Appendix B

Air Quality and Health Risk Assessment
MIG, Inc.

Oasis at Indio Specific Plan

Air Quality and Health Risk Assessment Report

December 4, 2023

CEQA Lead Agency:

City of Indio
Planning Department
100 Civic Center Drive
Indio, CA 92201

Project Applicant:

BH Properties
11111 Santa Monica Boulevard, Suite 600
Los Angeles, CA 90025

Prepared by:

1650 Spruce Street, Suite 106
Riverside, California 92507

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List of Acronyms, Abbreviations, and Symbols	
Acronym / Abbreviation	**Full Phrase or Description**
AB	Assembly Bill
ACC	Advanced Clean Cars
APN	Assessor Parcel Number
AQ	Air Quality
AQMP	Air Quality Management Plan
AREA	Area Source
ARLN	Area Line Source
CAA	Clean Air Act
Cal-EPA	California Environmental Protection Agency
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
CARB	California Air Resources Board
CAFE	Corporate Average Fuel Economy
CCR	California Code of Regulations
CEQA	California Environmental Quality Act
CO	Carbon Monoxide
CVSIP	Coachella Valley PM_{10} State Implementation Plan
DPM	Diesel Particulate Matter
ETC	Employee Transportation Coordinator
GHG	Greenhouse Gas(es)
GVWR	Gross Vehicle Weight Rating
H_2S	Hydrogen Sulfide
HAP	Hazardous Air Pollutants
HI	Hazard Index
HHDT	Heavy Heavy-Duty Truck
HR	Hour
HRA	Health Risk Assessment
KBtu	Thousand British Thermal Units
lb/day	Pounds per Day
LDA	Light Duty Auto
LDT	Light Duty Truck
LHDT	Light Heavy-Duty Truck
LST	Localized Significance Threshold

List of Acronyms, Abbreviations, and Symbols	
Acronym / Abbreviation	**Full Phrase or Description**
m^3	Cubic Meter
MATES V	Multiple Air Toxics Exposure Study in the South Coast Air Basin
MEIR	Maximally Exposed Individual Resident
MG	Milligrams
MHDT	Medium Heavy-Duty Truck
MPO	Metropolitan Planning Organization
NAAQS	National Ambient Air Quality Standards
NHTSA	National Highway Transportation and Safety Administration
NO	Nitric Oxide
NOx	Oxides of Nitrogen
O_3	Ozone
OEHHA	Office of Environmental Health Hazard Assessment
PPB	Parts Per Billion
PPM	Parts Per Million
PM	Particulate Matter
$PM_{2.5}$	Fine Particulate Matter
PM_{10}	Coarse Particulate Matter
PMI	Point of Maximum Impact
PRC	Public Resources Code
ROG	Reactive Organic Gases
ROW	Right of Way
RTP	Regional Transportation Plan
SB	Senate Bill
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCS	Sustainable Communities Strategy
SIP	State Implementation Plan
SO_2	Sulfur Dioxide
SO_x	Sulfates
SRA	Source Receptor Area
SSAB	Salton Sea Air Basin
TAC	Toxic Air Contaminants
TIA	Transportation Impact Analysis

List of Acronyms, Abbreviations, and Symbols	
Acronym / Abbreviation	**Full Phrase or Description**
TMA	Transportation Management Agency
TMO	Transportation Management Organization
U.S.	United States
U.S. EPA	United States Environmental Protection Agency
VMT	Vehicle Miles Travelled
VOC	Volatile Organic Compounds
VOL	Volume Source
µg	Micrograms
§	Section
° F	Degrees Fahrenheit

EXECUTIVE SUMMARY

This Air Quality and Health Risk Assessment Report (Report) evaluates and documents the potential air quality and health risk impacts associated with the construction and operation of the proposed Oasis at Indio Specific Plan (proposed Project), a new specific plan that would guide land use and development decisions for an approximately 183-acre area in the north-central part of the city of Indio, in the Coachella Valley region of Riverside County, California. If approved, the proposed Project would support the sustainable development of both residential and non-residential land uses.

This Report is consistent with the guidance and recommendations contained in the South Coast Air Quality Management District's (SCAQMD) California Environmental Quality Act (CEQA) Air Quality Handbook, as amended and supplemented. This Report is intended to assist the CEQA Lead Agency (the city of Indio) with its review of potential Project-related air quality and health risk impacts in compliance with the State CEQA Statutes and Guidelines, particularly in respect to the air quality issues identified in Appendix G of the State CEQA Guidelines.

S.1 PROPOSED PROJECT DESCRIPTION

The proposed Project would be located between Avenue 42 and Interstate 10 (I-10), in the north-central part of the city of Indio. The Project area is an approximately 183-acre, irregularly shaped, undeveloped area generally surrounded by a mix of agricultural, commercial, undeveloped, and residential land uses. There are no schools within ¼ mile of the proposed Project area.

The proposed Project includes two primary land use districts in four planning areas (PA). A Mixed-Use District would permit multi-family residential uses (20 to 50 dwelling units (DU) per acre) and a variety of commercial non-residential uses (up to 0.50 floor to area ratio, or FAR), including lodging (i.e., a hotel or motel), in PA 1, PA 2, and PA 3. An Industrial District would allow a variety of light-industrial land uses (up to 0.60 FAR) in PA 4. The proposed Project would also set aside land for public right-of-way (ROW) dedication and internal circulation needs.

For analysis purposes, two possible development patterns have been developed each of which are consistent with the Specific Plan. Both development patterns are conceptual in nature and are not necessarily indicative of the Project's actual final development pattern. Nonetheless, these two development patterns, referred to as the Maximum Buildout Scenario and Scenario 2, help contextualize, describe, and assess potential impacts that could be associated with future development in the Project area. Both land use options are consistent with the proposed Project's maximum allowable development density and other applicable standards. The Maximum Buildout Scenario and Scenario 2 would result in the same amount of industrial non-residential development in PA 4 (1,806,290 square feet), as well as the same amount of acreage allocated for public ROW and internal circulation needs. The primary difference between the two options is the amount of residential and commercial development. Whereas the Maximum Buildout Scenario assumes maximum residential development in PA 1, PA 2, and PA 3, resulting in 3,240 dwelling units and 20,000 square feet of commercial non-residential space, Scenario 2 assumes less residential development and more non-residential development in PA 1, PA 2, and PA 3, resulting in 1,237 dwelling units, 71,600 square feet of commercial non-residential space, and a 128-key hotel or motel development. The proposed Project is anticipated to be fully developed by 2033.

S.2 POTENTIAL REGIONAL CONSTRUCTION AIR QUALITY IMPACTS

The proposed Project's construction emissions were estimated using the California Emissions Estimator Model (CalEEMod), Version 2022.1.1.20, and other SCAQMD-recommended methods. CalEEMod is a computer program recommended for use by the SCAQMD for use in preparing emission estimates for land use and development projects. The modeling indicates the proposed Project would have the potential to generate daily construction emissions that could exceed the SCAQMD's recommended regional emissions thresholds for volatile organic compounds (VOCs) and oxides of nitrogen (NO_X), both of which are ozone precursor emissions. This is considered a potentially significant impact. To reduce the proposed Project's regional construction emissions levels, MIG recommends the proposed Project incorporate Mitigation Measures AIR-1 (Reduce Construction VOC Emissions) and AIR-2 (Reduce Construction NOx and DPM Emissions) into all future development projects in the Project area. These measures require the use of SCAQMD "super compliant" coatings with a VOC content of 10 grams per liter (g/l) or less and the implementation of emission control measures that reduce construction NOx and diesel particulate matter (DPM) emissions, including the use of construction equipment that meets Tier IV exhaust emissions standards. The implementation of these mitigation measures would reduce the Project's maximum daily regional construction emissions for all pollutants except VOCs. Thus, the proposed Project could result in construction emissions that exceed the SCAQMD's regional construction emissions thresholds for VOC emissions even with the implementation of feasible mitigation measures. This is considered a **significant and unavoidable impact.**

S.3 POTENTIAL REGIONAL OPERATIONAL AIR QUALITY IMPACTS

The proposed Project's operational emissions were estimated using the California Emissions Estimator Model (CalEEMod), Version 2022.1.1.20, and other SCAQMD-recommended methods. The modeling indicates the proposed Project would have the potential to generate daily operational emissions that could exceed the SCAQMD's recommended regional emissions thresholds for VOCs, NO_X, carbon monoxide (CO), respirable particulate matter (PM_{10}), and fine particulate matter ($PM_{2.5}$). This is considered a potentially significant impact. To reduce the proposed Project's regional operations emissions levels, MIG recommends the proposed Project incorporate Mitigation Measures AIR-3 (Reduce Landscaping Equipment Emissions), , AIR-4 (Reduce Residential Vehicle Trip Emissions), AIR-5 (Reduce Commercial and Industrial Light-Duty Vehicle Trip Emissions), AIR-6 (Reduce Commercial and Industrial Truck Trip Emissions), AIR-7 (Reduce Commercial and Industrial Yard Equipment Emissions). The implementation of these measures would reduce emissions of VOCs, CO, NO_X, PM_{10}, and $PM_{2.5}$, but not to levels that are below the SCAQMD's regional pollutant thresholds. Thus, the proposed Project could result in construction emissions that exceed the SCAQMD's regional construction emissions thresholds for VOCs, CO, NO_X, PM_{10}, and $PM_{2.5}$ even with the implementation of feasible mitigation measures. This is considered a **significant and unavoidable impact.**

S.4 POTENTIAL OFF-SITE LOCALIZED AIR QUALITY IMPACTS

The proposed Project's construction and operational emissions were evaluated for potential off-site localized significance threshold (LST) impacts in accordance with the SCAQMD's LST methodology. The closest existing off-site residential receptors in the vicinity of the proposed Project are the residences on Avenida Celaya in the Sun City Shadow Hills Neighborhood. The rear yards of these properties are located at least 650 feet north of the Project's area. The construction and operational LST emissions analysis indicates the proposed Project's unmitigated emissions levels would not exceed SCAQMD construction or operational LST thresholds at off-site receptor locations. This impact would be **less than significant.**

S.5 POTENTIAL OFF-SITE HEALTH RISK IMPACTS

A health risk assessment (HRA) was prepared to evaluate potential cancerogenic and non-cancerogenic health effects that could result from receptor exposure to toxic air contaminants (TAC) that could be generated by the proposed Project, including construction-related diesel particulate matter (DPM), operational-related DPM, and operational fugitive TAC emissions from gasoline fueling station operations. The HRA was prepared in accordance with applicable guidelines from the California Office of Environmental Health Hazard Assessment (OEHHA) and the SCAQMD; the U.S. Environmental Protection Agency (U.S. EPA)- and SCAQMD-approved American Meteorological Society/Environmental Protection Agency Regulatory Model (AERMOD) was used to predict ground-level DPM concentrations at existing off-site sensitive receptor locations, the closest of which is located at least 650 feet north of the Project area. The proposed Project's maximum unmitigated excess carcinogenic health risk at off-site receptors was estimated to be 9.2 per million population for the Maximum Buildout Scenario and 8.0 per million population for Scenario 2. These unmitigated carcinogenic risk estimates do not exceed the SCAQMD's excess carcinogenic risk threshold of 10 in one million. The proposed Project's maximum annual average DPM concentration under any modeled construction or operational scenario would be 0.03909 micrograms per cubic meter ($\mu g/m^3$). Based on the chronic inhalation reference exposure level for DPM (5 $\mu g/m^3$), the calculated chronic hazard quotient during maximum DPM exposure would be 0.008, which is below the SCAQMD's non-cancer hazard index threshold value of 1.0. It is noted that the mitigation measures identified for the Project to reduce regional air quality impacts would also reduce DPM emissions from Project construction and operational activities and thus lower the Project's unmitigated risks at off-site receptor locations. The proposed Project would not generate pollutant concentrations that could result in adverse health risks at off-site receptor locations. Therefore, this impact would be **less than significant**.

S.6 POTENTIAL ON-SITE LOCALIZED AIR QUALITY IMPACTS

The proposed Project's construction and operational emissions were also evaluated for potential localized significance threshold (LST) impacts to future on-site receptors inside the Project area. The construction and operational LST emissions analysis indicates the proposed Project's would not exceed SCAQMD construction or operational LST thresholds at on-site receptor locations. This impact would be **less than significant.**

S.7 POTENTIAL ON-SITE HEALTH RISK IMPACTS

An HRA was also prepared to evaluate potential cancerogenic and non-cancerogenic health effects that could result from future on-site receptor exposure to TACs that could be generated by the proposed Project, including construction-related DPM, operational-related DPM, and operational fugitive TAC emissions from gasoline fueling station operations. Due to the proximity of proximity of on-site receptors to potential construction and operational activities and the magnitude of the proposed Project's DPM emissions levels, the proposed Project's would have the potential to result in pollutant concentrations at on-site receptors that could exceed SCAQMD carcinogenic risk thresholds. This is considered a potentially significant impact. The mitigation measures identified for the Project to reduce regional air quality impacts would also reduce DPM emissions from Project construction and operational activities. Specifically, Mitigation Measures AIR-2 (Reduce Construction NOx and DPM Emissions) and Mitigation Measure AIR-8 (Reduce Commercial and Industrial Yard Equipment Emissions) would reduce construction and yard equipment exhaust DPM emissions. With mitigation, the results of the modeling indicate the proposed Project's maximum on-site excess cancer risk would be 4.4 per million population under the

Maximum Buildout Scenario and 6.5 per million population under Scenario 2. These mitigated risk values would not exceed the SCAQMD's carcinogenic risk threshold of 10 per million population. The proposed Project's maximum annual average DPM concentration under any modeled construction or operational scenario would be 0.14775 micrograms per cubic meter (µg/m^3), which results in a chronic hazard quotient of 0.030, less than the SCAQMD's non-cancer hazard index threshold value of 1.0. The proposed Project's mitigated health risk values would not exceed the SCAQMD's risks thresholds. There, this impact would be l**ess than significant with mitigation**.

S.8 CO HOT SPOTS AND OTHER POLLUTANT CONCENTRATIONS

The proposed Project would not have the potential to generate peak or daily traffic volumes that exceed historically modeled traffic volumes determined by the SCAQMD to result in less than significant CO concentrations. In addition, the proposed Project's emissions of criteria air pollutants (e.g., ozone precursors, CO, PM_{10}, etc.) is capable of causing adverse health effects on heart, lung, and other organ systems; however, it is speculative to transform the Project's mass increase in criteria air pollutant emissions into quantifiable health risks for several specific reasons, including the uncertain location of emission points, emissions release characteristics, the meteorology and topography of the area in which emissions are released, (which could affect the transport rate and photochemical reactions needed to produce ozone), background criteria air pollutant emissions in the future, and the location of receptors in relation to emission sources. The proposed Project's operational emissions are far less than that modeled by the SCAQMD for its 2012 AQMP, which showed a relatively minor increase in criteria air pollutant concentrations for a large mass amount of emissions and would not substantially alter criteria air pollutant concentrations within the SSAB. Furthermore, the majority of the emissions generated by the proposed Project would come from gasoline-powered mobile sources, which are transient in nature and emit air pollutants over a large geographic area. For these reasons, implementation of the proposed Project would not exacerbate or contribute to significant health risks at or in proximity of the Project area, nor would it increase the number of state or national ambient air quality standard exceedances). This impact would be **less than significant.**

S.9 ODORS

The proposed Project would involve the construction and operation of residential commercial, and industrial projects that could result in odors from volatile or odorous compounds associated with construction materials (e.g., asphalt), vehicle operations (e.g., lubricants and fuel), and commercial and industrial land uses (e.g., restaurants, yard equipment). These sources would not generate odors that are unusual or unique in the Project area or intense and sustained over long time periods. Therefore, the proposed Project would not result in the creation of objectionable odors that would affect a substantial number of people. **This impact would be less than significant.**

S.10 RECOMMENDED MITIGATION MEASURES

The following mitigation measures are recommended to reduce the proposed Project's regional emissions of VOCs, NOx, CO, PM_{10}, $PM_{2.5}$:

> **Mitigation Measure AIR-1: Reduce Construction VOC Emissions.** To reduce potential construction-related emissions of volatile organic compounds (VOCs), the Applicant shall require all future development projects in the Project area to implement the following measures:

1) Use architectural coatings that meet the South Coast Air Quality Management District's (SCAQMD) "Super Compliant" VOC standard of 10 grams/liter or less for all interior and exterior primer, sealer, paint, and other coating applications for which a super compliant product is commercially available.
2) Keep all coating containers closed when not in use to prevent VOC emissions.
3) Keep all paint and solvent laden rags and other materials in sealed containers to prevent VOC emissions.
4) Clean up water-based paints with water only and when possible do not rinse clean-up water down the drain, onto the ground, or into a storm drain.
5) Use SCAQMD compliant Clean Air Solvents to clean paint application equipment.
6) Recycle leftover paint.

Mitigation Measure AIR-2: Reduce Construction NOx and PM Exhaust Emissions. To reduce potential construction-related exhaust emissions of oxides of nitrogen (NOx) and particulate matter (PM), including diesel particulate matter (DPM), the Applicant shall require all future development projects in the Project area to implement the following measures:

1) Connect to existing electrical service to power construction trailers and stationary and portable equipment (e.g., pumps, generators, compressors, and welding sets). This measure shall be subject to the approval of the local electric utility. If it is not feasible to connect to electrical service and/or extend electrical service to all work sites, biodiesel (no more than B20 blend), renewable diesel, or propane shall be used to power stationary and portable equipment provided the use of such fuels is allowed pursuant to manufacturer's specifications. The use of stationary or portable standard diesel-fueled equipment shall be prohibited in the Project area unless electrical service is denied, alternative fuels are not permitted by the manufacture for the specific equipment in use, and there are no alternative equipment types capable of being powered by alternative fuels that can be used instead of the standard diesel-fueled equipment.
2) All construction equipment with a rated power-output of 50 horsepower or greater shall meet Tier IV Final emissions standards for NO_X and PM_{10}. This may be achieved via the use of equipment with engines that have been certified to meet Tier IV emission standards, or by equipment that has been retrofitted with CARB-verified diesel emissions control strategies capable of reducing exhaust NO_X and PM_{10} emissions to levels that meet Tier IV standards. Compliance with this requirement may be demonstrated on a fleet-average basis for the specific pieces of construction equipment that would operate in the Project area.
3) Limit idling of diesel-powered construction equipment, vendor delivery trucks, and hauling trucks to no more than two minutes unless manufacturer's specifications specifically require main engine idling is necessary to maintain equipment in good working order.

Mitigation Measure AIR-3: Reduce Landscaping Equipment Emissions. To reduce potential air pollutant emissions from small off-road equipment less than 25 horsepower that could be used for landscaping activities in the Project area, the Applicant shall require all future development projects in the Project area to implement the following measures:

1) Residential Projects (including the residential component of mixed-use projects): Provide property managers and the owner/occupants of individual dwelling units with information on the South Coast Air Quality Management District's (SCAQMD) Residential Electric Lawn Mower Rebate Program, such as the SCAQMD program website or handouts summarizing program details, frequently asked questions, etc. This information may be provided as part of real-estate

and lease transactions or as posted bulletin/informational items in leasing offices, community rooms, etc. associated with individual developments.

2) Commercial and Industrial Projects (including the commercial component of mixed-use projects): Provide property managers and owner/occupants of individual building units with information on the SCAQMD Commercial Electric Lawn and Garden Equipment Incentive Exchange Program, such as the SCAQMD program website or handouts summarizing program details, frequently asked questions, etc. This information shall be provided as part of real-estate and lease transactions.

Mitigation Measure AIR-4: Reduce Residential Vehicle Trip Emissions. To reduce potential residential vehicle trip emissions, tall future residential development in the Project area, including the residential component of mixed-use development, shall implement the following measures:

1) Electric Vehicle (EV) Charging: Require residential projects to comply with the voluntary Tier 1 charging provisions for new construction contained in the version of the California Green Building Code (CalGreen Code) that is in effect at the time of building permit approval, unless the City has adopted local requirements that are more stringent than the CalGreen Code. As of January 1, 2023, the 2022 CalGreen Code includes the following voluntary Tier 1 provisions for EV charging in new multi-family development projects (CalGreen Code Section A104.6.8.2.1):

    a) EV Ready. 35% of the total number of parking spaces shall be equipped with low power Level 2 EV charging receptacles. For multifamily parking facilities, nor more than one receptacle is required per dwelling unit when more than one parking space is provided for use by a single dwelling unit. This Tier 1 provision does not apply in areas of parking facilities served by parking lifts.

    b) EV Chargers for Projects with 20 or more dwelling units. 10% of the total number of parking spaces shall be equipped with Level 2 electric vehicle service equipment (EVSE). Where common use parking is provided, at least one EV charger shall be located in the common use parking area and shall be available for use by all residents.

2) Bicycle Parking: Require residential projects to comply with the voluntary bicycle parking provisions contained in the version of the CalGreen Code that is in effect at the time of building permit approval, unless the City has adopted local requirements that are more stringent than the CalGreen Code. As of January 1, 2023, the 2022 CalGreen Code includes the following voluntary provisions for bicycle parking (CalGreen Code Section A4.106.9 et. seq.):

    a) Short-term Bicycle Parking (CalGreen Code Section A4.106.9.1): Provide permanently anchored bicycle racks within 100 feet of the visitor's entrance, readily visible to passers-by, for 5% of visitor motorized vehicle parking capacity with a minimum of one two-bike capacity rack.

    b) Long-term Bicycle Parking for Multi-family Buildings (CalGreen Code Section A4.106.9.2): Provide on-site bicycle parking for at least one bicycle per every two dwelling units. Acceptable parking facilities shall be conveniently reached from the street and may include, but not be limited to: 1) covered, lockable enclosures with permanently anchored racks for bicycles; 2) Lockable bicycle rooms with permanently anchored racks; or 3) Lockable, permanently anchored bicycle lockers.

Mitigation Measure AIR-5: Reduce Commercial and Industrial Light-duty Vehicle Trip Emissions. To reduce potential non-residential commercial and industrial light duty vehicle trip emissions (i.e., passenger cars and pick-up trucks with a gross vehicle weight rating of 8.500 pounds or less), the Applicant shall require all future non-residential development in the Project area, including the commercial component of mixed-use developments, to implement the following measures:

1) Require non-residential projects, excluding hotel/motel, to comply with the voluntary Tier 1 electric vehicle (EV) charging provisions for new construction and the voluntary bicycle accommodation provisions contained in the version of the California Green Building Code (CalGreen Code) that is in effect at the time of building permit approval, unless the City has adopted local requirements that are more stringent than the CalGreen Code. As of January 1, 2023, the 2022 CalGreen Code includes the following voluntary provisions for EV charging and bicycle accommodations in non-residential projects:
    a) EV Charging Tier 1 Provisions (CalGreen Code Section A5.106.5.3): The number of EV capable spaces and spaces with electric vehicle supply equipment (EVSE shall be determined based on the total number of actual parking spaces as set forth in CalGreen Code Table A5.106.5.3.1 (Tier 1).
    b) Bicycle Accommodation Provisions (CalGreen Code Section A5.106.4.3): The number of shower/changing facilities and personal effects lockers to be provided in buildings with over 10 tenant-occupants shall be determined based on the total number of tenant-occupants as set forth in CalGreen Code Table A5.106.4.3:
2) Require hotel/motel projects to comply with the voluntary Tier 1 electric vehicle (EV) charging provisions for new construction and the voluntary long-term bicycle parking provisions contained in the version of the California Green Building Code (CalGreen Code) that is in effect at the time of building permit approval, unless the City has adopted local requirements that are more stringent than the CalGreen Code. As of January 1, 2023, the 2022 CalGreen Code includes the following voluntary provisions for EV charging and bicycle parking in hotel and motel buildings:
    a) EV Charging Tier 1 Provisions (CalGreen Code Section A6.108.2.1): See Mitigation Measure AQ-4, Section 2.
    b) Long-term Bicycle Parking Provisions (CalGreen Code Section A4.106.9.3): Provide one on-site bicycle parking space for every 25,000 square feet, but not less than two. Acceptable parking facilities shall be conveniently reached from the street and may include, but not be limited to: 1) covered, lockable enclosures with permanently anchored racks for bicycles; 2) Lockable bicycle rooms with permanently anchored racks; or 3) Lockable, permanently anchored bicycle lockers:

Mitigation Measure AIR-6: Reduce Commercial and Industrial Truck Trip Emissions. To reduce potential commercial and industrial truck trip emissions (i.e., light-heavy, medium-heavy, and heavy-heavy duty trucks with a gross vehicle weight of 8,501 pounds or greater) and promote the use of near-zero emission (NZE) and zero emission (ZE) trucks, all future commercial and industrial development in the Project area shall implement the following measures:

1) Electrical System Design: The electrical system shall be designed and constructed to provide the infrastructure necessary to supply power for future NZE and ZE trucks accessing loading

docks and bays, including trucks with transport refrigeration units (TRUs), such as spare raceways or busways, adequate transformer capacity, main service equipment and subpanels, etc. Raceways or busways shall originate at a main service panel serving the loading area and terminate close to the future location of truck charging equipment.

2) TRU Restrictions: The use of diesel fueled TRUs shall be prohibited. All trucks entering a project site shall include TRUs that can be powered by electricity.

3) Idling Signage: Signs shall be posted at all truck access gates and loading dock areas reminding drivers of idling limitations. The signs shall be clearly visible, readable at a distance of 10 feet, and notify truck drivers that:

   a) The vehicle's primary diesel engine shall be turned off when not in use.

   b) The vehicle's primary diesel engine shall not idle for more than 5 consecutive minutes at any location pursuant to Title 13 of the California Code of Regulations, Section 2485.

   c) The vehicle's diesel-fueled auxiliary power systems shall not operate for more than 5 minutes at any location within 100 feet of housing units, hotels, motels, and other pursuant to Title 13 of the California Code of Regulations, Section 2485.

Mitigation Measure AIR-7: Reduce Commercial and Industrial Yard Equipment Emissions. To reduce potential emissions from commercial and industrial yard equipment, including but not limited to yard trucks, hostlers, forklifts, and pallet jacks, (e.g., forklifts, yard hostlers, etc.), the Applicant shall require all future commercial and industrial yard equipment operated in the Project area to be zero-emission (ZE) equipment.

1 INTRODUCTION

BH Properties Inc., (the Applicant) has submitted the proposed Oasis at Indio Specific Plan (proposed Project) to the city of Indio for review and approval. This new specific plan would guide land use and development decisions for an approximately 183-acre area in the north-central part of the city and, if approved, would support the sustainable development of both residential and non-residential land uses.

MIG, Inc. (MIG) has prepared this Air Quality and Health Risk Assessment Report (Report) to evaluate the potential construction- and operations-related air quality and health risk impacts of the proposed Project. MIG has prepared this Report using project-specific information contained in the specific plan, as well as supplemental materials prepared in support of the specific plan (e.g., site plans, transportation study, etc.).

This Report is intended for use by the City to assess the potential air quality impacts of the proposed Project in compliance with the California Environmental Quality Act (CEQA; Public Resources Code [PRC] Section 21000 et seq.) and the State CEQA Guidelines (Title 14 of the California Code of Regulations [CCR] Section 15000 et seq.), particularly in respect to the air quality issues identified in Appendix G of the State CEQA Guidelines.

1.1 REPORT ORGANIZATION

This Report is organized as follows:

- **Chapter 1, Introduction,** explains the contents of this Report and its intended use.
- **Chapter 2, Proposed Project Description**, provides an overview of the construction and operational activities associated with the proposed Project.
- **Chapter 3, Environmental and Regulatory Setting,** describes the existing air quality setting of the proposed Project and provides information on the federal, state, and local regulations that govern the Project's air quality setting and its potential air quality impacts.
- **Chapter 4, Air Quality Impact Analysis,** identifies the methods used to estimate the proposed Project's potential construction and operational air quality emissions, including a health risk assessment (HRA), and evaluates the Project's air quality impacts in accordance with Appendix G of the State CEQA Guidelines.
- **Chapter 5, Report Preparers and References,** list the individuals involved, and the references used, in the preparation of this Report.

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2 PROPOSED PROJECT DESCRIPTION

The proposed Project is a new specific plan that would establish land use plans, regulations, and design guidelines for the sustainable residential and non-residential development of an approximately 183-acre area in the north-central part of Indio, in the Coachella Valley area of Riverside County, California. The proposed Project characteristics that are relevant to the evaluation of potential air quality impacts are described in detail below.

2.1 PROJECT LOCATION

The proposed Project would be located between Avenue 42 and Interstate 10 (I-10), in the north-central part of Indio. The Project area is an approximately 183-acre, irregularly shaped, undeveloped area comprised of 7 parcels of land (Assessor's Parcel Numbers (APN) 610-020-001, -010, -012, -013, -021, -034 and -036). It is bound by Avenue 42 on the north, I-10 on the south, Monroe Street on the east, and the All-American Canal on the west. The Project area is, at closest, approximately 65 feet north of I-10.[1] The proposed Project area is shown in Figure 2-1.

Figure 2-1 Aerial View of the Project Area



[1] Unless otherwise indicated, reported distances are measured between the edge of the listed feature (e.g., road or rail right-of-way, land use property boundary, etc.) and the Project area's closest property line.

2.1.1 PROJECT AREA LAND USE AND ZONING

The Indio General Plan designates the proposed Project area as Mixed-Use Neighborhood (MUN) and Regional Commercial (RC) lands; the area is also within the General Plan's Avenue 42 Corridor subarea (City of Indio, 2023a). The Indio Zoning Map classifies the Project area as Specific Plan Mixed Use (MU-SP), MUN, and RC (City of Indio, 2023a). Approximately 80 acres of the western part of the Project area is within the existing Gateway Conceptual Specific Plan and designated for mixed-use development. Two master plans authorizing development of residential, recreation, commercial, and light industrial and business park uses have also been approved on the western part of the Project area; however, neither master plan was implemented. If approved, the proposed Project would result in the redesignation and reclassification of the Project area to Specific Plan.

2.1.2 SURROUNDING LAND USES

The proposed Project area is generally surrounded by agricultural land uses to the north (across Avenue 42), commercial uses to the east (across Monroe Street), the All-American Canal (connects to the Whitewater River storm channel) to the west, and I-10 to the south. The Sun City Shadow Hills and Palazzo residential neighborhoods are located approximately 650 feet and 1,300 feet north of Avenue 42, respectively. There are no schools within 1,000 feet of the Project area. The nearest schools are Richard Oliphant Elementary School, approximately 2,400 feet (0.45 miles) northeast of the Project area across Avenue 42 and Monroe Street, and Carillo Ranch Elementary School, approximately 2,500 feet south of the Project area across the I-10 and the Whitewater River channel.

2.2 EXISTING PROJECT AREA DESCRIPTION AND OPERATIONS

The Project area is mostly undeveloped with some existing vegetation. It contains a few remnants of former development/structures used for agricultural purposes, including several concrete pads in the north-central portion of the site and two agricultural standpipes in the northwest corner and central portion of the site. Aside from occasional disking and weed abatement, the site is anticipated to have no operational activities associated with it.

2.3 PROPOSED PROJECT CHARACTERISTICS

The proposed Project is a new specific plan that establishes land use and development regulations and implementation strategies to provide a balanced and sustainable residential and non-residential development with a range of employment-generating activities and medium to high-density residential uses that will complement surrounding neighborhoods, centers, and districts.

2.3.1 LAND USE PLAN

The proposed Project includes two primary land use districts in four planning areas (PA). A Mixed-Use District would permit multi-family residential uses (20 to 50 dwelling units (DU) per acre) and a variety of commercial non-residential uses (up to 0.50 floor to area ratio, or FAR), including lodging (i.e., a hotel or motel), in PA 1, PA 2, and PA 3. An Industrial District would allow a variety of light-industrial land uses (up to 0.60 FAR) in PA 4. The proposed Project would also dedicate land for public ROW, an Imperial Irrigation District (IID) substation, and internal circulation needs. A general description of the location and potential development that may occur in each PA is provided below.

- **PA 1:** This area would occupy most of the northern part of the Project area and allow mixed-use residential and commercial development. The northern part of PA 1 would border Avenue 42, while the southern part would include a 68-foot-wide landscape transition zone that

separates development in PA 1 from "A" street and the industrial development allowed in PA 4. The western extent of PA1 includes a buffer that prohibits development within 250 feet of the All-American Canal. PA 1 is anticipated to consist mostly or entirely of residential development because it is furthest from I-10 and Monroe Street.

- **PA 2:** This area would occupy the northeastern corner of the Project area, at the intersection of Avenue 42 and Monroe Street. While PA 2 would allow mixed-use residential and commercial development, its proximity and direct access to I-10 via Monroe Street make it more likely to attract commercial development.
- **PA 3:** This area would occupy the southeastern corner of the Project area. PA 3 would allow mixed-use residential and commercial development but, like PA 2, is more likely to attract commercial development due to its proximity to, and prominent visibility from, I-10. In addition, the hotel identified as part of Scenario 2 is envisioned to occur in PA 3.
- **PA 4:** This area would occupy most of the southern part of the Project area and allow industrial development, including a new IID electrical substation. The western extent of PA 4 includes a buffer that prohibits development within 250 feet of the All-American Canal.

The proposed Project's land use plan is summarized in Table 2-1 and shown in Figure 2-2.

Table 2-1: Proposed Project Land Use Plan Summary

Land Use and PA	Development Acreage (Approximately)	Maximum Development Intensity	
		Multi-Family Residential	Non-Residential
Mixed Use District (Residential and Commercial)			
PA 1	61.9	20 – 50 DU/acre	0.50 FAR
PA 2	4.2		
PA 3	9.4		
Subtotal	75.5		
Industrial District			
PA 4	92.8	Not allowed	0.60 FAR
Other Dedications			
Public ROW	1.8	Not applicable	Not applicable
IID Substation	2.4		
"A" Street	10.4		
Subtotal	14.6		
Total	182.9	--	--

Source: City of Indio, 2023b, Table 2-1

Figure 2-2: Proposed Project Land Use Plan



Source: City of Indio, 2023b, Figure 2-1

2.3.2 DEVELOPMENT CAPACITY

As shown in Table 2-1, the proposed Project establishes a range of development densities for the proposed Mixed Use and Industrial Districts; however, the proposed Project is a programmatic guide to land use and development in the Project area that is intended to be flexible and responsive to market conditions. For this reason, two possible development patterns were developed for the Project for the purposes of evaluating the Project's potential environmental effects. Both development patterns are conceptual in nature and are not indicative of the Project's actual final development pattern. Nonetheless, these two development patterns, referred to as the Maximum Buildout Scenario and Scenario 2, help contextualize, describe, and assess potential impacts that could be associated with future development in the Project area.

- **Maximum Buildout Scenario.** This development option maximizes residential development in PA 1, PA 2, and PA 3. Given the proposed allowable development density for residential land uses (20 to 50 DU/acre), this option is considered the most intensive development scenario that could occur in the Project area. It is also reflective of the specific plan development maximums, which represent the most intensive development that could occur within the Project area.
- **Scenario 2.** This development option assumes less residential development and greater commercial development in PA 2 and PA 3, consistent with the equivalency factors outlined in Chapter 5 of the specific plan. Although this option increases commercial development, it would result in much less total residential development and is therefore considered less intensive than the Maximum Buildout Scenario. Scenario 2 is illustrative of a development scenario that could occur consistent with the specific plan development standards.

Both possible development patterns are consistent with the proposed Project's maximum allowable development density and other applicable standards. The proposed Project's assumed development capacities for the Maximum Buildout Scenario and Scenario 2 are summarized in Table 2-2 and Table 2-3.

Table 2-2: Maximum Buildout Scenario Development Capacity

Land Use District	PA	Acreage (Approximately)	Development Capacity	
			Multi-Family Residential	Non-Residential
Mixed-Use	1	61.9	3,240 DU	20,000 SF
Mixed-Use	2	4.2		
Mixed-Use	3	9.4		
Industrial	4	92.8	Not allowed	1,806,290 SF
Public ROW	N/A	1.8	N/A	
IID Substation	N/A	2.4	N/A	
Interior ROW	N/A	10.4	N/A	
Total	**N/A**	**182.9**	**3,240 DU**	**1,826,290 SF**

Source: City of Indio, 2023b, Table 2-2

Table 2-3: Scenario 2 Development Capacity					
Land Use District	**PA**	**Acreage (Approximately)**	**Development Capacity**		
			Multi-Family Residential	**Non-Residential**	
Mixed-Use	1	61.9	1,237 DU	71,600 SF	128 Key Hotel/Motel
Mixed-Use	2	4.2			
Mixed-Use	3	9.4			
Industrial	4	92.8	Not allowed	1,806,290 SF	Not allowed
Public ROW	N/A	1.8	N/A		
IID Substation	N/A	2.4	N/A		
Interior ROW	N/A	10.4	N/A		
Total	**N/A**	**182.9**	**1,237 DU**	**1,877,890 SF**	**128 Keys**
Source: City of Indio, 2023b, Table 2-3					

As shown in Table 2-2 and Table 2-3, both development patterns would result in the same amount of industrial development in PA 4 (1,806,290 square feet, or SF), as well as the same amount of acreage allocated for public ROW, IID substation, and internal circulation needs (i.e., "A" Street). The primary difference between the two patterns is the amount of residential and commercial development. Whereas the Maximum Buildout Scenario assumes development in PA 1, PA 2, and PA 3, up to the specific plan maximum of 3,240 DUs and 20,000 SF of commercial non-residential space, Scenario 2 assumes greater commercial development and lesser residential development in PA 1, PA 2, and PA 3, resulting in 1,237 DUs, 71,600 SF of commercial non-residential space, and a 128-key hotel or motel development.

2.3.3 CONCEPTUAL SITE PLANS

Conceptual site plans were developed for the Maximum Buildout Scenario and Scenario 2 for the purposes of characterizing and evaluating the proposed Project's potential environmental effects. The conceptual site plan and associated development assumptions for the Maximum Buildout Scenario are shown in Figure 2-3, while the conceptual site plan and associated development assumptions for Scenario 2 are shown in Figure 2-4. It is noted that the site plans shown on Figure 2-3 and Figure 2-4 are conceptual only and exemplify possible layouts consistent with the proposed Project's development intensities and potential development capacities. Likewise, the specific development assumptions associated with each site plan were only used to characterize and evaluate the Project's potential environmental effects. The actual layout, orientation, type, and amount of residential and non-residential development that could occur in the Project area would be subject to market conditions.

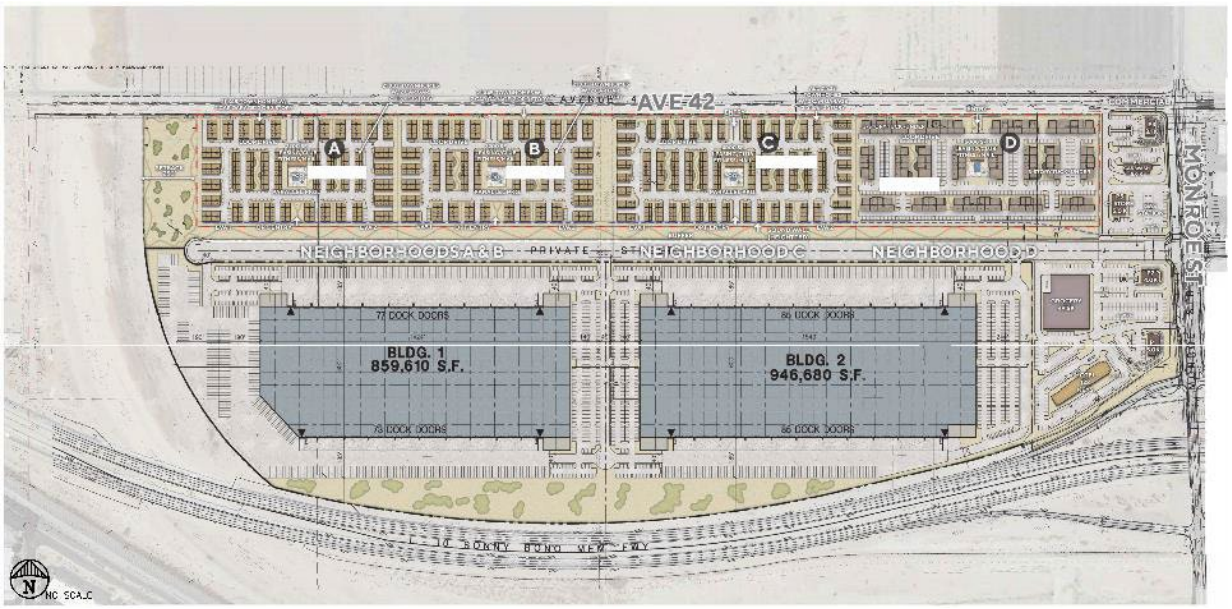
Figure 2-3: Maximum Buildout Scenario Conceptual Site Plan and Development Assumptions



Land Use District, PA, and Development Type	Development Assumption	
	Residential	Non-Residential
Mixed-Use District – PA 1, PA 2, and PA 3		
Low-rise Multi-Family Housing	3,240 DU	-
Strip Retail	-	20,000 SF
Industrial District – PA 4		
High Cube Fulfillment Center Warehouse Building 1 (Non-Sort)	-	859,610 SF
High Cube Fulfillment Center Warehouse Building 2 (Sort)	-	946,680 SF
Total Development	**3,240 DU**	**1,826,290 SF**

Source: MSA Consulting, 2023a and LLG, 2023a

Figure 2-4: Scenario 2 Conceptual Site Plan and Development Assumptions



Land Use District, PA, and Development Type	Development Assumption	
	Residential	Non-Residential
Mixed-Use District – PA 1		
Low-rise Multi-Family Housing	1,237 DU	-
Mixed-Use District – PA 2		
Fast Food Restaurant (with Drive Thru)	-	3,100 SF
Gasoline Service Station (with Convenience Store)	-	5,000 SF
Automated Car Wash	-	5,000 SF
Mixed-Use District – PA 3		
Fast Food Restaurant (with Drive Thru)	-	9,000 SF
Supermarket	-	49,500 SF
Hotel	-	128 Keys
Industrial District – PA 4		
High Cube Fulfillment Center Warehouse Building 1 (Non-Sort)	-	859,610 SF
High Cube Fulfillment Center Warehouse Building 2 (Sort)	-	946,680 SF
Total Development	**1,237 DU**	**1,877,890 SF**
		128 Keys

Source: MSA Consulting, 2023a and LLG, 2023a

2.3.4 ACCESS, CIRCULATION, AND PARKING

The proposed Project includes a circulation plan to provide direct, safe, and convenient vehicular and non-vehicular access for residents, visitors, and employes travelling to, from, and through the Project area. The circulation plan was prepared in accordance with the results of a comprehensive traffic analysis that recommended roadway segment and intersection improvements to necessary to support the proposed Project (LLG, 2023). Although specific access points and internal connection and circulation routes could vary depending on whether the Project area is developed according to the Maximum Buildout Scenario, Scenario 2, or in a manner that is between these options, access to and circulation within the Project area would primarily be provided via I-10, Monroe Street, Avenue 42, development of the Clinton Street ROW, and a newly constructed private road, "A" Street (see Figure 2-1 and Figure 2-2).

- **I-10** provides regional access to the site with ramps that connect to Monroe Street and other roads to the north and south of the Project area. The California Department of Transportation (Caltrans) plans to improve the Monroe Street I-10 westbound on-ramp which will require a portion of the land along the southeastern corner of the Project area, in PA 3, and result in the widening of Monroe Street south of the Showcase Parkway intersection. The proposed Project would not affect Caltrans' planned improvements to this I-10 on-ramp.
- **Monroe Street** forms the eastern boundary of the Project area. It connects to I-10, Showcase Parkway, and Avenue 42 and is a designated truck route. Monroe Street would provide direct access to PA 2 and PA 3 via new private driveways or development roads. It would also connect to the proposed new "A" Street that would run east-west across the Project area.
- **Avenue 42** forms the northern boundary of the Project area. It connects to Monroe Street on the east and Madison Street on the west and is also a designated truck route. Avenue 42 would provide direct access to PA 1 via new private driveways or development roads.
- **"A" Street** would run east-west across the site and separate PA 1 and PA 2 from PA 3 and PA 4. It would connect to Monroe Street opposite Showcase Parkway. "A" Street would provide primary access to PA 2, PA 3, and PA 4 and secondary access to PA 1 via new private driveways or development roads. Driveways and roads on the north side of A Street, which would provide access to PA 1 and PA 2. Driveways and internal circulation routes on the south side of A Street would provide access to PA 3 and PA 4 and would be restricted to left-in/right out turning movements only. These restrictions would safely direct residential trips to Avenue 42 and provide commercial and industrial trucks a direct route to and from I-10 via Monroe Street, thereby limiting truck traffic on Avenue 42.

As development proceeds, the proposed Project would make improvements to Monroe Street and Avenue 42 that are consistent with improvements identified in the City's General Plan Mobility Element. These improvements would include, but not be limited to, road widening, restriping, installation of sidewalks and bike lanes, and other mobility improvements.

Residential and commercial parking in PA 1, PA 2, and PA 3 would be provided for each individual future project in accordance with applicable development standards. Industrial parking in PA 4 would include truck, trailer, and employee vehicle parking areas around the perimeter of individual industrial buildings.

2.3.5 INRASTRUCTURE AND UTILITIES

The proposed Project would require the installation of water, sewer, electric, natural gas, drainage, and other utility infrastructure. These utilities would generally be extended onto the site from existing mains/services lines located under or along Monroe Street and Avenue 42. Within the Project area, utility mains would underly "A" Street, and other private roadways, with spurs provided to individual development projects as needed.

2.4 PROJECT OPERATIONS

The proposed Project's land use plan (see Section 2.3.1) would support residential and non-residential development and is anticipated to be fully developed by 2033. Although specific details about future individual development projects are uncertain, the proposed Project is anticipated to have the following key operational characteristics that are relevant to the evaluation of potential air quality impacts. These characteristics are based on the proposed Project's planning standards and the potential development patterns and conceptual site plans for the Maximum Buildout Scenario and Scenario 2.

- **Mixed-Use Commercial and Retail Hours of Operation:** The proposed Project includes a performance standard that limits the operation of commercial and retail uses in a mixed-used development in PA 1, PA 2, or PA 3 to the hours of 7 AM to 10 PM daily unless modified by an administrative or conditional use permit. This limitation does not apply to developments consisting solely of commercial or retail uses.
- **Industrial Hours of Operation:** The Industrial District could operate 24 hours per day, 7 days per week. For 24-hour operations, employee shift changes are assumed to occur in the morning (approximately 7 to 8 AM), afternoon (approximately 3 PM to 4 PM), and nighttime (approximately 11 PM to 12 AM), with most employees working a daytime shift.
- **Vehicle Trip Generation:** The proposed Project's trip generation potential, as estimated in the Traffic Impact Analysis (TIA) prepared for the Project, is summarized in Table 2-4 (Maximum Buildout Scenario) and Table 2-5 (Scenario 2; LLG, 2023a). The trip generation estimates presented in these tables are consistent with the land use and development assumptions shown in Figure 2-3 and Figure 2-4. Both land use options would result in the same amount of total daily industrial truck trips (1,720 gross daily truck trips); however, the Maximum Buildout Scenario would result in more total daily vehicle trips (31,505 net daily vehicle trips) than Scenario 2 (21,669 net daily vehicle trips).
- **Industrial Truck Trip Distribution:** The traffic analysis prepared for the proposed Project identifies that 10% of in- and out-bound industrial truck traffic would come from Monroe Street south of the I-10 while the remaining 90% of industrial truck traffic would come from the I-10 (45% in each direction). North of the Monroe Street/I-10 ramps, the traffic analysis assumes 100% of industrial truck traffic would use "A" Street to access the Project area (LLG, 2023a).
- **Yard Equipment:** The Project could include the operation of up to 217 electric-powered forklifts, pallet jacks, and other material handling equipment, as well as up to 8 yard hostlers. This estimate is based on the average equipment usage at high cube warehouses as determined via survey (SCAQMD, 2014). Forklifts and pallet jacks equipment would primarily operate inside of industrial buildings and at dock areas, while yard hostlers would operate in truck and trailer parking areas.

Table 2-4: Project Trip Generation Rates for the Maximum Buildout Scenario			
Land Use Type	**AM Peak Hour**	**PM Peak Hour**	**Daily Trips**
Residential			
Low-rise Multi Family	1,296	1,652	21,838
Retail			
Strip Retail	*47*	132	1,089
Pass-by Trips	*-5*	*-53*	*-109*
Retail Total	42	79	980
Industrial Building 1 – High Cube Fulfillment Center Warehouse (Non-Sort)			
Passenger Cars	129	138	1,410
Truck Trips			
2-axle	0	0	39
3-axle	0	0	69
4-axle	0	0	258
Truck Subtotal	0	0	366
Building 1 Total	129	138	1,776
Industrial Building 2 – High Cube Fulfillment Center Warehouse (Sort)			
Passenger Cars	805	1,127	5,557
Truck Trips			
2-axle	0	0	142
3-axle	19	0	246
4-axle	28	28	966
Truck Subtotal	47	28	1,354
Building 2 Total	852	710	6,911
Total Project Trips	**2,319**	**3,024**	**31,505**
Source: LLG, 2023a, Table 5-2			

Table 2-5: Project Trip Generation Rates for Scenario 2			
Vehicle Type	**AM Peak Hour**	**PM Peak Hour**	**Daily Trips**
Residential			
Low-rise Multi Family	495	631	8,337
Internal Capture	*-47*	*-204*	*-2,313*
Residential Total	448	427	6,024
Retail			
Fast Food Restaurant with Drive-Through	540	400	5,657
Supermarket	142	443	4,645
Hotel	59	76	1,023
Gas Station with Convenience Store	433	364	4,114
Car Wash	71	71	710
Retail Subtotal	1,245	1,354	16,149
Internal Capture	*-404*	*-525*	*-6,736*
Pass-by Trips	*-421*	*-361*	*-1,688*
Retail Total	420	4,688	7,725
Industrial Building 1 – High Cube Fulfillment Center Warehouse (Non-Sort)			
Passenger Cars	129	138	1,410
Truck Trips			
2-axle	0	0	39
3-axle	0	0	69
4-axle	0	0	258
Truck Subtotal	0	0	366
Building 1 Total	129	138	1,776
Internal Capture	*-31*	*-6*	*-170*
Building 1 Total	98	132	1,606
Industrial Building 2 – High Cube Fulfillment Center Warehouse (Sort)			
Passenger Cars	805	1,127	5,557
Truck Trips			
2-axle	0	0	142
3-axle	19	0	246
4-axle	28	28	966
Truck Subtotal	47	28	1,354
Building 2 Subtotal	852	1,155	6,911
Internal Capture	*-201*	*-60*	*-597*
Building 2 Total	651	1,095	6,314
Total Project Trips	**1,617**	**2,122**	**21,669**
Source: LLG, 2023a, Table 16-2			

2.5 PROJECT CONSTRUCTION

The adoption of the proposed specific plan would not directly approve construction of any specific infrastructure or development project. Therefore, the specific construction means, methods, and phasing of future development projects in the Project area are not known for certain. Future project-specific construction activities would depend on the project type, size, and other factors; however, construction activities associated with typical development usually include mass grading, site preparation/fine grading, building construction, paving, and architectural coating operations.

Although detailed construction information is not available at this time, the Applicant anticipates certain construction activities that would facilitate future development in the Project area would proceed first, including mass grading of the approximately 183-acre Project area, the installation of A Street and utility mains, and the construction of the IID substation. These activities would grade the Project area, provide access to the interior of the Project area, and ensure adequate utility infrastructure is in place to support the timely development of future projects. The mass grading of the Project area is estimated to require the net import of up to approximately 2,525 cubic yards of soil.

2.5.1 CONSTRUCTION SCHEDULE AND MODELING ASSUMPTIONS

Mass grading activities are assumed to begin as soon as the first quarter of 2025, followed closely by the installation of "A" Street and utility mains, and then the IID substation. The development of the Project area is likely to occur over multiple years, with full development anticipated to occur by the end of 2033. For the purposes of evaluating the potential environmental impacts that could result from Project-related construction activities, a series of different construction activity models were developed based on the conceptual site plan and associated development assumptions for the Maximum Buildout Scenario (see Figure 2-3) and Scenario 2 (see Figure 2-4). Like the conceptual site plans, the conceptual construction models are only used to characterize and evaluate the Project's potential construction impacts. The actual layout, orientation, type, and amount of residential and non-residential development that could occur in the Project area would be subject to market conditions. In addition, although full development of the Project area is not anticipated to occur before 2033, the construction modeling conducted for the Project assumes concurrent construction in PA 1, PA 2, PA 3, and PA 4. In actuality, it is possible that no construction could be occurring at any given time, or multiple projects could be occurring within the Project Area simultaneously. This approach (i.e., modeling a series of concurrent construction activities instead of one large, 186-acre construction project) was used because:1) the proposed Project area would not be developed as a single project due to its size and different allowable land uses; 2) the modeling of concurrent construction activities in a shorter-time period results in a worst-case construction impact analysis, and 3) modeling of different individual construction activities at the same time supports the identification of potential on- and off-site impacts.

The proposed Project's construction model assumptions are summarized in Table 2-6 and each construction model's geographic limits are shown in Figure 2-5 (Maximum Buildout Scenario) and Figure 2-6 (Scenario 2). A summary of each construction model's specific phase and schedule assumptions is provided in Table 2-7 (Maximum Buildout Scenario) and Table 2-8 (Scenario 2).

Table 2-6: Summary of Construction Modeling Assumptions			
Model Run	**Size**	**Modeled Development**	
		Residential	**Non-Residential**
General Site Development and PA 4			
01: Mass Grading	182.9 Acres	N/A	N/A
02: "A" Street	10.4 Acres	N/A	N/A
03: IID Substation	2.4 Acres	N/A	N/A
04: PA4 Southwest Industrial	48.8 Acres	N/A	859,510 SF
05: PA4 Southeast Industrial	44.0 Acres	N/A	946,680 SF
Maximum Buildout Scenario – PA 1, PA 2, and PA 3			
06: MBS PA1 Northwest Residential	28.5 Acres	1,215 DU	0 SF
07: MBS PA1 Northeast and PA2 Mixed-Use	39.2 Acres	1,620 DU	20,000 SF
Residential	*38.7 Acres*	*1,620 DU*	*N/A*
Strip Retail	*0.5 Acres*	*N/A*	*20,000 SF*
08: MBS PA3 Residential	9.5 Acres	405 DU	0 SF
Scenario 2 - PA 1, PA 2, and PA 3			
09: S2 PA1 Northwest Residential	28.5 Acres	446 DU	0 SF
10: S2 PA1 Northeast Residential	34.4 Acres	794 DU	0 SF
11: S2 PA2 Commercial	4.6 Acres	0 DU	13,100 SF
Convenience Market with 16 Gas Pumps	*0.1 Acres*	*N/A*	*5,000 SF*
Fast Food Restaurant with Drive Thru	*0.1 Acres*	*N/A*	*3,100 SF*
Carwash	*0.1 Acres*	*N/A*	*5,000 SF*
12: S2 PA3 Commercial	9.9 Acres	0 DU	58,500 SF
Supermarket	*1.1 Acres*	*N/A*	*49,500 SF*
Fast Food Restaurant with Drive Thru	*0.2 Acres*	*N/A*	*9,000 SF*
128-Key Hotel	*4.3 Acres*	*N/A*	*185,856 SF(A)*

Source: MIG 2023 (see Appendix A).
(A) Square footage estimate for the 128-key hotel was generated using CalEEMod default assumptions.

Figure 2-5: Maximum Buildout Scenario Construction Models

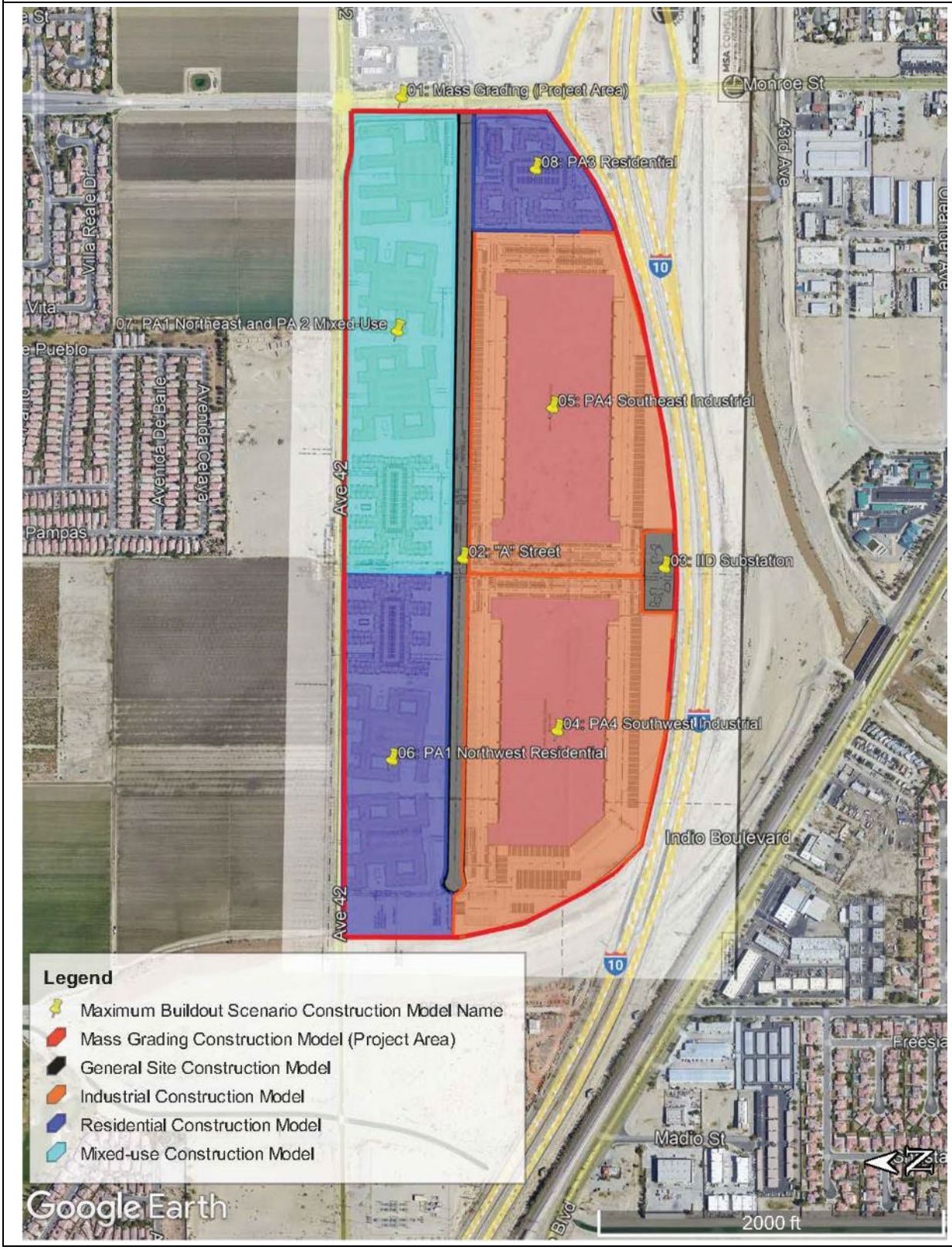


Figure 2-6: Scenario 2 Construction Models

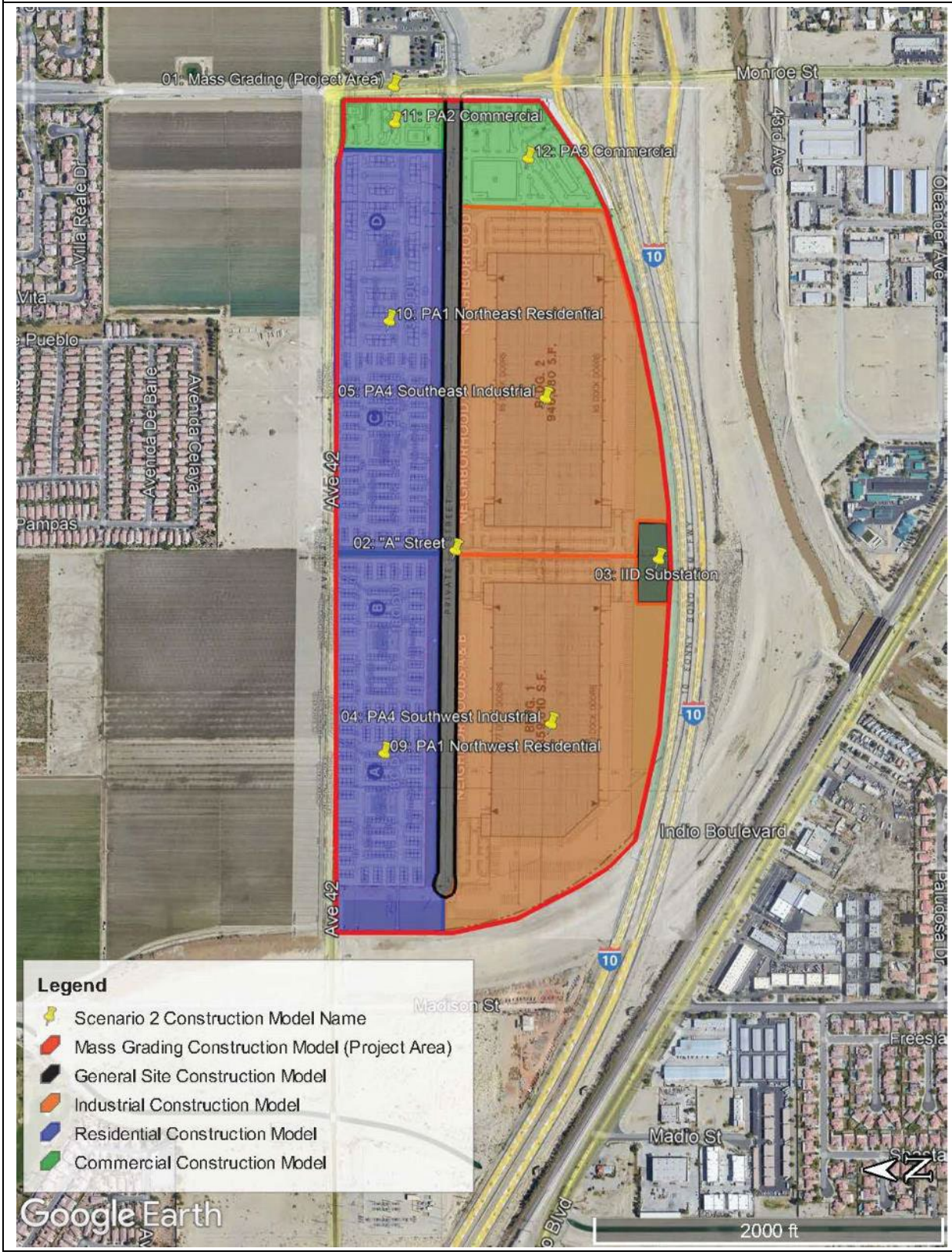


Table 2-7: Summary of Maximum Buildout Scenario Construction Model Run Schedules								
2025	**01: Mass Grading**	**02: "A" Street**	**03: IID Substation**	**04: PA4 Southwest Industrial**	**05: PA4 Southeast Industrial**	**06: MBS PA1 Northwest Residential**	**07: MBS PA1 Northeast and PA 2 Mixed-Use**	**08: MBS PA3 Residential**
Jan	SPR, G							
Feb	G							
Mar		SPR						
Apr		U,P	SPR					
May		P	BC	SPR	SPR	SPR	SPR	SPR
Jun			BC	SPR, BC	SPR, BC	SPR, BC	SPR, BC	BC
Jul – Dec			BC	BC	BC	BC	BC	BC
2026								
Jan - Feb			BC	BC	BC	BC	BC	BC
Mar			BC, P, AC	BC	BC	BC	BC	BC
Apr				BC	BC	BC	BC	BC
May				BC	BC	BC	BC	BC, P
Jun				BC	BC	BC	BC	P, AC
Jul				BC	BC	BC	BC	AC
Aug – Oct				BC	BC	BC	BC	
Nov				BC, P	BC, P	BC	BC	
Dec				P, AC	P, AC	BC	BC	
2027								
Jan				AC	AC	BC	BC	
Feb - Apr						BC	BC	
May						BC	BC	
Jun						P, AC	BC	
Jul						AC	BC	
Aug - Dec							BC	
2028								
Jan – Mar							BC	
Apr							BC, P	
May							P	
Jun							P, AC	
Jul							AC	
Aug							AC	

Note: SPR = Site Preparation (SPR is used to avoid confusion with "SP" for Specific Plan); G = Grading; U = Utility Installation; BC = Building Construction, P = Paving, AC = Architectural Coatings

Table 2-8: Summary of Scenario 2 Construction Model Run Schedules									
2025	**01: Mass Grading**	**02: "A" Street**	**03: IID Substation**	**04: PA4 Southwest Industrial**	**05: PA4 Southeast Industrial**	**09: S2 PA1 Northwest Residential**	**10: S2 PA 1 Northeast Residential**	**11: S2 PA 2 Commercial**	**12: S2 PA 3 Commercial**
Jan	SPR, G								
Feb	G								
Mar		SPR							
Apr		U, P	SPR						
May		P	BC	SPR	SPR	SPR	SPR	SPR, BC	SPR, BC
Jun			BC	SPR, BC	SPR, BC	SPR, BC	SPR, BC	BC	BC
Jul - Dec			BC	BC	BC	BC	BC	BC	BC
2026									
Jan - Feb			BC	BC	BC	BC	BC	BC	BC
Mar			BC, P, AC	BC	BC	BC	BC	BC	BC
Apr				BC	BC	BC	BC	BC, P, AC	BC
May				BC	BC	BC	BC	AC	BC
Jun				BC	BC	BC	BC		BC
Jul				BC	BC	BC	BC		BC, P
Aug				BC	BC	BC	BC		P, AC
Sep				BC	BC	BC	BC		AC
Oct				BC	BC	BC	BC		
Nov				BC, P	BC, P	BC	BC		
Dec				P, AC	P, AC	BC	BC		
2027									
Jan				AC	AC	BC	BC		
Feb - Apr						BC	BC		
May						BC, P	BC		
Jun						P, AC	BC		
Jul						AC	BC		
Aug - Dec							BC		
2028									
Jan - Mar							BC		
Feb							BC		
Mar							BC		
Apr							BC, P		
May							P		
Jun							P, AC		
Jul							AC		
Aug							AC		

Note: SPR = Site Preparation (SPR is used to avoid confusion with "SP" for Specific Plan); G = Grading; U = Utility Installation; BC = Building Construction, P = Paving, AC = Architectural Coatings

2.6 SPECIFIC PLAN COMPONENTS THAT REDUCE AIR POLLUTANT EMISSIONS

The proposed Project includes goals, standards and design guidelines that would reduce potential air pollutant emissions.

Section 1.4 of the Oasis at Indio Specific Plan includes the following goals that are related to air pollutant emissions:

- **Goal:** Where industrial uses are near existing and planned residential development, ensure that industrial projects be designed to limit the impact of truck traffic, air, and noise pollution.
    - Create a high-quality development that provides industrial land use activity adjacent to I-10.
    - Encourage site plan designs to provide appropriate setbacks and/or design features that reduce negative impacts at the source.
    - Encourage industrial land uses that accommodate buildings with loading bays that have a short direct access route to I-10 on- and off-ramps.
    - Design safe and efficient vehicle access to commercial land uses from arterial streets to ensure efficient vehicular ingress and egress.
    - Utilize existing designated truck routes and develop a safe and efficient system for delivering goods and services.
- **Goal:** Ensure the circulation network provides a safe and efficient level of connectivity for commercial and passenger vehicles, bicyclists, and pedestrians.
    - Establish pedestrian connections between residential and retail commercial developments.
    - Develop sidewalks for pedestrian use where existing gaps exist.
    - Establish the opportunity for a Multi-Modal Transportation Network that serves all users and modes in a healthy, equitable manner. \
    - Encourage commercial/retail developments to have common driveways to minimize the number of curb cuts along any given block to improve pedestrian safety.
    - Encourage residential and non-residential developments within a ½ mile radius of existing or planned transit stops, particularly along Avenue 42, to facilitate and take advantage of transit service, reduce vehicle trips, and allow residents without private vehicles to access services.
    - Design a circulation network that provides pedestrians and bicyclists safe transit on existing designated arterial and boulevard truck routes.

Chapter 3 of the specific plan establishes the following use restrictions and standards for development in the Project area:

- **3.3.3 Air Contaminants:** Uses, activities, and processes shall not operate in a manner that emits excessive dust, odor, fumes, smoke, or particulate matter, unless authorized under Federal, State, or local law. Sources of air emissions shall comply with all rules established by the Environmental Protection Agency (Code of Federal Regulations, Title 40), the California Air Resources Board, and the South Coast Air Quality Management District (SCAQMD). The City shall consult, when appropriate, with SCAQMD to determine which uses shall be equipped with emission-control devices or measures to preclude fugitive dust and particulate emissions from

the site. Such devices or measures shall be approved by SCAQMD prior to issuance of a building permit or other approval authorizing construction activities. All devices shall be maintained by the owner.

- **3.3.4 Air Quality and Odors:** Residential units shall be designed to minimize adverse impacts from mechanical equipment and operations of nonresidential uses on air pollutant emissions and odors. Odors released from any operation or activity shall not exceed detectable concentration beyond lot lines, measured at any location on the lot lines. Non-residential uses with attached residential units shall provide state-of-the art ventilation systems to prevent odors from penetrating residential units.
- **3.3.5 Limitations on Use within a Mixed-Use Development:** Any activity or use as determined by the Director not to be compatible with residential uses in a mixed-use development and/or to have the possibility of affecting the health or safety of residents due to the potential for the use to create dust, glare, heat, noise, noxious gases, odor, smoke, traffic, vibration, or other impacts, or create a hazard because of materials, processes, products, or wastes, shall not be permitted within any mixed-use development. This includes but is not limited to, storage or shipping of flammable liquids or hazardous materials beyond that normally associated with residential use and welding, machining, or open flame work.
- **3.3.7 Hours of Operation:** The hours of operation for commercial/retail uses in a mixed-use development shall be no earlier than 7 AM and no later than 10 PM daily unless modified by an administrative or conditional use permit. The hours of operation for industrial warehouse use may operate 24 hours daily.
    - Construction hours of operation: It shall be unlawful for any person to operate, permit, use, or cause to operate construction equipment outside the hours listed in Table 2-9. However, the Community Development Director and/or City Engineer shall have the authority to allow hours for construction as needed.

Table 2-9: Proposed Project Construction Hours of Operation

Day	Pacific Standard Time	Pacific Daylight Time
Monday thru Friday	7 AM through 6 PM	6 AM through 6 PM
Saturday	8 AM through 6 PM	7 AM through 6 PM
Sunday and Government Holidays	9 AM through 5 PM	9 AM through 5 PM

Source: City of Indio, 2023, Section 3.3.7

- **3.3.8 Loading:** Loading, unloading, and all service and maintenance activities shall be conducted within the hours of operation for commercial/retail uses in a mixed-use development (no earlier than 7 AM and no later than 10 PM unless modified by administrative or conditional use permit).
- **3.5.1.3: Supplemental Industrial Development Standards (PA 4):** Semi-truck idling shall be restricted to five minutes.

Chapter 4 of the specific plan establishes design guidelines for development in the Project area, including:

- **4.1 Multi-Family Guidelines - Exterior Design**

- Encourage sustainable building practices.
- Encourage the use of building techniques and materials that relate to Indio's warm and dry desert climate. Promote solar control and the use of shade in building design and associated pedestrian amenities.

The proposed Project's development standards and design guidelines are part of the proposed Project and are reflected in the emissions estimates and impact analyses contained in this Report, where possible; they are not mitigation measures.

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3 ENVIRONMENTAL AND REGULATORY SETTING

This chapter provides information on the environmental and regulatory air quality setting of the proposed Project. Information on existing air quality conditions, federal and state ambient air quality standards, and pollutants of concern was obtained from the U.S. Environmental Protection Agency (U.S. EPA), California Air Resources Board (CARB), and South Coast Air Quality Management District (SCAQMD).

3.1 REGIONAL ENVIRONMENTAL SETTING

Air quality is a function of pollutant emissions and topographic and meteorological influences. The amount of pollutants emitted into the air and the physical features and atmospheric conditions of a geographic region interact to affect the movement and dispersion of pollutants and determine the quality of its air.

The U.S. EPA and CARB are the federal and state agencies charged with maintaining air quality in the nation and state, respectively. The U.S. EPA delegates much of its authority over air quality to CARB. CARB has geographically divided the state into 15 air basins for the purposes of managing air quality on a regional basis. An air basin is a CARB-designated management unit with similar meteorological and geographic conditions. The proposed Project is located in the County of Riverside, within the Salton Sea Air Basin (SSAB). The SSAB includes portions of Riverside County and Imperial County.

3.1.1 REGULATED AIR POLLUTANTS

The U.S. EPA has established National Ambient Air Quality Standards (NAAQS) for six common air pollutants: ozone (O_3), particulate matter (PM), which consists of "inhalable coarse" PM (particles with an aerodynamic diameter between 2.5 and 10 microns in diameter, or PM_{10}) and "fine" PM (particles with an aerodynamic diameter smaller than 2.5 microns, or $PM_{2.5}$), carbon monoxide (CO), nitrogen dioxide (NO_2), sulfur dioxide (SO_2), and lead. The U.S. EPA refers to these six common pollutants as "criteria" pollutants because the agency regulates the pollutants on the basis of human health and/or environmentally-based criteria. CARB has established California Ambient Air Quality Standards (CAAQS) for the six common air pollutants regulated by the federal Clean Air Act (the CAAQS are more stringent than the NAAQS) plus the following additional air pollutants: hydrogen sulfide (H_2S), sulfates (SO_X), vinyl chloride, and visibility reducing particles. A description of the regulated air pollutants associated with the proposed Project is provided below.

- **Ground-level ozone**, or smog, is not emitted directly into the atmosphere. It is created from chemical reactions between oxides of nitrogen (NO_X) and volatile organic compounds (VOCs), also called reactive organic gases (ROG), in the presence of sunlight (U.S. EPA, 2022a). Thus, ozone formation is typically highest on hot sunny days in urban areas with NO_X and ROG pollution. Ozone irritates the nose, throat, and air pathways and can cause or aggravate shortness of breath, coughing, asthma attacks, and lung diseases such as emphysema and bronchitis.
    - **ROG** is a term defined by CARB as any compound of carbon, excluding carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, and ammonium carbonate, and includes several low-reactive organic compounds which have been exempted by the U.S. EPA (CARB, 2004).

  - **VOC** is a term defined by the U.S. EPA as any compound of carbon, excluding carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, and ammonium carbonate, which participates in atmospheric photochemical reactions. VOCs do not include organic compounds of carbon which have been determined to have negligible photochemical reactivity such as methane, ethane, and methylene chloride (CARB, 2004).

- **Particulate matter (PM)**, also known as particle pollution, is a mixture of extremely small solid and liquid particles made up of a variety of components such as organic chemicals, metals, and soil and dust particles (U.S. EPA, 2022b).
  - PM_{10}, also known as inhalable coarse, respirable, or suspended PM_{10}, consists of particles less than or equal to 10 micrometers in diameter (approximately 1/7th the thickness of a human hair). These particles can be inhaled deep into the lungs and possibly enter the blood stream, causing health effects that include, but are not limited to, increased respiratory symptoms (e.g., irritation, coughing), decreased lung capacity, aggravated asthma, irregular heartbeats, heart attacks, and premature death in people with heart or lung disease (U.S. EPA, 2022b).
  - $PM_{2.5}$, also known as fine PM, consists of particles less than or equal to 2.5 micrometers in diameter (approximately 1/30th the thickness of a human hair). These particles pose an increased risk because they can penetrate the deepest parts of the lung, leading to and exacerbating heart and lung health effects (U.S. EPA, 2022b).
- **Carbon Monoxide (CO)** is an odorless, colorless gas that is formed by the incomplete combustion of fuels. Motor vehicles are the single largest source of carbon monoxide in the SSAB. At high concentrations, CO reduces the oxygen-carrying capacity of the blood and can aggravate cardiovascular disease and cause headaches, dizziness, unconsciousness, and even death (U.S. EPA, 2022c).
- **Nitrogen Dioxide (NO_2)** is a by-product of combustion. NO_2 is not directly emitted but is formed through a reaction between nitric oxide (NO) and atmospheric oxygen. NO and NO_2 are collectively referred to as NO_X and are major contributors to ozone formation. NO_2 also contributes to the formation of particulate matter. NO_2 can cause breathing difficulties at high concentrations (U.S. EPA, 2016d).
- **Sulfur Dioxide (SO_2)** is one of a group of highly reactive gases known as oxides of sulfur (SO_X). Fossil fuel combustion in power plants and industrial facilities are the largest emitters of SO_2. Short-term effects of SO_2 exposure can include adverse respiratory effects such as asthma symptoms. SO_2 and other SO_X can react to form PM (U.S. EPA, 2016e).
- **Sulfates (SO_4^{2-})** are the fully oxidized ionic form of sulfur. SO_4^{2-} are primarily produced from fuel combustion. Sulfur compounds in the fuel are oxidized to SO_2 during the combustion process and subsequently converted to sulfate compounds in the atmosphere. Sulfate exposure can increase risks of respiratory disease (CARB, 2022).

In addition to criteria air pollutants, the U.S. EPA and CARB have classified certain pollutants as hazardous air pollutants (HAPs) or toxic air contaminants (TACs), respectively. These pollutants can cause severe health effects at very low concentrations, and many are suspected or confirmed carcinogens. The U.S. EPA has identified 187 HAPs, including such substances as arsenic and chlorine; CARB considers all U.S. EPA designated HAPs, as well as particulate emissions from diesel-fueled engines (DPM) and other substances, to be a TAC. Since CARB's list of TACs references and includes U.S. EPA's list of HAPs, this

document uses the term TAC when referring to HAPs and TACs. A description of the TACs associated with the proposed Project and its vicinity is provided below.

- **Gasoline-Powered Mobile Sources.** According to the SCAQMD's *Multiple Air Toxics Exposure Study in the South Coast Air Basin* (SCAQMD, 2021a), or MATES V, gasoline-powered vehicles emit TACs, such as benzene, which can have adverse health risks. Gasoline-powered sources emit TACs in much smaller amounts than diesel-powered vehicles.
- **Diesel Particulate Matter (DPM).** Diesel engines emit both gaseous and solid material; the solid material is known as DPM. Almost all DPM is less than 1 micrometer (µm) in diameter, and thus is a subset of $PM_{2.5}$. DPM is typically composed of carbon particles and numerous organic compounds. Diesel exhaust also contains gaseous pollutants, including VOCs and NO_x. The primary sources of diesel emissions are ships, trains, trucks, rail yards and heavily traveled roadways. These sources are often located near highly populated areas, resulting in greater DPM related health consequences in urban areas. The majority of DPM is small enough to be inhaled into the lungs and what particles are not exhaled can be deposited on the lung surface and in the deepest regions of the lungs where the lung is most susceptible to injury. In 1998, CARB identified DPM as a toxic air contaminant based on evidence of a relationship between diesel exhaust exposure and lung cancer and other adverse health effects. DPM also contributes to the same non-cancer health effects as $PM_{2.5}$ exposure (CARB 2016).

Common criteria air pollutants, such as ozone precursors, SO_2, and PM, are emitted by a large number of sources and have effects on a regional basis (i.e., throughout the SSAB); other pollutants, such as HAPs, TACs, and fugitive dust, are generally not as prevalent and/or emitted by fewer and more specific sources. As such, these pollutants have much greater effects on local air quality conditions and local receptors.

3.1.2 REGIONAL AIR POLLUTANT EMISSIONS LEVELS

CARB's estimate of the amount of emissions generated within the SSAB in 2017, the most recent year for which data is available, is summarized in Table 3-1.

3.1.3 SALTON SEA AIR BASIN CLIMATE, TOPOGRAPHY, AND METEOROLOGY

The Coachella Valley Planning Area, which consists of portions of Riverside County located in the SSAB, has a desert climate and can experience frequent strong winds. The Coachella Valley Planning Area is bound by the San Jacinto Mountains to the west and the eastern boundary of the Coachella Valley to the east.

Pollutants generated in the South Coast Air Basin are transported by wind through the San Gorgonio Pass to the Coachella Valley. The Pacific high-pressure system drives the prevailing winds in the South Coast Basin. In the summer, an inversion layer is created over the coastal areas and increases ozone levels. A temperature inversion is created when a layer of cool air is overlain by a layer of warmer air; this can occur over coastal areas when cool, dense air that originates over the ocean is blown onto land and flows underneath the warmer, drier air that is present over land. In the winter, areas throughout the South Coast Air Basin often experience a shallow inversion layer that prevents the dispersion of surface level air pollutants, resulting in higher concentrations of criteria air pollutants such as CO and NO_X. These meteorological conditions contribute to the pollution transported from the South Coast Air Basin into the Coachella Valley. High winds also generate wind-blown sand and dust, creating high PM_{10} concentrations in the Coachella Valley Planning Area.

Table 3-1: Salton Sea Air Basin Emissions Summary							
Emissions Source	**2017 Pollutant Emissions (Tons Per Day)**						
	ROG	**NO_X**	**$PM_{2.5}$**	**PM_{10}**	**PM**	**CO**	**SO_X**
Stationary[A]	3.7	2.7	1.1	4.7	9.1	2.2	0.2
Area-wide[B]	10.6	0.8	39.0	298.5	520.8	6.2	0.0
Mobile[C]	11.1	33.1	1.7	2.5	2.5	83.4	0.3
Total[D]	25.4	36.5	41.9	305.7	532.4	91.8	0.5
Emissions Source	**2017 Pollutant Emissions (Tons Per Year)**						
	ROG	**NO_X**	**$PM_{2.5}$**	**PM_{10}**	**PM**	**CO**	**SO_X**
Stationary[A]	1,350.5	985.5	401.5	1,715.5	3,321.5	803.0	73.0
Area-wide[B]	3,869.0	292.0	14,235.0	108,952.5	190,092.0	2,263.0	0.0
Mobile[C]	4,051.5	12,081.5	620.5	912.5	912.5	30,441.0	109.5
Total[D]	9,271.0	13,359.0	15,293.5	111,580.5	194,326	33,507.0	182.5

Source: CARB, 2022b, modified by MIG.

(A) Stationary sources include fuel combustion in stationary equipment, waste disposal, cleaning and surface coatings, petroleum production and marketing, or a specific type of facility such as printing and metals processing facilities.

(B) Mobile sources include automobiles, trucks, and other vehicles intended for "on-road" travel and other self-propelled machines such as aircraft, ocean going vessels, construction equipment, and all-terrain vehicles intended for "off-road" travel.

(C) Area-wide sources include solvent evaporation (e.g., consumer products, painting, and asphalt paving) and miscellaneous processes such as residential space heating, fugitive windblown dust, and cooking.

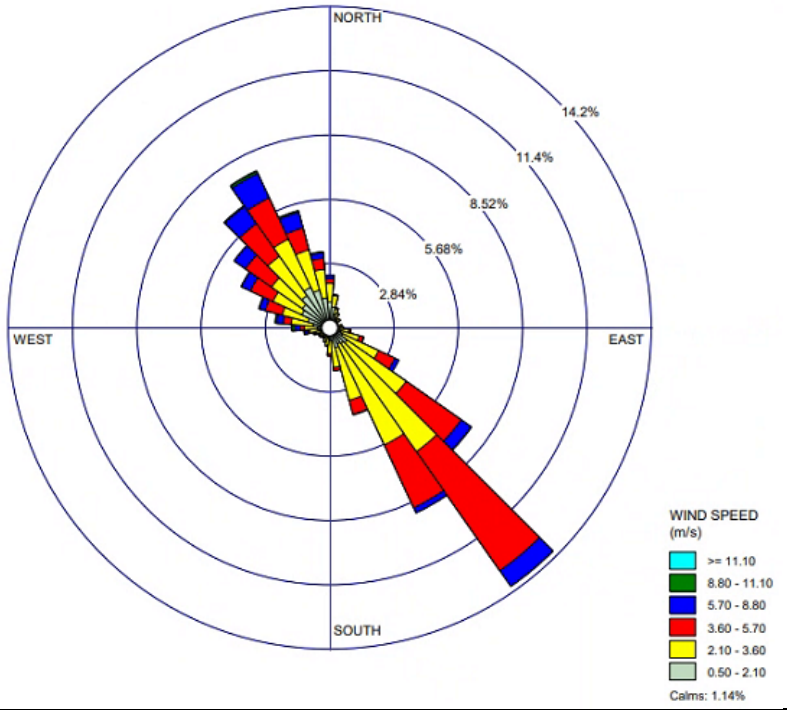
(D) Totals may not equal due to rounding.

Temperatures near the Project area range from a high of 107 degrees Fahrenheit (F) in July to a low of 39 degrees Fahrenheit in December and January. Annual precipitation is approximately 3 inches, falling mostly from December through February (WRCC, 2004).

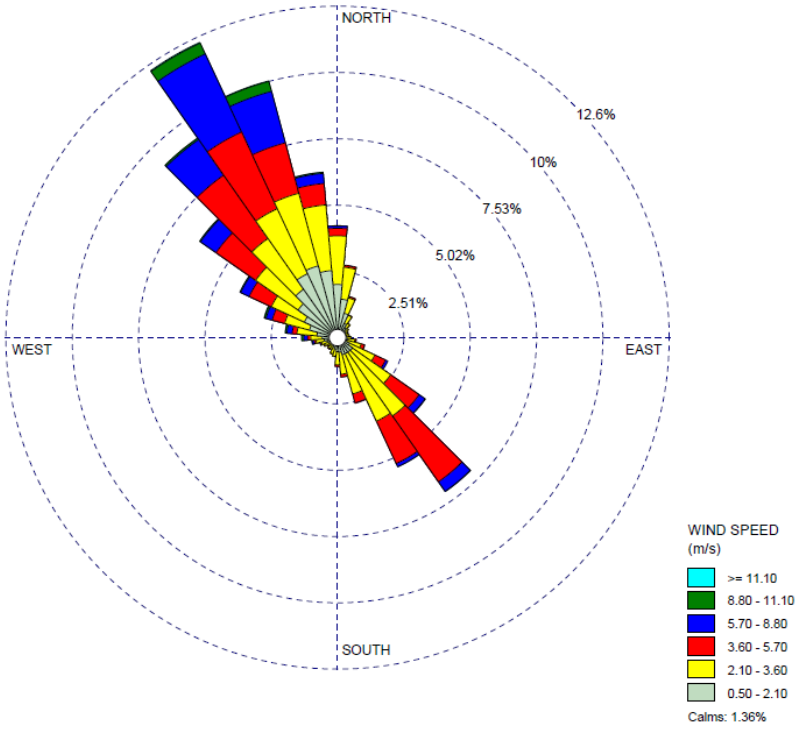
The SCAQMD maintains publicly meteorological data for use in air quality analyses. The closest meteorological station with data representative of those at the Project area is from the Desert Hot Springs Airport, approximately 8.4 miles southeast of the Project area. The wind rose for the Desert Hot Springs Airport Meteorological Station is shown in Figure 3-1, which includes daily data (i.e., 24-hours a day) and a subset of data for the 7 AM to 6 PM period during which construction would occur. Figure 3-1 indicates the prevailing wind near the Project area is from the northwest when averaging all hours in the day, and from the southeast during daytime hours.

Figure 3-1 Wind Rose for the Desert Hot Springs Airport Meteorological Station (Blowing From)

Daytime Hours (7 AM to 6 PM)



Daily (24 hours)



Source: SCAQMD, 2018a

3.1.4 REGIONAL AIR QUALITY CONDITIONS AND ATTAINMENT STATUS

As described in Section 3.1.1 and shown in Table 3-2, the federal and state governments have established emission standards and limits for air pollutants which may reasonably be anticipated to endanger public health or welfare. These standards typically take one of two forms: standards or requirements that are applicable to specific types of facilities or equipment (e.g., petroleum refining, metal smelting), or concentration-based standards that are applicable to overall ambient air quality. Air quality conditions are best described and understood in the context of these standards; areas that meet, or attain, concentration-based ambient air quality standards are considered to have levels of pollutants in the ambient air that, based on the latest scientific knowledge, do not endanger public health or welfare.

The U.S. EPA, CARB, and the SCAQMD assess the air quality of an area by measuring and monitoring the amount of pollutants in the ambient air and comparing pollutant levels against NAAQS and CAAQS. Based on these comparisons, regions are classified into one of the following categories:

- **Attainment.** A region is "in attainment" if monitoring shows ambient concentrations of a specific pollutant are less than or equal to NAAQS or CAAQS. In addition, an area that has been re-designated from nonattainment to attainment is classified as a "maintenance area" for 10 years to ensure that the air quality improvements are sustained.
- **Nonattainment.** If the NAAQS or CAAQS are exceeded for a pollutant, the region is designated as nonattainment for that pollutant. It is important to note that some NAAQS and CAAQS require multiple exceedances of the standard in order for a region to be classified as nonattainment. Federal and state laws require nonattainment areas to develop strategies, plans, and control measures to reduce pollutant concentrations to levels that meet, or attain, standards.
- **Unclassified.** An area is unclassified if the ambient air monitoring data are incomplete and do not support a designation of attainment or nonattainment.

Table 3-2 summarizes the Coachella Valley's attainment status for criteria pollutants. The Coachella Valley is currently in nonattainment for state and federal ozone and PM_{10} standards.

Pollution problems in the Coachella Valley are caused by emissions in the South Coast Air Basin and in Coachella Valley, and the specific meteorology that promotes pollutant concentrations. Emissions sources vary widely from smaller sources such as individual residential water heaters and short-term grading activities to extensive operational sources including long-term operation of electrical power plants and other intense industrial use. Additionally, pollutants in the South Coast Basin are blown inward to the Coachella Valley from coastal areas by sea breezes from the Pacific Ocean. The majority of ozone pollution in the Coachella Valley was generated upwind and transported to the area. Ozone concentrations and exceedances in Coachella Valley are highest in late spring and summer. Unlike ozone, PM_{10} is mostly generated within Coachella Valley. High PM_{10} concentrations and exceedances are caused by fugitive dust from sources such as construction activities, road travel, and winds that generate dust.

3.2 LOCAL ENVIRONMENTAL SETTING

The proposed Project is located in the center of Riverside County, in the north-central portion of the City of Indio, approximately 65 feet north of I-10. Existing residences are located north of the site. The existing commercial uses surrounding the Project area, as well as vehicles on the I-10 and local roadways, and overhead aircraft all contribute to the local air quality conditions in proximity to the Project area.

Table 3-2: Summary of Ambient Air Quality Standards and Attainment Status in Coachella Valley

Pollutant	Averaging Time[B]	California Standards[A]		National Standards[A]	
		Standard[C]	Attainment Status	Standard[C]	Attainment Status
Ozone	1-Hour (1979)	--	--	240 µg/m^3	Attainment
	1-Hour (Current)	180 µg/m^3	Nonattainment	--	--
	8-Hour (1997)	--	--	160 µg/m^3	Nonattainment
	8-Hour (2008)	--	--	147 µg/m^3	Nonattainment
	8-Hour (Current)	137 µg/m^3	Nonattainment	137 µg/m^3	Nonattainment
PM_{10}	24-Hour	50 µg/m^3	Nonattainment	150 µg/m^3	Nonattainment
	Annual Average	20 µg/m^3	Nonattainment	--	--
$PM_{2.5}$	24-Hour	--	--	35 µg/m^3	Attainment
	Annual Average (1997)	--	--	15 µg/m^3	Unclassifiable/ Attainment
	Annual Average (Current)	12 µg/m^3	Attainment	12 µg/m^3	Unclassifiable/ Attainment
Carbon Monoxide	1-Hour	23,000 µg/m^3	Attainment	40,000 µg/m^3	Unclassifiable/ Attainment
	8-Hour	10,000 µg/m^3	Attainment	10,000 µg/m^3	Unclassifiable/ Attainment
Nitrogen Dioxide	1-Hour	339 µg/m^3	Attainment	188 µg/m^3	Unclassifiable/ Attainment
	Annual Average	57 µg/m^3	Attainment	100 µg/m^3	Unclassifiable/ Attainment
Sulfur Dioxide	1-Hour	655 µg/m^3	Attainment	196 µg/m^3	--
	24-Hour	105 µg/m^3	Attainment	367 µg/m^3	Unclassifiable/ Attainment
	Annual Average	--	--	79 µg/m^3	Unclassifiable/ Attainment
Lead	3-Months Rolling	--	--	0.15 µg/m^3	Unclassifiable/ Attainment
Hydrogen Sulfide	1-Hour	42 µg/m^3	Attainment	--	--
Sulfates	24-Hour	25 µg/m^3	Attainment	--	--
Vinyl Chloride	24-Hour	26 µg/m^3	Unclassified	--	--

Source: SCAQMD 2022, modified by MIG.

(A) This table summarizes the CAAQS and NAAQS and the SSAB's attainments status. This table does not prevent comprehensive information regarding the CAAQS and NAAQS. Each CAAQS and NAAQS has its own averaging time, standard unit of measurement, measurement method, and statistical test for determining if a specific standard has been exceeded. Standards are not presented for visibility reducing particles, which are not concentration-based. The Basin is unclassified for visibility reducing particles.

(B) Ambient air standards have changed over time. This table presents information on the standards previously used by the U.S. EPA for which the SSAB does not meet attainment.

(C) All standards are shown in terms of micrograms per cubic meter (µg/m^3) rounded to the nearest whole number for comparison purposes (with the exception of lead, which has a standard less than 1 µg/m^3). The actual CAAQS and NAAQS standards specify units for each pollutant measurement.

3.2.1 LOCAL AIR QUALITY CONDITIONS

Air pollution levels are measured at monitoring stations located throughout the SSAB. The Project area is located in SCAQMD Source Receptor Area (SRA) 30 – Indio. The station closest to the Project area is identified as Coachella Valley 2 by the SCAQMD. The station is approximately 2.5 miles southeast of the Project area, at 46990 Jackson St, Indio, and monitors O_3, PM_{10} and $PM_{2.5}$. Coachella Valley 1, which is approximately 18.3 miles northwest of the Project area at 590 E Racquet Club Road, Palm Springs, is the closest station that monitors CO and NO_2. These monitoring stations represent the best approximation of the air quality conditions near the Project area.

Table 3-3 summarizes the published monitoring data from the Coachella Valley 2 and Coachella Valley 1 monitoring stations from 2019 to 2021, the three most recent years for which verified, published data was available from the SCAQMD at the time this Report was prepared. Table 3-3 shows that air quality standards at this location have been exceeded for PM_{10} and O_3. This is consistent with the Coachella Valley's classification as non-attainment for PM_{10} and O_3. As shown in Table 3-3:

- The maximum 1-hour and maximum 8-hour CO concentration decreased from 2019 to 2021. There were no days in which CO standards were exceeded during this time period.
- The maximum 1-hour NO_2 concentration increased from 2019 to 2020, but decreased from 2020 to 2021 to concentrations lower than in 2019, and the average annual NO_2 concentration generally decreased from 2019 to 2021, with the lowest concentration occurring in 2020. There were no days in which NO_2 standards were exceeded during this time period.
- The maximum 1-hour and maximum 8-hour O_3 concentration, as well as the number of exceedances of the state and federal standards, generally decreased from 2019 to 2021.
- The maximum 24-hour PM_{10} concentration generally decreased during the 2019 to 2021 period, with the lowest concentration occurring in 2020. The average annual PM_{10} concentration increased from 2019 to 2021. The number of State PM_{10} standard exceedances generally increased from 2019 to 2021, with the lowest number of exceedances occurring in 2020. There were no exceedances of federal standards.
- The maximum 24-hour $PM_{2.5}$ concentration and the average annual $PM_{2.5}$ concentration generally increased during the 2019 to 2021 period, with the highest concentrations occurring in 2020. The federal 24-hour $PM_{2.5}$ concentration standard was not exceeded by any samples in the 2019 to 2021 time period.

Table 3-3: 2019-2021 Local Air Quality Data for Coachella Valley 2 Monitoring Station				
Pollutant	**Ambient Air Standard**	**Year**		
		2019	**2020**	**2021**
Ozone (O_3)				
Maximum 1-hour Concentration (ppm)		0.103	0.097	0.099
Maximum 8-hr Concentration (ppm)		0.087	0.084	0.078
Number of Days Exceeding State 1-hr Standard	>180 µg/m3	4	2	2
Number of Days Exceeding State 8-hr Standard	>137 µg/m3	43	42	24
Days Exceeding Federal 1-hr Standard	>0.124 ppm	0	0	0
Days Exceeding Federal 8-hr Standard	>0.070 ppm	43	42	18
Carbon Monoxide (CO)[(A)]				
Maximum 1-hr Concentration (ppm)		1.3	0.8	0.8
Maximum 8-hr Concentration (ppm)		0.7	0.5	0.4
Days Exceeding State 1-hr Standard	>23,000 µg/m^3	0	0	0
Days Exceeding Federal/State 8-hr Standard	>10,000 µg/m^3	0	0	0
Days Exceeding Federal 1-hr Standard	>40,000 µg/m^3	0	0	0
Nitrogen Dioxide (NO_2)[(A)]				
Maximum 1-hr Concentration (ppb)		41.4	47.4	35.6
Annual Arithmetic Mean Concentration (ppb)		7.3	6.6	6.8
Days Exceeding State 1-hr Standard	>180 µg/m^3	0	0	0
Suspended Particulate Matter (PM_{10})				
Maximum 24-hr Concentration (µg/m^3)		141	77	123
Annual Arithmetic Mean (µg/m^3)		27.8	29.1	32.3
Samples Exceeding State 24-hr Standard	>50 µg/m^3	27	8	30
Samples Exceeding Federal 24-hr Standard	>150 µg/m^3	0	0	0
Fine Particulate Matter ($PM_{2.5}$)				
Maximum 24-hr Concentration (µg/m^3)		15.0	25.6	18
Annual Arithmetic Mean (µg/m^3)		7.4	8.4	8.2
Samples Exceeding Federal 24-hr Standard	>35 µg/m^3	0	0	0
Source: SCAQMD, 2020a, 2020b, 2020c (A) Data not available for Coachella Valley 2. Data is taken from Coachella Valley 1 for CO and NO_x.				

3.2.2 SENSITIVE AIR QUALITY RECEPTORS

Some people are more affected by air pollution than others. Sensitive air quality receptors include specific subsets of the general population that are susceptible to poor air quality and the potential adverse health effects associated with poor air quality. Both CARB and the SCAQMD consider residences, schools, parks and playgrounds, childcare centers, athletic facilities, long-term health care facilities, rehabilitation centers, convalescent centers, and retirement homes to be sensitive air quality land uses and receptors (SCAQMD, 2017a; CARB, 2005). The sensitive air quality receptors within ¼ mile (1,320 feet) of the proposed Project include:

- Single-family residences in the Sun City Shadow Hills neighborhood approximately 650 feet north of the Project area;
- Mobile home residences approximately 1,118 feet south of the Project area across I-10 and Indio Boulevard;

- A dog park approximately 1,196 feet northwest of the Project area across Madison Street and Avenue 42
- Single-family residences approximately south of the Project area across the I-10, starting approximately 1,320 feet from the Project area.

3.2.3 EXISTING HEALTH RISKS AND DISADVANTAGED COMMUNITIES

The existing sensitive air quality receptors located adjacent or in close proximity to the Project area, are exposed to air pollution associated with motor vehicles operating on the I-10 and roadways (e.g., Monroe Street), overhead aircraft, and commercial facilities in proximity of the site. The following subsections identify existing sources of information that attempt to quantify community health risks based on the sources of pollution they are exposed to.

3.2.3.1 Existing and Planned Warehouses

The Project area is not located within 0.25 miles of any existing or planned warehouse facilities which would contribute to existing air pollution in the region. The closest warehouse greater than 50,000 square feet is located approximately 3,000 east of the Project area on Showcase Parkway.

3.2.3.2 SCAQMD MATES V Carcinogenic Risk Map

According to the SCAQMD's MATES V Carcinogenic Risk Map, the existing carcinogenic risk in the vicinity of the Project is approximately 270 incremental cancer cases per million population, with DPM attributable for 74.4% of the total incremental risk (SCAQMD, 2021b).[2] The other 25.6% of risk is attributable to benzene (9.3%), formaldehyde (7.4%), and other pollutants (8.9%). This estimate reflects regional modeling efforts that largely do not account for site specific emission rates and dispersion characteristics that typically result in refined and substantially lower health risk estimates.

3.2.3.3 CalEnviroScreen and Disadvantaged Communities (Senate Bill 535)

CalEnviroScreen is a mapping tool that helps identify California communities that are most affected by many sources of pollution, and where people are often especially vulnerable to pollution's effects. While CalEnviroScreen was originally developed as part of Senate Bill (SB) 535 and used to identify disadvantaged communities for the purposes of allocating funding from the State's Cap-and-Trade regulation, its application and scope have expanded over the years. The tool uses environmental, health, and socioeconomic information to produce scores for every census tract in the state. The CalEnviroScreen model is made up of four components – two pollution burden components (exposures and environmental effects) and two population characteristics components (sensitive populations and socioeconomic factors). The four components are further divided into 20 indicators. An indicator is a measure of either environmental conditions, in the case of pollution burden indicators, or health and vulnerability factors, in the case of population characteristic indicators.

- **Exposure** indicators are based on the measurements of different types of pollution that people may come into contact with. Exposure indicators include:

[2] The potential cancer risk for a given substance is expressed as the incremental number of potential cancer cases that could be developed per million people, assuming that the population is exposed to the substance at a constant annual average concentration over a presumed 70-year lifetime. These risks are usually presented in chances per million. For example, if the cancer risks were estimated to be 100 per million, the probability of an individual developing cancer due to a lifetime of exposure would be 100 in a million, or one in ten thousand. In other words, this predicts an additional 100 cases of cancer in a population of a million people over a 70-year lifetime (SCAQMD, 2021c).

  - Air Quality: Ozone
  - Air Quality: $PM_{2.5}$
  - Children's Lead Risk from Housing
  - Diesel Particular Matter
  - Drinking Water Contaminants
  - Pesticide Use
  - Toxic Releases from Facilities
  - Traffic Density
- **Environmental effects** indicators are based on the locations of toxic chemicals in or near communities. Environmental effects indicators include:
  - Cleanup Sites
  - Groundwater Threats
  - Hazardous Waste Generators and Facilities
  - Impaired Water Bodies
  - Solid Waste Sites and Facilities
- **Sensitive population** indicators measure the number of people in a community who may be more severely affected by pollution because of their age or health. Sensitive population indicators include:
  - Asthma
  - Cardiovascular Disease
  - Low Birth Weight Infants
- **Socioeconomic factor** indicators are conditions that may increase people's stress or make healthy living difficult and cause them to be more sensitive to pollution's effects (OEHHA 2018). Socioeconomic factors include:
  - Educational Attainment
  - Housing Burden
  - Linguistic Isolation
  - Poverty
  - Unemployment

Each census tract receives scores for as many of the 20 indicators as possible, and the scores are then mapped so that different communities can be compared. Percentiles are assigned to each census tract based on the census tract's score in relation to the rest of the state. An area with a high percentile is one that experiences a much higher pollution burden than areas with low scores. For example, if a census tract has an indicator in the 40th percentile, it means that indicator's percentile is higher than 40 percent of the census tracts in the state. CalEnviroScreen also provides a total (or cumulative) score, which is the product of multiplying the 10 pollution burden components by the 10 population characteristics. This total / cumulative score helps contextualize how multiple contaminants from multiple sources affect people, while taking into account their living conditions (e.g., nonchemical factors such as socioeconomic and health status). Communities that are within the top 25th percentile for total CalEnviroScreen scores are considered disadvantaged communities pursuant to SB 535 (OEHHA, 2021a and 2022).

According to the Office of Environmental Health Hazard Assessment (OEHHA) CalEnviroScreen 4.0 Map, the proposed Project is in Census Tract 6065045216. This area shows an average pollution indicator percentile of 24% based on the CalEnviroScreen indicators (e.g., exposure, environmental effects, population characteristics, socioeconomic factors) and has a population of 2,407 people (OEHHA, 2021b). The CalEnviroScreen data indicates approximately 28 in 10,000 people in the Project area's census tract visited an emergency facility for asthma-related health issues. This rate places the Project area's census

tract in the 23rd percentile, meaning the asthma rate in this census tract is higher than 23% of the census tracts in the State (OEHHA 2021). Table 3-4 summarizes the CalEnviroScreen indicators for census tract 6065045216.

Table 3-4: CalEnviroScreen Health Risk Information

Indicator	Census Tract Indicator Values
	Tract 6065045216
Exposure Indicators	
Air Quality: Ozone	91
Air Quality: $PM_{2.5}$	8
Lead from Housing	1
Diesel Particulate Matter	3
Drinking Water Contamination	49
Pesticide Use	77
Toxic Releases from Facilities	3
Traffic Density	55
Environmental Effect Indicators	
Cleanup Sites	0
Groundwater Threats	0
Hazardous Waste Generators and Facilities	17
Impaired Water Bodies	77
Solid Waste Sites and Facilities	0
Sensitive Population Indicators	
Asthma	23
Cardiovascular Disease	45
Low Birth Weight Infants(A)	-
Socioeconomic Factor Indicators	
Educational Attainment	6
Housing Burden	61
Linguistic Isolation	43
Poverty	37
Unemployment	57
Cumulative Percentiles	
Pollution Burden Percentile	18
Population Characteristics Percentile	31
CalEnviroScreen Percentile (Total)	**24**
SB 535 Disadvantaged Community?	**No**

Source: OEHHA, 2021b and 2022
(A) Data not available

As shown in Table 3-4, Census Tract 6065045216 is within the top 80% of total CalEnviroScreen percentiles throughout the State. It is substantially burdened by exposure to ozone but overall is subject to relatively low levels of pollution and underlying conditions. Census tract 6065045216 is in the 91th percentile for ozone, meaning this census tract has higher exposure to ozone than 91% of census tracts in the State. However, because of low exposure to other pollutants, the census tract's overall pollution burden is in the

18th percentile, meaning it has a higher pollution burden than 18% of all California census tracts. For example, Census tract 6065045216 is in the 3rd percentile for diesel particulate matter, meaning that only 3% of census tracts in the State have lower exposure to diesel particulate matter. In addition, the census tract is not heavily burdened by socioeconomic factors, with a Population Characteristics Percentile of 24. The total CalEnviroScreen Percentile is 24, which is not in the top 25% percentile. Since this census tract is not within the top 25% in scoring, according to the CalEnviroScreen methodology, it is not considered a disadvantaged community pursuant to SB 535.

3.2.4 EXISTING SITE OPERATIONS AND EMISSIONS ESTIMATES

As described in Section 2.2, the Project area is located on an undeveloped parcel of land that generally does not contain any active operations. This Report assumes no emissions are generated by the maintenance and upkeep of the Project area.

3.2.5 FEDERAL AIR QUALITY REGULATIONS

3.2.5.1 Federal Air Quality Regulations

The Federal Clean Air Act (CAA) defines the U.S. EPA's responsibilities for protecting and improving the United States air quality and ozone layer. Key components of the CAA include reducing ambient concentrations of air pollutants that cause health and aesthetic problems, reducing emission of toxic air pollutants, and stopping production and use of chemicals that destroy the ozone.

Federal clean air laws require areas with unhealthy levels of ozone, inhalable particulate matter, Carbon monoxide, nitrogen dioxide, and sulfur dioxide to develop State Implementation Plans (SIPs); comprehensive documents that identify how an area will attain NAAQS. Deadlines for attainment were established in the 1990 amendments to the CAA based on the severity of an area's air pollution problem. Failure to meet air quality deadlines can result in sanctions against the State or the U.S. EPA taking over enforcement of the CAA in the affected area. SIPs are a compilation of new and previously submitted plans, programs, district rules, and State and Federal regulations. The SCAQMD implements the required provisions of an applicable SIP through its Air Quality Management Plan (AQMP). Currently, SCAQMD implements the 2012 Lead SIP for the Los Angeles County portion of South Coast Air Basin through the 2012 AQMP, and the 8-hr Ozone, 1-hr Ozone, 24-hr $PM_{2.5}$, and annual $PM_{2.5}$ SIPs through the 2016 AQMP. The 2022 AQMP was published in December 2022. The SCAQMD also implements the 2003 Coachella Valley PM_{10} State Implementation Plan (CVSIP) for PM_{10} in the Coachella Valley.

3.2.5.2 Safe Affordable Fuel-Efficient Rule

On September 27, 2019, the U.S. EPA and the National Highway Traffic Safety Administration (NHTSA) published the SAFE Vehicles Rule Part One: One National Program." (84 Fed. Reg. 51,310 (Sept. 27, 2019)). The Part One Rule revoked California's authority to set its own greenhouse gas emissions standards and set zero emission vehicle mandates in California. As a result of the loss of the zero emission vehicles (ZEV) sales requirements in California, there may be fewer ZEVs sold and thus additional gasoline-fueled vehicles sold in future years (CARB 2019).

In April 2020, the U.S. EPA and NHTSA issued the SAFE Vehicles Rule for Model Years 2021-2026 Passenger Cars and Light Trucks (Final SAFE Rule) that relaxed federal greenhouse gas emissions and fuel economy standards. The Final SAFE Rule relaxed federal greenhouse gas emissions and Corporate Average Fuel Economy (CAFE) standards to increase in stringency at approximately 1.5 percent per year from model year (MY) 2020 levels over MYs 2021–2026. The previously established emission standards and related "augural" fuel economy standards would have achieved approximately 4 percent per year improvements through MY 2025. The Final SAFE Rule affects both upstream (production and

delivery) and downstream (tailpipe exhaust) CO_2 emissions (CARB 2020) and has been challenged by 23 states. NHTSA repealed and the U.S. EPA rescinded the SAFE Rule Part One in December 2021 and March 2022, respectively, restoring California's authority to implement its GHG standards and ZEV mandates (NHTSA 2022, U.S. EPA 2022f).

3.2.6 STATE AIR QUALITY REGULATIONS

3.2.6.1 California Clean Air Act

The California CAA of 1988 was enacted to develop plans and strategies for attaining the CAAQS. CARB, which is part of the California Environmental Protection Agency (Cal-EPA), develops statewide air quality regulations, including industry-specific limits on criteria, toxic, and nuisance pollutants. The California CAA is more stringent than Federal law in a number of ways including revised standards for PM10 and ozone and state-specific standards for visibility reducing particles, sulfates, hydrogen sulfide, and vinyl chloride.

3.2.6.2 In-Use Off-Road Diesel Equipment Program

CARB's In-Use Off-Road Diesel Equipment regulation is intended to reduce emissions of NO_x and PM from off-road diesel vehicles, including construction equipment, operating within California. The regulation imposes limits on idling; requires reporting equipment and engine information and labeling all vehicles reported; restricts adding older vehicles to fleets; and requires fleets to reduce their emissions by retiring, replacing, or repowering older engines or installing exhaust retrofits for PM. The requirements and compliance dates of the off-road regulation vary by fleet size, and large fleets (fleets with more than 5,000 horsepower) must meet average targets or comply with Best Available Control Technology (BACT) requirements beginning in 2014. CARB has off-road anti-idling regulations affecting self-propelled diesel-fueled vehicles of 25 horsepower and up. The off-road anti-idling regulations limit idling on applicable equipment to no more than five minutes, unless exempted due to safety, operation, or maintenance requirements. In 2022, CARB approved amendments requiring the use of renewable diesel fuel starting January 1, 2024. Fleets comprised of Tier 4 Final equipment or zero emission equipment are exempt from this requirement.

3.2.6.3 On-road Heavy-Duty Vehicles (In-Use) Regulation

CARB's In-Use Heavy-Duty Diesel-Fueled regulation (also known as the Truck and Bus Regulation) is intended to reduce emissions of NO_x, PM, and other criteria pollutants generated from existing on-road diesel vehicles operating in California. The regulation applies to nearly all diesel-fueled trucks and buses with a gross vehicle weight rating (GVWR) greater than 14,000 pounds that are privately or federally owned, and for privately and publicly owned school buses. Heavier trucks and buses with a GVWR greater than 26,000 pounds must comply with a schedule by engine model year or owners can report to show compliance with more flexible options. Fleets complying with the heavier trucks and buses schedule must install the best available PM filter on 1996 model year and newer engines, and replace the vehicle 8 years later. Trucks with 1995 model year and older engines had to be replaced starting in 2015. Replacements with a 2010 model year or newer engine meet the final requirements, but owners can also replace the equipment with used trucks that have a future compliance date (as specified in regulation). By 2023, all trucks and buses must have at least 2010 model year engines, with few exceptions. In 2022, CARB approved amendments requiring the use of renewable diesel fuel starting January 1, 2024. Fleets comprised of Tier 4 Final equipment or zero emission equipment are exempt from this requirement. CARB indicates implementing the use of renewable diesel in Tier 4 Interim and older engines would result in a 10 percent reduction of NO_X emissions and a 30 percent reduction of PM emissions (CARB 2022c)

3.2.6.4 CARB Stationary Diesel Engines – Emissions Regulations

In 1998, CARB identified DPM as a TAC. To reduce public exposure to DPM, in 2000, the Board approved the Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles (Risk Reduction Plan). Integral to this plan is the implementation of control measures to reduce DPM such as the control measures for stationary diesel-fueled engines. As such, diesel generators must comply with regulations under CARB's amendments to Airborne Toxic Control Measure for Stationary Compression Ignition Engines and be permitted by the SCAQMD.

3.2.6.5 CARB Air Quality and Land Use Handbook

CARB's Air Quality and Land Use Handbook is intended to serve as a general reference guide for evaluating and reducing air pollution impacts associated with new projects that go through the land use decision-making process (CARB, 2005). The CARB Handbook recommends that planning agencies consider proximity to air pollution sources when considering new locations for "sensitive" land uses, such as residences, medical facilities, daycare centers, schools, and playgrounds. Air pollution sources of concern include freeways, rail yards, ports, refineries, distribution centers, chrome plating facilities, dry cleaners, and large gasoline service stations. Key recommendations in the Handbook relative to the Project Area include taking steps to consider or avoid siting new, sensitive land uses:

- Within 500 feet of a freeway, urban roads with 100,000 vehicles/day, or rural roads with 50,000 vehicles/day;
- Within 300 feet of gasoline fueling stations; or
- Within 300 feet of dry cleaning operations (dry cleaning with TACs is being phased out and will be prohibited in 2023).

CARB prepared a technical supplement to the Handbook, a Technical Advisory on Strategies to Reduce Air Pollution Exposure Near High Volume Roadways (CARB 2017b), that provides recommendations for strategies to minimize exposure of the public to air pollutants due to proximity to high volume roadways.

3.2.6.6 Air Toxics "Hot Spots" Program

State requirements specifically address emissions of air toxics through Assembly Bill (AB) 1807 (known as the Tanner Bill) that established the State Air Toxics "Hot Spots" Program and the Air Toxics Hot Spots Information and Assessment Act of 1987 (AB 2588) (California Health and Safety Code Section 44300 et seq.). Under the Air Toxics Hot Spots Information and Assessment Act of 1987 (or Air Toxics "Hot Spots" Act) and Air Toxics Hot Spots Program, the State (CARB) must collect data on toxic emissions from stationary sources (facilities) throughout the State and ascertain potential health risks that these emissions pose to members of community for developing cancer or for resulting in non-cancer health effects. California's Children's Environmental Health Protection Act of 1999 (California Health and Safety Code Section 39606), also requires explicit consideration of infants and children in assessing risks from air toxics.

Substances regulated under California's Air Toxics Hot Spots Program are defined in statute and include a list of substances developed by the following sources:

- International Agency for Research on Cancer (IARC);
- U.S. EPA;

- U.S. National Toxicology Program (NTP);
- CARB Toxic Air Contaminant Identification Program List;
- Hazard Evaluation System and Information Service (HESIS) (State of California);
- Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986) list of carcinogens and reproductive toxicants (State of California); and
- Any additional substance recognized by the State Board as presenting a chronic or acute threat to public health when present in the ambient air

3.2.6.7 California Building Industry Association vs. Bay Area Air Quality Management District

The California Supreme Court in *California Building Industry Association v. Bay Area Air Quality Management District*, 62 Cal.4th 369 (2015) ruled that CEQA review is focused on a project's impact on the environment "and not the environment's impact on the project." The opinion also holds that when a project has "potentially significant exacerbating effects on existing environmental hazards" those impacts are properly within the scope of CEQA because they can be viewed as impacts of the project on "existing conditions" rather than impacts of the environment on the project. The Supreme Court provided the example of a project that threatens to disperse existing buried environmental contaminants that would otherwise remain undisturbed. The Court concluded that it is proper under CEQA to undertake an analysis of the dispersal of existing contaminants because such an analysis would be focused on how the project "would worsen existing conditions." The court also found that the limited number of express CEQA provisions that require analysis of the impacts of the existing environment on a project – such as impacts associated with school siting and airports – should be viewed as specific statutory exceptions to the general rule that such impacts are not properly within CEQA's scope.

3.2.7 REGIONAL AIR QUALITY REGULATIONS

3.2.7.1 Southern California Association of Governments

The Southern California Association of Governments (SCAG) is a Joint Powers Authority under California State Law, established as an association of local governments and agencies that voluntarily convene as a forum to address regional issues. SCAG encompasses the counties of Los Angeles, Orange, Ventura, Riverside, San Bernardino, and Imperial.

SCAG is designated as a Metropolitan Planning Organization (MPO) and as a Regional Transportation Planning Agency. Under SB 375, SCAG, as a designated MPO, is required to prepare a Sustainable Communities Strategy (SCS) as an integral part of its Regional Transportation Plan (RTP). On September 3, 2020, SCAG's Regional Council adopted the 2020–2045 Regional Transportation Plan/Sustainable Communities Strategy (2020 RTP/SCS). The 2020 RTP/SCS is a long-range visioning plan that focuses on land use and transportation strategies. Demographic and economic growth projections, travel activity data, strategies, and control measures contained in the 2020 RTP/SCS Information forms the basis for the transportation control strategy portion of the AQMP and are utilized in the preparation of air quality forecasts and consistency analysis included in the AQMP.

3.2.7.2 SCAQMD Air Quality Management Plans

The purpose of an AQMP is to bring an air basin into compliance with federal and state air quality standards and is a multi-tiered document that builds on previously adopted AQMPs. There are two relevant AQMP's for the Coachella Valley Planning Area: the Coachella Valley PM_{10} State Implementation Plan (CVSIP) and the 2022 AQMP.

The CVSIP was adopted by the SCAQMD in 2002 and updated in 2003. The CVSIP contains control strategies for PM_{10} in the Coachella Valley in response to the region's nonattainment of PM_{10} NAAQS in 1999 through 2001.

The 2022 AQMP replaces the 2016 AQMP for the South Coast Air Basin and the Coachella Valley Planning Area, which provided comprehensive planning to demonstrate how the SCAQMD, in coordination with other federal, state, regional, and local entities, would bring the Coachella Valley Planning Area back into attainment for the 1997 8-hour Ozone and 2008 8-hour Ozone NAAQS. The 2022 AQMP focuses on bringing the South Coast Air Basin and the SSAB into compliance with the 2015 8-hour ozone standard. The Coachella Valley Planning Area, which is in severe nonattainment, has an attainment year of 2032 for the 2015 8-hour ozone NAAQS. The 2022 AQMP includes growth projections developed by SCAG for the 2020 RTP/SCS that help inform emissions inventories. The 2022 AQMP plans to reduce NOx emissions to 60 tons per day in the South Coast Air Basin, where most of the ozone in the Coachella Valley Planning Area is transported from. The 2022 AQMP notes that widespread adoption of zero emission technologies across all sectors and a combination of local, state, and federal action will be required to achieve the projected NOx reductions.

The SCAQMD proposes incentive programs and 49 control measures that, with state and federal control measures, can achieve the required NOx reductions. SCAQMD's incentive programs would focus on promoting deployment of existing zero emission and low NOx technology and on developing new zero emission and ultra-low NOx technologies. SCAQMD's control measures consist of 30 measures that target stationary sources and 18 that target mobile sources. The 2022 AQMP includes stationary source measures that seek to reduce NOx from residential combustion sources, commercial combustion sources, and large combustion sources, as further described below.

- Residential control measures focus on reducing NOx by replacing appliances and devices (e.g., for heating and cooking) with zero emission and low-NOx appliances.
- Commercial control measures are identified reduce NOx from commercial appliances, cooking devices, and small internal combustion engines and commercial combustion equipment.
- Large combustion control measures have been included reduce NOx from sources including boilers, engines, and facilities.

In addition, the 2022 AQMP includes stationary source measures to reduce VOC, including reducing leaks and providing incentive funding for the adoption of low-VOC technology. The 2022 AQMP also includes co-benefit measures that quantify the reduction in criteria air pollutants from energy and climate change measures. Other stationary source measures (e.g., education and outreach) seek to reduce all criteria pollutants.

Finally, the 2022 AQMP includes mobile source control measures grouped into the following categories:

- Emission growth management, which mitigate emissions from new or redevelopment projects.
- Facility based, which focus on mobile sources at port, railyards, and intermodal facilities.
- On-road and off-road mobile sources, which focus on vehicles and equipment used during construction and operation at industrial sites.
- Incentives, for early deployment of cleaner technology.
- Other measures (e.g., infrastructure planning).

3.2.7.3 SCAQMD Rule Book

In order to control air pollution in the SSAB, the SCAQMD adopts rules that establish permissible air pollutant emissions and governs a variety of businesses, processes, operations, and products to implement the AQMP and the various federal and state air quality requirements. SCAQMD does not adopt rules for mobile sources; those are established by CARB or the U.S. EPA. In general, the SCAQMD rules that are anticipated to be applicable to the development of the proposed Project, include:

Rule 203 (Permit to Operate) sets forth the requirement that the use or operation any equipment or agricultural permit unit, the use of which may cause the issuance of air contaminants, or the use of which may reduce or control the issuance of air contaminants, must receive a written permit to operate from the Executive Officer.

Rule 401 (Visible Emissions) prohibits discharge into the atmosphere from any single source of emission for any contaminant for a period or periods aggregating more than three minutes in any one hour that is as dark or darker in shade than that designated as No. 1 on the Ringelmann Chart, as published by the U.S. Bureau of Mines.

Rule 402 (Nuisance) prohibits discharges of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.

Rule 403 (Fugitive Dust) prohibits emissions of fugitive dust from any active operation (e.g., demolition or grading), storage pile, or other disturbed surface area if it crosses the project property line or if emissions caused by vehicle movement cause substantial impairment of visibility (defined as exceeding 20 percent capacity in the air). Rule 403 requires the implementation of Best Available Control Measures and includes additional provisions that differ depending on whether a project is less than five acres, more than five acres, or more than 50 acres. Control measures are specified for earth moving activities, active and inactive disturbed surface areas, unpaved roads, open storage piles, and track out control.

SCAQMD Rule 403.1 (Supplemental Fugitive Dust Control Requirements for Coachella Valley Sources) further prohibits fugitive dust emission from man-made sources in the Coachella Valley. This rule requires the preparation of a Fugitive Dust Control Plan for any active construction operation with a disturbed surface area of more than 5,000 square feet that describes the best available control measures that will be used to control fugitive dust during active construction operations. It also requires that operations in the Coachella Valley Blowsand Zone stabilize new deposits of bulk materials from off-site undisturbed natural desert areas.

SCAQMD Rule 461 (Gasoline Transfer and Dispensing) applies to the transfer of gasoline from any tank truck, trailer, or railroad tank car into any stationary storage tank or mobile fueler, and from any stationary storage tank or mobile fueler into any mobile fueler or vehicle fuel tank. The rule prohibits transfer and dispensing of gasoline in equipment that does not meet CARB Phase I and Phase II vapor recovery requirements that provide between 95% and 98% control of gasoline vapors.

Rule 481 (Spray Coating Operations) imposes equipment and operational restrictions during construction for all spray painting and spray coating operations.

Rule 1108 (Cutback Asphalt) prohibits the sale or use of any cutback asphalt containing more than 0.5 percent by volume organic compounds which evaporate at 260°C (500°F) or lower.

Rule 1113 (Architectural Coatings) establishes maximum concentrations of VOCs in paints and other applications and establishes the thresholds for low-VOC coatings.

Rule 1143 (Consumer Paint Thinners and Multi-Purpose Solvents) prohibits the supply, sale, manufacture, blend, package or repackage of any consumer paint thinner or multi-purpose solvent for use in the SCAQMD unless consumer paint thinners or other multi-purpose solvents comply with applicable VOC content limits.

Rule 1301 (New Source Review) sets forth pre-construction review requirements for new, modified, or relocated facilities, to ensure that the operation of such facilities does not interfere with progress in attainment of the national ambient air quality standards, and that future economic growth within the SCAQMD is not unnecessarily restricted.

Rule 1401 (New Source Review of Toxic Air Contaminants) establishes limits for maximum individual cancer risk (MICR), cancer burden, and noncancer acute and chronic hazard index (HI) from new permit units, relocations, or modifications to existing permit units which emit toxic air contaminants. This rule establishes allowable risks for sources requiring new permits pursuant to Rules 201 or 203.

Rule 2202 (On-Road Motor Vehicle Mitigation Options) provides employers with options to reduce mobile source emissions generated from employee commutes. The rule applies to any employer who employs 250 or more employees on a full or part time basis at a worksite for a consecutive six-month period.

Rule 2305 (Warehouse Indirect Source Rule – Warehouse Actions and Investments to Reduce Emissions (WAIRE) Program) was adopted by the SCAQMD Governing Board on May 7, 2021, and sets forth requirements that regulated warehouse owners and operators must follow. Rule 2305 specifies that warehouse operators (for warehouses with an indoor floor space of 100,000 square feet or more and operate at least 50,000 square feet of that space for warehousing activities) must achieve a specified number of WAIRE Points (also referred to as the WAIRE Point Compliance Obligation, or WPCO) every year using either a menu of options, developing and implementing a custom plan, or paying a mitigation fee. Regardless of size, warehouse operators are required to submit a Warehouse Operations Notification (WON): 1) within 14 days of a new warehouse operator having access to at least 50,000 square feet of space for warehousing purposes, 2) within 30 days after a renovation that alters the size of the warehouse, or 3) within three days of a request from the SCAQMD. An Initial Site Information Report (ISIR) must also be submitted by an authorized official of the warehouse operator through the WAIRE Program Online Portal. No additional reporting is required in the ISIR if 1) the total square footage that may be used for warehousing activities in that facility is less than 100,000 square feet, or 2) the warehouse operator's lease does not allow them to use more than 50,000 square feet for warehousing activities.

3.2.8 CITY OF INDIO

3.2.8.1 General Plan

The Conservation Chapter and the Health and Equity Chapter of the General Plan contain the following policies related to air quality (City of Indio 2019):

- **CE-3.6 Zero Net Energy Use.** Implement building design requirements to achieve zero net energy use for new residential development by 2020 and zero net energy use for new commercial development by 2030 consistent with the California Public Utilities Commission's California Long Term Energy Efficiency Strategic Plan.
- **CE-3.8 Building Energy Use.** Encourage the use of building placement, design, and construction techniques to limit energy consumption, reduce the heat island effect, increase renewable energy use, and maintain solar access.

- **HE-3.1 Regional Air Quality Planning Efforts**. Participate in air quality planning efforts with local, regional, and State agencies that improve local air quality to protect human health and minimize the disproportionate impacts on sensitive population groups.
- **HE-3.3 Construction Pollution.** Reduce particulate emissions from paved and unpaved roads, construction activities, and agricultural operations.
- **HE-3.4 Sensitive-Receptor Uses.** Discourage development of sensitive land uses – defined as schools, hospitals, residences, and elder and childcare facilities – near air pollution sources that pose health risks – including freeways and polluting industrial sites.
- **HE-3.5 Truck Routes.** Designate truck routes to avoid sensitive land uses, where feasible.
- **HE-3.10 Lower-Emission Fuel Technologies.** Support collaboration between State, regional, and local agencies to continue transitioning goods movement and transit vehicles to lower-emission fuel technologies in order to reduce vehicle air pollution.

3.2.8.2 Municipal Code

The City of Indio Municipal Code establishes certain specific requirements for fugitive dust control, truck idling, employee vehicle trip reductions, construction hours, and grading/erosion control. Below is a summary of these requirements.

Title IX (General Regulations), Chapter 95A (Nuisances), Fugitive Dust Control: This code chapter (Code Sections 95A.131 to 95A.135) establishes minimum requirements for construction, demolition, and other sources to reduce man-made fugitive dust and corresponding PM_{10} emissions. In general, the minimum requirements include the use of one or more Best Available Control Measures, as identified in the Coachella Valley Fugitive Dust Control Handbook, to control fugitive dust from any potential dust-generating activity. For all fugitive dust sources subject to the code, no person shall cause or allow visible fugitive dust emission to exceed 20% opacity, extend more than 100 feet either horizontally or vertically from the origin of a source, or cross any property line. Additional requirements apply based on the size of a project, such as the need to prepare a Fugitive Dust Control Plan for any grading permit or building permit activity with a disturbed surface area of more than 5,000 square feet and the need to operate a water application system for dust generating activity on a site with a disturbed surface area greater than one acre. The code also establishes specific fugitive dust control requirements and performance standards for specific dust-generating activities, such as construction, demolition, and weed abatement activities, and specific fugitive dust sources such as disturbed vacant lands, unpaved roads, and unpaved parking lots.

Title IX (General Regulations), Chapter 95C (Noise Control): This code chapter (Code Sections 95C.01 to 95C.14) prohibits the operation of any motor vehicle with a gross vehicle weight rating in excess of 10,000 pounds, or any auxiliary equipment attached to such a vehicle, including but not limited to refrigerated truck compressors, for longer than 15 minutes in any hour while the vehicle is stationary and on a public right-of-way or public space, within 150 feet of a residential area between the hours of 7 PM and 7 AM.

Title XV (Land Usage), Chapter 151 (Buildings), Construction Related Regulations: This code section (Code Section 151.160) establishes permitted work hours for construction. The code sets forth that no person pursuant to a building permit shall construct, erect, alter, repair, add to, or improve any building, structure, road, or improvement to realty except between the hours set forth as follows:

Pacific Standard Time: Monday through Friday, 7 AM to 6 PM; Saturday, 8 AM to 6 PM; and Sunday and Government Code Holidays, 9 AM to 5 PM

Pacific Daylight Time: Monday through Friday, 6 AM to 6 PM; Saturday, 9 AM to 5 PM; and Sunday and Government Code Holidays, 9 AM to 5 PM

Title XV (Land Usage), Chapter 152 (Dust Control): This code chapter (Code Sections 152.01 to 152.99) establishes a duty to control dust. The code sets forth that the surface of the soil on any land in the City for shall not be disturbed for excavation, grading, or building construction without first providing adequate dust control upon the site, including water trucks during grading and sprinkler systems upon the completion of grading, and to provide for the control of dust until construction has been completed and surface of the soil is permanent stabilized.

Title XV (Land Usage), Chapter 160 (Transportation Demand Management): This code chapter (Code Sections 160.01 to 160.12) reduces pollution caused by vehicle trips and vehicle miles travelled by requiring all new development projects and or change of use projects that are estimated to employ at total of 100 or more persons to submit a Transportation Demand Management (TDM) Plan that reduces work related vehicle trips by 10% from the expected number of trips related to the project.

Title XV (Land Usage), Chapter 162 (Grading): This code chapter (Code Sections 162.010 to 162.999) regulates grading activities in the City and sets forth that no person shall conduct any grading, excavation, earth moving, filing, clearing, brushing, or grubbing on natural or existing grade, or perform work that is preparatory to grading, without first having obtained a valid grading permit, with certain exceptions. The code also requires identification of haul routes for grading projects including substantial earth material hauling and prohibits grading work between October 15 and the following April 15 when the Director of Public Works determines erosion, mudflow, or sediment of silt discharge may adversely affect downstream properties, drainages, streets, etc. unless an approved erosion control system has been implemented on the site. If required, the plans for the erosion control system shall be prepared and submitted for review and approval by the Director of Public Works by September 15 of each year and must include information on compliance with federal, state, and local regulations applicable to PM_{10} plans.

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4 AIR QUALITY IMPACT AND HEALTH RISK ANALYSIS

This chapter evaluates the direct and indirect air quality impacts that could result from implementation of the proposed Project.

4.1 THRESHOLDS OF SIGNIFICANCE

In accordance with Appendix G of the State CEQA Guidelines, the proposed Project could result in potentially significant impacts related to air quality if it would:

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

Consistent with the guidance contained in Appendix G of the State CEQA Guidelines, this Report relies upon SCAQMD-recommended methods and pollutant thresholds to evaluate whether the proposed Project would conflict with or obstruct implementation of an applicable air quality plan, result in a cumulatively considerable net increase of any criteria air pollutant for which the South Coast Air Basin (Coachella Valley Planning Area) is designated nonattainment, expose sensitive receptors to substantial pollutant concentrations, or result in other emissions adversely affecting a substantial number of people.

4.1.1 MASS DAILY THRESHOLDS FOR CRITERIA AIR POLLUTANTS

The SCAQMD's recommended regional mass daily thresholds of significance for criteria air pollutants are shown in Table 4-1.

Table 4-1: SCAQMD-Recommended CEQA Thresholds

Pollutant	Maximum Daily Emissions (lbs/day)	
	Construction	Operation
NO_X	100	55
VOC/ROG	75	55
PM_{10}	150	150
$PM_{2.5}$	55	55
SO_X	150	150
CO	550	550
Lead	3	3

Source: SCAQMD, 2023

4.1.2 LOCALIZED EMISSIONS THRESHOLDS

In addition to establishing thresholds of significance for regional emissions of criteria air pollutants on a regional level, the SCAQMD has also developed Localized Significance Thresholds (LSTs) that represent the maximum emissions from a project that are not expected to cause or contribute to an exceedance of the most stringent applicable Federal or State ambient air quality standards, which would result in significant adverse localized air quality effects. The LST methodology takes into account a number

of factors, including (1) existing ambient air quality in each SRA; (2) how many acres the project would disturb; and (3) how far project construction and operational activities would take place from the nearest sensitive receptor. Unlike the regional emission significance thresholds, LSTs have only been developed for NO_X, CO, PM_{10} and $PM_{2.5}$.

This Report evaluates the proposed Project's potential to expose sensitive receptors to substantial pollutant concentrations pursuant to the SCAQMD Final Localized Significance Thresholds Methodology (SCAQMD, 2008). This methodology provides screening tables for one through five-acre project scenarios. The construction and operational LSTs for a five-acre site in SRA 30 (Coachella Valley), the SRA in which the Project is located, are shown in Table 4-2.

Table 4-2: SCAQMD Localized Significance Thresholds for Source Receptor Area 30

Pollutant Monitored	Maximum Allowable Emissions (Pounds per Day) as a Function of Receptor Distance from Site Boundary				
	82 Feet (25 Meters)	164 Feet (50 Meters)	328 Feet (100 Meters)	656 Feet (200 Meters)	1,640 Feet (500 Meters)
FIVE-ACRE SITE					
Construction Thresholds					
Nitrogen Oxides (NO_x)	304	340	425	547	875
Carbon Monoxide (CO)	2,292	3,237	5,331	10,178	31,115
Particulate Matter (PM_{10})	14	44	67	112	248
Particulate Matter ($PM_{2.5}$)	8	11	19	37	128
Operational Thresholds					
Nitrogen Oxides (NO_x)	304	340	425	547	875
Carbon Monoxide (CO)	2,292	3,237	5,331	10,178	31,115
Particulate Matter (PM_{10})	4	11	16	27	60
Particulate Matter ($PM_{2.5}$)	2	3	5	9	31

Source: SCAQMD 2008

4.1.3 CO HOT SPOTS

Historically, to determine whether a project poses the potential for a CO hotspot, the quantitative CO screening procedures provided in the Transportation Project-Level Carbon Monoxide Protocol (the Protocol) were used (UCD ITS, 1997). Under the Protocol, a project may worsen air quality if the project increases the percentage of vehicles in cold start modes by two percent or more; significantly increases traffic volumes by five percent or more; or worsens traffic flow, defined for signalized intersections as increasing average delay at intersections operating at level of service (LOS) E or F or causing an intersection that would operate at LOS D or better without the project, to operate at LOS E or F. With new vehicles and improvements in fuels resulting in fewer emissions, the retirement of older polluting vehicles, and new controls and programs, CO concentrations have declined dramatically in California. As a result of emissions controls on new vehicles, the number of vehicles that can idle and the length of time that vehicles can idle before emissions would trigger a CO impact has increased, so the use of LOS as an indicator is no longer applicable for determining CO impacts.

The SCAQMD does not have a methodology for screening CO hotspots. However, the SCAQMD performed CO modeling as part of its 2003 AQMP at four busy intersections during morning and evening

peak hour periods. The busiest intersection studied in the analysis, Wilshire Boulevard and Veteran Avenue, had 8,062 vehicles per hour during morning peak hours, 7,719 vehicles per hour during evening peak hours, and approximately 100,000 vehicles per day. The 2003 AQMP estimated that the 1-hour CO concentration for this intersection was 4.6 ppm, which is less than a fourth of the 1-hour CAAQS CO standard (20 ppm) (SCAQMD, 2003a). For purposes of this Report, the proposed Project would have the potential for a CO hotspot if it would exceed the peak hour traffic volumes modeled by the SCAQMD in its 2003 AQMP (8,000 vehicles per hour, thereby having the potential to result in CO concentrations that exceed 1-hour State [20 ppm], 1-hour Federal [35 ppm], and/or State and Federal 8-hour [9 ppm] ambient air quality standards for CO.

4.1.4 TOXIC AIR CONTAMINANTS (TAC)

The SCAQMD's recommended TAC thresholds are shown in Table 4-3.

Table 4-3: SCAQMD Toxic Air Contaminant Thresholds

SCAQMD Threshold	Maximum Incremental Cancer Risk	Cancer Burder	Chronic and Acute Hazard Index
Carcinogenic and Non-carcinogenic TACs	≥ 10 in 1 million	> 0.5 excess cancer cases (in areas ≥ 1 in 1 million)	≥ 1.0 (project increment)

Source: SCAQMD, 2023

4.1.5 ODOR THRESHOLDS

The SCAQMD recommends that a lead agency evaluate potential odor impacts based on whether a project would have the potential to create an odor nuisance pursuant to SCAQMD Rule 402, which defines a nuisance as "quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property." SCAQMD Rule 402 excludes odors emanating from agricultural operations necessary for the growing of crops or the raising of fowl or animals from Ruel 402 nuisance provisions.

4.2 ANALYSIS METHODOLOGIES

The proposed Project would not directly result in the construction or operation of any specific project; however, the proposed Project's land use plan allows for new residential, commercial, industrial, and infrastructure development projects that could generate construction and operational emissions of criteria air pollutants and toxic air contaminants that could have the potential to adversely affect air quality conditions.

The proposed Project's construction and operational emissions were estimated using methods and data sources that are consistent with SCAQMD-recommended guidance and procedures. The following summarizes the proposed Project's emissions sources and the methods used to estimate and evaluate the Project's air quality impacts.

4.2.1 CRITERIA AIR POLLUTANT EMISSIONS ESTIMATES

4.2.1.1 Construction Emissions

MIG estimated the proposed Project's potential construction emissions using the California Emissions Estimator Model, or CalEEMod (Version 2022.1.1.20). Although future project-specific characteristics are not known, construction activities associated with typical residential, commercial,

industrial, and infrastructure development projects in undeveloped areas can include site preparation, grading, trenching, building construction (including foundation work, vertical building work, mechanical, electrical, and plumbing work, and finishing work), paving, and architectural coating activities.[3] These types of construction activities could generate emissions from the following sources:

- **Construction Equipment and Vehicle Trips:** Gasoline- and diesel-fuel combustion in on- and off-site, heavy-duty construction equipment, worker vehicle trips, vendor vehicle trips, and haul truck trips, which generate emissions of VOC, NO_X, CO, exhaust PM, and other pollutants. The age, type, amount, size, and activity hours of construction equipment use, as well as the associated number of workers, vendors, and haul trucks needed to construct a project, all influence the amount of exhaust emissions produced during construction.
- **Fugitive Dust:** Ground disturbance activities associated with grading, excavation, and other soil-disturbing activities generate fugitive dust and PM emissions. In addition, on- and off-site vehicle travel on paved and unpaved roads used to access the job site also generate fugitive dust and PM emissions. Emissions can occur from these activities not only occur during active earth disturbance operations but also when materials are being stockpiled, deposited into or out of haul trucks, etc. The silt content, moisture level, amount of equipment operations, volume of material moved, vehicle weight, and vehicle speed are all factors that affect fugitive dust emissions from construction activities. Dust control measures (e.g., site watering, application of stabilizers, etc.) reduce the potential for fugitive dust emissions from construction activities. .
- **Off-Gassing:** Surface coating and finishing (e.g., painting, waterproofing, etc.) and asphalt paving operations generate VOC emissions from off-gassing/evaporation of pollutants.

As described in Section 2.5.1, construction models were developed for the purposes of evaluating potential environmental impacts from Project-related construction activities, including air quality emissions. The construction models are based on the conceptual site plans and associated development assumptions for the Maximum Buildout Scenario (see Table 2-2 and Figure 2-3) and Scenario 2 (see Table 2-3and Figure 2-4).

The proposed Project's potential construction phases and schedule for each construction model were provided by the Applicant; the equipment usage for each construction model was developed using CalEEMod default assumptions. MIG modified certain default assumptions to reflect the following Project-specific characteristics:

- **Schedule:** The proposed Project is a programmatic guide to land use and development in the Project area, and the actual timing of future development projects would be subject to market conditions. As described in Section 2.5.1, the construction modeling conducted for the Project assumes concurrent construction in PA 1, PA 2, PA 3, and PA 4. This Report assumes construction would begin with mass grading of the approximately 183-acre Project area in 2025, followed by the installation of A Street and utility mains, and the construction of the IID substation. Site development for each subsequent construction model run was assumed to begin in May 2025 and proceed concurrently until project construction is completed in 2028, even though the Applicant anticipates that full development of the Project area would not occur

[3] The proposed Project would not require demolition activities because the Project area is not currently developed with any buildings or structures.

until 2033. Refer to Table 2-7 and Table 2-8 for construction model schedules for the Maximum Buildout Scenario and Scenario 2, respectively.

- **Demolition:** The demolition phase was removed from the model to reflect the fact the Project area is undeveloped and does not contain structures that require demolition or removal.
- **Soil Hauling**: The model was modified to include 2,525 cubic yards of total soil import hauling during the grading phase. The amount of hauling for each modeled scenario was apportioned based on the ratio of the modeled scenario size to the total Project area size. In addition, 6,000 cubic yards of material movement and 1,500 cubic yards of material movement were added to the "A" Street (road base and asphalt) and IID substation (aggregate) construction models, respectively.
- **Rule 403.1 Fugitive Dust Control for Coachella Valley:** The model was updated to reflect compliance with the watering requirements of SCAQMD Rule 403.1 and Indio Municipal Code Chapter 95A (Fugitive Dust Control) during construction activities.

Based on the above assumptions, the construction emissions analysis conducted for the proposed Project is likely to overestimate potential air quality impacts because:

- Modeling all construction scenarios with a 2025 start date results in substantial overlapping construction activities and the highest possible estimate of maximum daily emissions estimates. In actuality, the timing of individual development projects would likely be staggered, limiting overlap, which would result in lower daily emissions than identified in this Report.
- Modeling all construction scenarios with a 2025 start date results in emissions estimates based on construction fleet characteristics (e.g., equipment age, exhaust emission factors, etc.) for calendar years 2025 to 2028, the four earliest calendar years that construction could occur. In contrast, the Applicant anticipates that full development of the Project area would not occur until 2033. As construction equipment fleets turnover due to the breakdown of older equipment, general fleet attrition, or the need to comply with more stringent exhaust emission standards, construction emissions are expected to decrease over time. Thus, potential construction emissions in calendar year 2029, 2030, etc. would be lower than 2025 or 2028. Since the modeling conducted for this Report assumes all construction activities start and conclude as soon as possible, any construction activities occurring after 2028 would result in lower emissions estimates than identified in this Report.

4.2.1.2 Operational Emissions

Although future project-specific characteristics are not known, operational activities associated with typical residential, commercial, industrial, and infrastructure development projects can generate emissions from the following sources:

- **Small "area" sources** including landscaping equipment and the use of consumer products such as paints, cleaners, and fertilizers that result in the evaporation of chemicals to the atmosphere during product use.
- **Energy use** in the form of natural gas combustion for building water and space heating needs.
- **Mobile sources** including trips made to and from the site by new residents, visitors, customers, employees, and truck trips.

- **Off-road sources** such as forklifts used to move materials within the buildings and yard hostelers use to load and unloads goods into and out of trucks.
- **Stationary sources** could include commercial or industrial equipment such as large boilers, restaurant charbroilers, emergency generators, and fuel storage, transfer, and dispensing equipment. These sources can emit a variety of pollutants dependent on the specific equipment application and source.

MIG estimated the proposed Project's potential area, energy, mobile source, and off-road (except yard hostler) l operational emissions using CalEEMod (Version 2022.1.1.20); diesel yard hosteler emissions were estimated using CARB's Emission Factor 2021 database (EMFAC2021), Version 1.0.2. Emission factors for Type T7, Public Class 8 trucks were extracted, in grams per mile (g/mi), and multiplied by the estimated on-site mileage traveled per day for each hosteler.

MIG estimated stationary source emissions for a conceptual 16-pump fueling station only; all other stationary sources are considered speculative. MIG estimated fugitive VOC emissions from the retail fuel dispensing facility using CARB and SCAQMD emission factor information.[4] Emissions were estimated for fuel loading, tank breathing, refueling, spillage, and hose permeation activities.

Like construction emissions, the proposed Project's potential operational activities were developed using CalEEMod default assumptions, modified to reflect the following Project-specific characteristics:

- **Area Sources:** Woodstoves and wood-burning fireplaces were removed pursuant to SCAQMD Rule 445. The default quantity of wood-burning fireplaces that was removed was added to the default quantity of natural gas fireplaces assumed by CalEEMod.
- **Mobile Sources:** Mobile source operations were modified to be consistent with the proposed Project's TIA and VMT analyses (LLG, 2023a and 2023b):
    - **Trip Generation Rates:** The CalEEMod default weekday and weekend trip generation rates for each modeled land use type (e.g., low-rise apartments, strip retail, etc.) were modified to be consistent with the values used in the proposed Project's TIA (see Table 2-4 and Table 2-5).
    - **Trip Type:** The CalEEMod default primary, diverted, and pass by trip percentages were modified to reflect the internal capture (assumed to be diverted) and pass by trip percentages from the proposed Project TIA**.**
    - **Residential and Industrial Employee Trip Distances:** Residential and industrial employee trip distances were modified to reflect the specific residential VMT/capita (9.6 miles/capita) and VMT/employee (18.3 VMT/employee) rates in the proposed Project's VMT analysis.

[4] Gasoline dispensing facilities are subject to CARB's Phase 1 and Phase 2 vapor recovery systems that control and reduce potential fugitive VOC emission. In addition, gasoline dispensing facilities are subject to SCAQMD permitting requirements pursuant SCAQMD Rule 461, Gasoline Transfer and Dispensing. Fugitive gasoline dispensing facility VOC emissions were estimates using the emission factor information in Table X-1 of the SCAQMD's Risk Assessment Procedures for Rules 1401, 1401.1, and 212 (SCAQMD, 2017b). See Appendix B for VOC emissions estimates.

- **Industrial Truck Trip Distance:** Truck trips were assumed to have an average trip distance of 32.2 miles, consistent with SCAQMD recommendations.[5]
- **Industrial Truck Trip Types:** The default industrial truck mix was updated to match the trip types identified in the Project's TIA. Trucks were assumed to be a blend of light-heavy duty trucks (LHDT1/2) trucks (2-axle), medium-heavy duty trucks (MHDT) trucks (3-axle), and heavy-heavy duty trucks (HHDT; see Table 2-4 and Table 2-5).

- **Off-Road Equipment:** A total of 8 diesel yard hostelers (4 at each industrial building) and 217 electric forklifts were added to the modeling, consistent with the warehouse average forklift/pallet jacks per 1,000 square feet determined in the SCAQMD high-cube warehouse survey (SCAQMD 2014).
- **Stationary Sources:** The 16-pump fueling station was assumed to have up to 2 million gallons of gasoline fuel dispensing operations. Although actual fuel sales would be subject to market conditions, diesel fuel dispensing would not contribute to fugitive emissions because diesel fuel does not readily volatilize.[6]

4.2.2 TOXIC AIR CONTAMINANT (TAC) EMISSIONS ESTIMATES

The proposed Project's potential construction and operational activities could emit certain TACs. Although future project-specific characteristics are not known, construction and operational activities associated with operational activities associated with typical residential, commercial, industrial, and infrastructure development projects can generate the following TAC emissions:

- **Construction DPM.** The construction of the proposed Project would result in DPM emissions from the use of diesel-fueled construction equipment, vendor truck trips, and haul truck trips.
- **Operational DPM.** Once operational, most of the industrial truck trips that access the Project area would generate DPM emissions. This Report only estimates DPM emissions from industrial land uses because these uses are expected to generate a high volume of truck trips (more than 1,700 total truck trips per day per the TIA prepared for the proposed Project). In contrast, the commercial development identified for the Maximum Buildout Scenario and Scenario 2 would not generate a substantial number of diesel-fueled truck trips (less than 100 total truck trips per day per CalEEMod estimates).
- **Fugitive Gasoline TACs.** The release of fugitive gasoline storage, transfer, and dispensing emissions would include TACs such as benzene, ethylbenzene, naphthalene and other TACs.

Other sources of potential TAC emissions could include emissions from gasoline-powered passenger cars and other light-duty vehicles travelling to and from the Project area. These TAC emissions were not estimated because they are emitted in much smaller quantities than DPM, would occur in a much

[5] The average trip length for heavy trucks by vehicle class is based on the staff report during the development of the SCAQMD Rule 2305. SCAQMD's "Second Draft Staff Report Proposed Rule 2305 – Warehouse Indirect Source Rule – Warehouse Actions and Investments to Reduce Emissions (WAIRE) Program and Proposed Rule 316 – Fees for Rule 2305" cites a 15.3, 14.2, and 39.9-mile trip length for heavy-heavy trucks of Class 2b-3, Class 4-7, and Class 8, respectively (SCAQMD, 2021d). A weighted average was taken based on the vehicle type percentage in the proposed Project's TIA.

[6] CARB estimates that approximately 96% of gasoline dispensing facilities in the state have a throughput of 2.4 million gallons per year or less (CARB, 2005).

larger geographic area (i.e., emissions would not occur from a defined area such as a loading dock), and are not anticipated to substantially contribute to adverse health risk effects.

4.2.2.1 Construction DPM Emissions

MIG estimated construction DPM emissions using the same CalEEMod methodology and assumptions described for construction criteria air pollutant emissions (see Section 4.2.1.1). This Report assumes that 100% of the PM_{10} exhaust emissions from construction off-road equipment, vendor delivery trucks, and haul trucks is DPM. This assumption likely overestimates potential construction DPM emissions because a small fraction of the PM_{10} exhaust estimated by CalEEMod would not be emitted from diesel-fueled vehicles.

4.2.2.2 Operational DPM Emissions

MIG estimated the proposed Project's potential DPM emissions from on-site and off-site sources as follows:

- **On-Site Industrial Truck Travel and Idling:** On-site industrial truck travel and idling emissions of DPM were estimated using CARB's EMFAC2021 database, Version 1.0.2) and Project-specific industrial truck trip data contained in the TIA (see Table 2-4 and Table 2-5). LHDT1/2, MHDT, and HHDT running and idling PM_{10} emission factors for Year 2026 were generated using EMFAC2021.[7] EMFAC2021 was run at 10 miles per hour (MPH) using an aggregate of model years to generate the emissions factors for on-site truck travel. The EMFAC-generated emission factors were then weighted by the truck trip percentages identified in the TIA prepared for the Project and shown in Table 2-4 and Table 2-5 to yield a single, weighted average composite emission factor for on-site truck travel and on-site truck idling. The resulting composite emission factor for truck travel, in g/mi, was then multiplied by the total travel distance for each modeled source the truck trip was assumed to pass through (based on the truck trip distribution percentages contained in the TIA prepared for the Project). Truck idling emission rates were also aggregated over multiple model years. The composite emission factor for idling trucks, in grams per vehicle-day, was then multiplied by the number of idling trucks per day and the total amount of idling time per truck. Although State law limits idling to five minutes per location, total idling emission were estimated based on 15 minutes of total on-site idling per truck per day.
- **On-Site Yard Hosteler Activity:** On-site yard hostler DPM emissions were estimated using the same OFFROAD methodology and assumptions as described for the operational criteria air pollutant emissions modeling (see Section 4.2.1.2). This Report assumes that 100% of the PM_{10} exhaust from the hosteler is DPM.
- **Off-Site Industrial Truck Travel:** Off-site truck travel DPM emissions were estimated using the same methodology as on-site truck travel, except EMFAC was run for 25 MPH, 40 MPH, and 55 MPH to reflect vehicle travel on Avenue A (25 MPH), Monroe Street (40 MPH), and I-10 (25 MPH for on ramps and 55 MPH for mainline segments). The resulting composite emission factor for truck travel, in g/mi, was then multiplied by the total length of each modeled road

[7] In actuality, emissions will decrease in the future due to regular vehicle turnover and improvements in emissions technologies. If construction and operation of the proposed Project were to be delayed, the emissions factors included in this Report would provide a worst-case scenario, as emissions rates improve (i.e., decrease) as newer, cleaner, and more efficient model years become available.

segment the truck trip was assumed to ravel through (based on the truck trip distribution percentages contained in the TIA prepared for the Project).

4.2.2.3 Fugitive Gasoline TACs

MIG estimated fugitive gasoline TAC emissions using the same SCAQMD methodology as the l fugitive gasoline criteria air pollutant emissions modeling (see Section 4.2.1.2).

4.2.3 HEALTH RISK ASSESSMENT

MIG used the U.S. EPA's AERMOD dispersion model (Version 21112) to predict construction- and operations-related ground level DPM concentrations at sensitive receptors inside and within one-quarter mile of the Project area. The AERMOD dispersion model is an U.S. EPA-approved and SCAQMD-recommended model for simulating the dispersion of pollutant emissions and estimating concentrations of pollutants at specified receptor locations. AERMOD requires the user to input information on the source(s) of pollutants being modeled, the receptors where pollutant concentrations are modeled, and the meteorology, terrain, and other factors that affect the potential dispersion of pollutants.

Cancer risk and non-cancer health risks to sensitive receptors were estimated using assumptions consistent with the recommendations contained in the SCAQMD's Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Emissions white paper and Supplemental Guidelines for Preparing Risk Assessments for the Air Toxics Hot Spots Information and Assessment Act, as well as the OEHHA Air Toxics Hot Spots Program Guidance Manual (SCAQMD 2003, SCAQMD 2020, OEHHA 2015).

4.2.3.1 Construction DPM Modeling

The proposed Project's construction DPM modeling variables are summarized below. Refer to Appendix B for detailed information on AERMOD input assumptions including tables summarizing source geometry and emissions rates and graphics showing modeled source locations.

- **Dispersion Controls:** AERMOD was run using default regulatory options. The pollutant type modeled was PM_{10} with an averaging time set for a single five-year period based on the meteorological data set incorporated into the model (see below) and urban dispersion coefficients applied.
- **Construction Source Parameters:** The source parameters used to model construction PM_{10} emissions were as follows:
    - Maximum Buildout Scenario: On-site construction activities were modeled as a series of area sources. In total, 43 area sources were modeled for the estimated four years of construction, consisting of 20 sources for Year 1, 12 sources for Year 2, 10 sources for Year 3, and 1 source for Year 4. Construction area sources had a release height of 5 meters. Off-site construction activities were modeled as a series of line areas sources. In total, 17 line area sources were modeled for the estimated four years of construction, consisting of 8 sources for Year 1, 6 sources for Year 2, 2 sources for Year 3, and 1 source for Year 4. Line area sources had a release height of 4.12 meters.
    - Scenario 2: On-site construction activities were modeled as a series of area sources. In total, 45 area sources were modeled for the estimated four years of construction, consisting of 21 sources for Year 1, 13 sources for Year 2, 10 sources for Year 3, and 1 source for Year 4. Construction area sources had a release height of 5 meters. Off-site construction activities were modeled as a series of line areas sources. In total, 19 line area sources were modeled

for the estimated four years of construction, consisting of 9 sources for Year 1, 7 sources for Year 2, 2 sources for Year 3, and 1 source for Year 4. Line area sources had a release height of 4.12 meters.

- **Construction Source Emission Rates:** The annual PM_{10} exhaust emissions estimated to be generated by each modeled construction source were converted to an average emissions rate, in grams per second (g/s) and then converted to an average emissions rate in grams per second per square meter ($g/s/m^2$), based on the activity occurring in each source, potential construction work times, and the size of the modeled source. Construction emissions were assumed to occur between the hours of 7 AM and 6 PM as allowed by the Indio Municipal Code (see Section 3.2.8.2). Thus, source emissions rates were derived based on a total of 4,004 potential active construction hours per year.
- **Receptors**: Four separate receptor grids were developed to predict ground level pollutant concentrations at sensitive receptor locations inside and within approximately 800 feet to 2,200 feet surrounding the Project area boundary. The grids were then converted to discrete Cartesian receptors, yielding 3,754 total discrete, ground level receptors.
- **Meteorology:** AERMOD-ready meteorological data for the Desert Hot Springs meteorological station was obtained from the SCAQMD for the five-year period January 1, 2012, to December 31, 2016 (see Figure 3-1).
- **Terrain:** AERMAP was used to import terrain from the National Elevation Dataset (NED; 1/3 arcsecond resolution) into the modeling domain.

4.2.3.2 Operational DPM Modeling

The operational DPM modeling applied the same dispersion control, receptor, meteorology, and terrain inputs as the construction DPM modeling; however, the proposed Project's operational source parameters, including emission rates and emissions profiles, were different as summarized below. Refer to Appendix B for detailed information on AERMOD input assumptions including tables summarizing operational source geometry and emissions rates and graphics showing modeled operational source locations.

- **Operational Source Parameters:** The source parameters used to model operational PM_{10} emissions were as follows:
  - On-site industrial operational activities were modeled as a series of volume sources and line area sources. Forty (40) volume sources were modeled at the docks for truck idling, 97 volume sources were modeled for on-site truck travel to and from the truck docks, and six (6) line area sources were modeled for truck travel along "A" Street. Volume sources and line area sources had a release height of 4.12 meters. Volume sources attributed to Southwest Industrial Building 1 had a σZ value of 9.92 and volume sources attributed to Southeast Industrial Building 2 had a σZ value of 14.18.
  - On-site commercial operational activities were modeled as a series of volume sources.Four (4) volume sources were modeled at the commercial buildings for truck idling and 2 line area sources were modeled for truck travel along "A" Street. Volume sources attributed to commercial activity had a σZ value of 14.18.
  - Off-site operational activities were modeled as a series of line area sources. A total of 21 line area sources were modeled, were modeled, accounting for industrial truck traffic on

Monroe Street and the I-10 and commercial truck traffic on Avenue 42, Monroe Street, and I-10. Line area sources had a release height of 4.12 meters.

- **Operational Source Emission Rates:** The PM_{10} exhaust emissions estimated to be generated per mile for traveling trucks and per vehicle-day for idling trucks using EMFAC2021 were converted to an average emissions rate, in grams per second (g/s) and then converted to an average emissions rate in grams per second per square meter ($g/s/m^2$), based on the estimated number of trips and the size of the modeled source. Industrial and commercial truck trips were assumed to occur 24 hours a day.

4.2.3.3 Operational Fugitive Gasoline TAC Screening Analysis

MIG estimated potential adverse health risks resulting from fugitive gasoline vapors generated by the proposed Project's potential retail fueling stations using the SCAQMD's Risk Tool for Gasoline Dispensing Service Stations, version 1.105 (see Appendix C).

4.2.3.4 Cancer Risk

Cancer risk is the calculated, pollutant-specific estimated probability of developing cancer based upon the dose and exposure to the TAC. Cancer risk is determined by calculating the combinatory effects of the cancer potency factor (CPF) when inhaling the toxic, the daily inhalation dose, the age group the receptor is cohort to, the duration of exposure (30 years) over a lifetime (70 years), and other factors such as age sensitivity and the amount of daily and annual time spent at the location of exposure. For the proposed Project, risks were assessed for the inhalation pathway (i.e., breathing) for residential receptors over a 30-year exposure duration.[8] Cancer risk equations for residential receptors are summarized in Table 4-4 and Table 4-5.

Cancer risk was assessed for each of the following specific age groups: 3rd trimester, 0 to 2 years (infant), 2 to 9 years (child), 2 to 16 years (child), 16 to 30 years (adult), and 16 to 70 years. The risk assessment assumes the modeled receptor starts in one age group and proceeds to another age group as time passes. For example, the risks to 3rd trimester and infant receptors are estimated using these age group variables, respectively (e.g., ASF, DBR, etc.), for the first two years of exposure; however, in the third year of exposure this receptor type would have moved into the 2 to 9 years old child age group. In contrast, the risks to a fully grown adult receptor are estimated using only the adult variables.

For the proposed Project, modeled receptors were assessed for exposure to construction and operational PM_{10} emissions for 4 and 26 years, respectively, over a 30-year continuous exposure duration. This is consistent with the construction schedule described in Section 4.2.1.1.

[8] OEHHA has not established cancer risk values for diesel exhaust based on the ingestion or dermal pathways. Therefore, only the inhalation pathway is evaluated with regard to this TAC.

Table 4-4: Cancer Risk Equations	
Equation 1 - Residential Risk:	$RISK_{INH.RES} = DOSE_{AIR.RES} \times CPF \times ASF \times \frac{ED}{AT} \times FAH$
Where:	
$DOSE_{AIR}$ =	Daily Inhalation Dose (mg/kg-day). See Table 4-5.
CPF =	Cancer Potency Factor for Inhalants (mg/kg-day). CPF is expressed as the 95th percent upper confidence limit of the slope of the dose response curve under continuous lifetime exposure conditions. The CPF for diesel exhaust is 1.1 mg/kg-day.
ASF =	Age Sensitivity Factor. ASF is a protective coefficient intended to take into account increased susceptibility to long-term health effects from early-life exposure to TACs. The recommended ASFs are 10 for the third trimester to birth and two-year age bins, three for the two-year to nine-year and 16-year age bins, and one for receptors over 16 years of age.
ED =	Exposure Duration (years). Exposure duration characterizes the length of residency for the residential (30 years) and student (6 years) receptor.
AT =	Averaging Time (years). A 70-year (lifetime) averaging time is used to characterize to total risk as a factor of average risk over a typical lifespan.
FAH =	Fraction at Home. FAH is the percentage of time the receptor is physically at the receptor location. The recommended percentages are 85 percent for the third trimester to birth and two-year age bins, 72 percent for the two-year to nine-year and 16-year age bins, and 73 for receptors over 16 years of age. For this analysis, the FAH was set to 1 for the third trimester to birth, birth to two-year, and two-year to 16-year age bins.

Table 4-5: Inhalation Dose Equations	
Residential Dose	$DOSE_{AIR.RES} = C_{AIr} \times \frac{BR}{BW} \times A \times EF \times 10^{-6}$
Where:	
C_{AIR} =	Concentration of TAC in air (µg/m^3). Concentration of toxic in micrograms per one cubic meter of air. The AERMOD program is used in the study to determine concentrations of diesel particulate matter at surrounding discrete and grid receptor points.
BR/BW =	Breathing Rate ÷ Body Weight (L/kg/day). Daily breathing rate normalized to body weight. The 95th percentile breathing rate to body weight ratios are used in this study with a recommended 361 L/kg/day for the third-trimester to birth age bin, 1,090 L/kg/day for the birth to two-years age bin, 572 for the two-years to 16-years age bin, 261 L/kg/day for the 16-years to 30-years age bin, and 233 L/kg/day for the 16-years to 70-years age bin.
A =	Inhalation Absorption Factor. Is a coefficient that reflects the fraction of chemical absorbed in studies used in the development of CPF and Reference Exposure Levels (RELs). An absorption factor of one is recommended for all chemicals.
EF =	Exposure Frequency. EF is the ratio of days in a year that a receptor is receiving the dose. The recommended EF is 0.96 characterizing an assumed 350 days a year that a residential receptor is home for some portion of the day.

4.2.3.5 Non-Cancer Risk

The chronic non-cancer hazard quotient is the calculated pollutant-specific indicator for risk of developing an adverse health effect on specific organ system(s) targeted by the identified TAC, in this DPM. The potential for exposure to result in chronic non-cancer effects is evaluated by comparing the estimated annual average air concentration to the chemical-specific, non-cancer chronic RELs. The REL is

a concentration below which there is assumed to be no observable adverse health impact to a target organ system. When calculated for a single chemical, the comparison yields a ratio termed a hazard quotient. To evaluate the potential for adverse chronic non-cancer health effects from simultaneous exposure to multiple chemicals, the hazard quotients for all chemicals are summed, yielding a hazard index. The chronic REL for DPM was established by OEHHA as 5 µg/m^3. For an acute hazard quotient, the one-hour maximum concentration is divided by the acute REL for the substance; however, there is no acute REL for DPM. Non-cancer risk equations are summarized in Table 4-6.

Table 4-6: Non-Cancer Risk Equation	
Chronic Hazard Quotient:	$HI_{DPM} = \frac{C_{DPM}}{REL_{AAC}}$
Where:	
HI_{DPM} =	Hazard Index; an expression of the potential for non-cancer health effects.
C_{DPM} =	Annual average DPM concentration (µg/m^3).
REL_{DPM} =	REL for DPM; the DPM concentration at which no adverse health effects are anticipated.

4.3 CONSISTENCY WITH THE APPLICABLE AIR QUALITY PLAN

As described in Section 3.1, the proposed Project is within the Coachella Valley Planning Area, which is under the jurisdiction of the SCAQMD. Air quality in the Coachella Valley is governed by the 2002 and 2003 Coachella Valley PM_{10} State Implementation Plan (CVSIP) and the 2022 Air Quality Management Plan (AQMP). The Project would comply with requirements in the CVSIP through the implementation of SCAQMD's Rule 403.1 (see Section 3.2.7.3) and the Indio Municipal Code (see Section 3.2.8.2). Therefore, the Project would not conflict with the CVSIP.

Pursuant to the methodology provided in Chapter 12 of the SCAQMD *CEQA Air Quality Handbook*, consistency with the AQMP is affirmed if the Project:

1) Is consistent with the growth assumptions in the AQMP; and
2) Does not increase the frequency or severity of an air quality standards violation, or cause a new one.

Consistency Criterion 1 refers to the growth forecasts and associated assumptions included in the AQMP. Projects that are inconsistent with the AQMP growth assumptions would interfere with attainment of air quality standards because this growth would exceed the growth included in the projections used to formulate the AQMP. The comparison of the AQMP's and the proposed Project's potential population and employment growth projections is provided in Table 4-7.

As shown in Table 4-7, the proposed Project would fit within the overall population and employment growth the 2022 AQMP forecasts to occur in the City 2045, but could constitute a sizeable proportion of the growth allocated to the city. Nonetheless, the proposed Project would not exceed the growth assumptions contained in the AQMP.

Consistency Criterion 2 refers to the CAAQS. In developing its CEQA significance thresholds, the SCAQMD considered the emission levels at which a project's individual emissions would be cumulatively considerable (SCAQMD, 2003; page D-3). As described below in Section 4.4, the proposed Project would generate construction and operational emissions that exceed SCAQMD criteria air pollutant thresholds for regional emissions even within the incorporation of feasible mitigation measures that reduce construction

and operational emissions (see Section 4.4.1.3 and Section 4.4.2.1). The proposed Project, therefore, would result in significant and unavoidable increases in criteria air pollutants, including nonattainment ozone precursor and PM_{10} pollutants, that could lead to increases in the frequency or severity of an air quality standards violation.

For the reasons described above, the proposed Project would not conflict with the CVSIP, but could conflict with the 2022 AQMP. This is considered a **significant and unavoidable impact.**

Table 4-7: Comparison of 2022 AQMP and Proposed Project Growth Projections

Planning Scenario	Population Growth	Employment Growth
AQMP/2020 RTP/SCS	41,200(A)	11,700(A)
AQMP/Coachella Valley Planning Area	227,595(B)	-
Maximum Buildout Scenario	10,465(C)	3,481(C)
Scenario 2	3,996(D)	3,690(D)

Source: SCAG, 2020; SCAQMD, 2022, and MIG, 2023 (see Appendix A)

(A) The SCAG 2020 RTP/SCS, which formulates the growth projections on which the 2022 AQMP are based, estimated that Indio would increase population by approximately 41,200 people between 2016 and 2045, a growth rate of approximately 1,421 people per year (SCAG, 2020). The 2020 RTP/SCS also estimated the City would increase employment by approximately 11,700 jobs between 2016 and 2045, a growth rate of approximately 403 new jobs per year during that time period.

(B) The 2022 AQMP included population projections for Coachella Valley, which estimated that population would increase approximately by 227,595 in Coachella Valley from 2018 to 2045, a growth rate of approximately 8,429 people for year.

(C) Maximum Buildout Scenario and Scenario 2 population estimated using CalEEMod and assume 3.23 people per dwelling unit.

(D) Maximum Buildout Scenario and Scenario 2 employment estimated using the city employment values contained in Municipal Code Title XV, Section 160.04 (see Section 3.2.8.2)

4.4 INCREASES IN NONATTAINMENT CRITERIA AIR POLLUTANTS

4.4.1 REGIONAL CONSTRUCTION EMISSIONS

As described in Section 4.2.1.1, the proposed Project's potential construction emissions are based on a series of individual construction models. The emissions estimates for each individual model run and potential combined, overlapping model runs are summarized below.

4.4.1.1 Individual Construction Model Run Emissions

The potential maximum unmitigated regional construction emissions, in pounds per day (lbs/day), are summarized for each construction model in Table 4-8 for general site development models (mass grading, A Street, and IID Substation), Table 4-9 for the specific Maximum Buildout Scenario models, and Table 4-10 for the specific Scenario 2 models. Refer to Appendix A for CalEEMod output files and detailed emissions estimates by construction model (e.g., 01 Mass Grading, 02 "A" Street, etc.), phase (e.g., site preparation, building construction, etc.), and year.

Table 4-8: Unmitigated Construction Maximum Daily Regional Emissions by Model and Phase – General Site Development

Construction Model and Phase	Maximum Daily Regional Emissions (lbs/day)[A]					
	VOC	NOx	CO	SO_2	PM_{10}[B]	$PM_{2.5}$[B]
01 Mass Grading						
Site Preparation	11.3	79.0	84.3	0.3	59.9	10.7
Grading	11.3	78.3	87.2	0.3	6.4	3.9
Dust Control	7.9	47.2	55.0	0.2	2.3	1.7
02 "A" Street						
Site Preparation	4.1	43.7	43.6	0.2	59.4	7.8
Utility Installation	3.1	25.8	29.4	0.1	2.1	1.1
Paving	1.5	13.3	16.8	0.0	1.3	0.7
03 IID Substation						
Site Preparation	1.4	14.4	13.2	0.1	43.1	4.9
Building Construction	1.4	11.5	13.0	0.0	0.5	0.4
Paving	0.8	6.6	9.8	0.0	0.5	0.3
Architectural Coating	33.0	0.9	1.2	0.0	0.0	0.0
SCAQMD CEQA Threshold	**75**	**100**	**550**	**150**	**100**	**55**
Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Source: MIG 2023 (see Appendix A)

(A) The data presented is the single highest daily emissions estimate for the listed phase. Maximum daily site preparation emissions occur in 2025. Maximum daily building construction, paving, and architectural coating emissions may occur in 2025, 2026, 2027, or 2028. Refer to Appendix A for detailed daily emissions by model, phase, and year.

(B) PM_{10} and $PM_{2.5}$ values are total emissions. Refer to Appendix A for component exhaust and dust emissions levels.

Table 4-9: Unmitigated Construction Maximum Daily Regional Emissions by Model and Phase – Maximum Buildout Scenario

Construction Model and Phase	Maximum Daily Regional Emissions (lbs/day)[A],[B]					
	VOC	NOx	CO	SO_2	PM_{10}[C]	$PM_{2.5}$[C]
04 PA4 Industrial Southwest						
Site Preparation	5.5	44.0	46.2	0.1	15.5	5.2
Building Construction	5.2	29.7	62.6	0.1	6.9	2.3
Paving	5.2	18.5	24.5	0.1	1.1	0.7
Architectural Coating	**277.4**	1.2	4.8	0.0	1.0	0.2
05 PA5 Industrial Southeast						
Site Preparation	5.4	43.5	45.7	0.1	15.5	5.2
Building Construction	5.3	29.9	65.9	0.1	7.5	2.4
Paving	4.8	18.1	24.0	0.1	1.1	0.7
Architectural Coating	**302.4**	1.3	5.1	0.0	1.1	0.3
06 MBS PA1 Northwest Residential						
Site Preparation	4.7	39.6	41.1	0.1	13.9	4.9
Building Construction	7.2	27.9	106.8	0.1	13.3	3.7
Paving	4.2	14.0	20.4	0.1	0.8	0.6
Architectural Coating	**253.9**	1.6	15.5	0.0	2.3	0.6
07 MBS PA1 Northeast and PA2 Mixed-Use						
Site Preparation	5.0	41.3	43.1	0.1	14.7	5.0
Building Construction	9.1	33.0	138.0	0.1	17.7	4.8
Paving	4.1	14.5	22.1	0.1	0.9	0.6
Architectural Coating	**187.1**	1.7	19.2	0.0	3.1	0.7
08 MBS PA3 Residential						
Site Preparation	3.8	34.2	34.7	0.1	12.3	4.6
Building Construction	3.1	16.1	44.1	0.0	4.7	1.5
Paving	2.2	9.5	14.2	0.0	0.6	0.4
Architectural Coating	**126.4**	1.1	6.3	0.0	0.8	0.2
SCAQMD CEQA Threshold	**75**	**100**	**550**	**150**	**100**	**55**
Threshold Exceeded?	**Yes**	**No**	**No**	**No**	**No**	**No**

Source: MIG 2023 (see Appendix A)

(A) The data presented is the single highest daily emissions estimate for the listed phase. Maximum daily site preparation emissions occur in 2025. Maximum daily building construction, paving, and architectural coating emissions may occur in 2025, 2026, 2027, or 2028. Refer to Appendix A for detailed daily emissions by model, phase, and year.

(B) **Bold** font indicates emissions estimate exceeds SCAQMD-recommended CEQA threshold.

(C) PM_{10} and $PM_{2.5}$ values are total emissions. Refer to Appendix A for component exhaust and dust emissions levels.

Table 4-10: Unmitigated Construction Maximum Daily Regional Emissions by Model and Phase – Scenario 2

Construction Model and Phase	Maximum Daily Regional Emissions (lbs/day)[A],[B]					
	VOC	NOx	CO	SO_2	PM_{10}[C]	$PM_{2.5}$[C]
04 PA4 Industrial Southwest						
Site Preparation	5.5	44.0	46.2	0.1	15.5	5.2
Building Construction	5.2	29.7	62.6	0.1	6.9	2.3
Paving	5.2	18.5	24.5	0.1	1.1	0.7
Architectural Coating	**277.4**	1.2	4.8	0.0	1.0	0.2
05 PA5 Industrial Southeast						
Site Preparation	5.4	43.5	45.7	0.1	15.5	5.2
Building Construction	5.3	29.9	65.9	0.1	7.5	2.4
Paving	4.8	18.1	24.0	0.1	1.1	0.7
Architectural Coating	**302.4**	1.3	5.1	0.0	1.1	0.3
09 S2 PA1 Northwest Residential						
Site Preparation	4.7	39.6	41.1	0.1	13.9	4.9
Building Construction	4.2	21.8	52.8	0.1	5.3	1.8
Paving	4.3	14.0	20.4	0.1	0.8	0.6
Architectural Coating	**109.4**	1.1	6.4	0.0	0.9	0.2
10 S2 PA1 Northeast Residential						
Site Preparation	4.8	40.1	41.8	0.1	14.6	5.0
Building Construction	5.6	25.1	77.9	0.1	9.0	2.7
Paving	3.6	13.6	20.8	0.1	0.8	0.5
Architectural Coating	**101.6**	1.3	9.9	0.0	1.5	0.4
11 S2 PA2 Commercial						
Site Preparation	3.6	32.9	33.3	0.1	12.2	4.5
Building Construction	1.3	11.7	14.8	0.0	0.6	0.5
Paving	1.7	7.4	12.1	0.0	0.6	0.3
Architectural Coating	8.8	0.9	1.2	0.0	0.0	0.0
12 S2 PA3 Commercial						
Site Preparation	3.8	34.2	34.7	0.1	12.3	4.6
Building Construction	2.1	14.9	25.6	0.0	2.2	0.9
Paving	1.8	9.5	14.2	0.0	0.6	0.4
Architectural Coating	**116.2**	1.0	2.9	0.0	0.3	0.1
SCAQMD CEQA Threshold	**75**	**100**	**550**	**150**	**100**	**55**
Threshold Exceeded?	**Yes**	**No**	**No**	**No**	**No**	**No**

Source: MIG 2023 (see Appendix A)

(A) The data presented is the single highest daily emissions estimate for the listed phase. Maximum daily site preparation emissions occur in 2025. Maximum daily building construction, paving, and architectural coating emissions may occur in 2025, 2026, 2027, or 2028. Refer to Appendix A for detailed daily emissions by model, phase, and year.

(B) **Bold** font indicates emissions estimate exceeds SCAQMD-recommended CEQA threshold.

(C) PM_{10} and $PM_{2.5}$ values are total emissions. Refer to Appendix A for component exhaust and dust emissions levels.

As shown in Table 4-8, the unmitigated maximum daily regional emissions estimates for each individual general site development model would not exceed any SCAQMD-recommended regional emissions threshold. In contrast, as shown in Table 4-9 and Table 4-10, the unmitigated maximum daily regional emissions estimates for all individual Maximum Buildout Scenario and Scenario 2 construction models would not exceed SCAQMD-recommended regional emissions thresholds for NO_X, CO, SO_2, PM_{10}, or $PM_{2.5}$; however, unmitigated regional VOC emissions for all Maximum Buildout Scenario and Scenario 2 models (except model 11 S2 PA2 Commercial) would exceed the SCAQMD-recommended CEQA significance threshold of 75 lbs/day during architectural coating phases. This is considered a **potentially significant impact.**

4.4.1.2 Combined Construction Model Run Emissions

As described in Section 2.5, mass grading of the approximately 183-acre Project area was assumed to begin in 2025, followed by construction of A Street and the IID substation, then site development for each individual construction model run, which were assumed to begin in May 2025 and proceed concurrently until all project construction is completed in August 2028. Thus, individual construction model emissions would occur at the same time. The proposed Project's potential combined unmitigated maximum daily regional construction emissions estimates are summarized in Table 4-11 for the Maximum Buildout Scenario and in Table 4-12 for Scenario 2. Refer to Table 2-7 and Table 2-8 for construction model schedules for the Maximum Buildout Scenario and Scenario 2, respectively. The modeling indicates:

- **Combined Maximum Buildout Scenario Regional Construction Emissions:** As shown in Table 4-11, the Maximum Buildout Scenario's potential combined unmitigated maximum daily regional construction emissions estimates would not exceed SCAQMD-recommended regional emissions thresholds for CO, SO_2, PM_{10}, or $PM_{2.5}$; however, combined emissions would exceed SCAQMD-recommended regional emissions thresholds for VOCs (75 lbs/day) and NO_X (100 lbs/day). VOC emissions could exceed the SCAQMD threshold in 2026, 2027, and 2028 when overlapping architectural coating phases could occur (individual coating phases would exceed SCAQMD thresholds, too; see Section 4.4.1.1). NO_X emissions could exceed the SCAQMD thresholds in 2025 and 2026, generally when individual model site preparation and/or building construction phases overlap. In total, combined unmitigated emissions could exceed the SCAQMD's regional VOC and/or NO_X emissions thresholds in 12 out of 15 modeled calendar quarters from 2025 to 2028.
- **Combined Scenario 2 Regional Construction Emissions:** The results for Scenario 2 regional construction emissions are similar to results for the Maximum Buildout Scenario. As shown in Table 4-12, Scenario 2 potential combined unmitigated maximum daily regional construction emissions estimates would not exceed SCAQMD-recommended regional emissions thresholds for CO, SO_2, PM_{10}, or $PM_{2.5}$, but would exceed SCAQMD-recommended regional emissions thresholds for VOCs (75 lbs/day) in 2026, 2027, and 2028 (during overlapping architectural coating phases) and NO_X (100 lbs/day) in 2025 and 2026 (during overlapping site preparation and/or building construction phases). In total, combined unmitigated emissions could exceed the SCAQMD's regional VOC and/or NO_X emissions thresholds in 11 out of 15 modeled calendar quarters from 2025 to 2028.

As described above, potential proposed Project's potential combined unmitigated maximum daily regional construction emissions estimates could exceed SCAQMD-recommended regional thresholds for VOC and NO_X. This is considered a **potentially significant impact.**

Table 4-11: Combined Unmitigated Construction Maximum Daily Regional Emissions by Year – Maximum Buildout Scenario

Year	Monthly Range	Maximum Daily Regional Emissions (lbs/day)[A],[B]					
		VOC	NOX	CO	SO2	PM_{10}[C]	$PM_{2.5}$[C]
2025	January to March	11.3	79.0	87.2	0.3	59.9	10.7
2025	April to June	31.6	**227.3**	430.5	0.5	73.6	25.9
2025	July to September	31.2	**145.1**	430.5	0.5	50.5	15.2
2025	October to December	27.1	**148.0**	302.8	0.5	50.5	15.2
2026	January to March	57.8	**139.0**	289.6	0.5	50.1	14.8
2026	April to June	**150.8**	**125.3**	395.5	0.5	49.6	14.4
2026	July to September	**150.8**	**111.5**	359.8	0.4	45.7	13.1
2026	October to December	**592.8**	**113.0**	246.0	0.4	44.9	12.9
2027	January to March	**592.3**	56.4	153.9	0.2	32.7	8.8
2027	April to June	**261.7**	52.5	217.6	0.2	30.7	8.3
2027	July to September	**261.7**	30.0	137.9	0.1	19.8	5.2
2027	October to December	7.0	29.2	80.5	0.1	17.5	4.7
2028	January to March	6.7	27.3	76.3	0.1	17.5	4.6
2028	April to June	**187.1**	26.4	115.8	0.1	17.5	4.6
2028	July to September	**187.1**	1.7	19.2	0.0	3.1	0.7
SCAQMD CEQA Threshold		**75**	**100**	**550**	**150**	**150**	**55**
Threshold Exceeded?		**Yes**	**Yes**	**No**	**No**	**No**	**No**

Source: MIG, 2023 (see Appendix A).\

(A) The data presented is the single highest daily emissions estimate for the listed monthly range. Combined maximum daily emissions estimates may be based on two or more site preparation, building construction, paving, etc. phases occurring at the same time in 2025 to 2027. Refer to Appendix A for detailed daily emissions by model, phase, and year.

(B) **Bold** font indicates emissions estimate exceeds SCAQMD-recommended CEQA threshold.

(C) PM_{10} and $PM_{2.5}$ values are total emissions. Refer to Appendix A for component exhaust and dust emissions levels.

Table 4-12: Combined Unmitigated Construction Maximum Daily Regional Emissions by Year – Scenario 2

Year	Monthly Range	Maximum Daily Regional Emissions (lbs/day)[A],[B]					
		VOC	NOX	CO	SO2	PM_{10}[C]	$PM_{2.5}$[C]
2025	January to March	11.3	79.0	87.2	0.3	59.9	10.7
2025	April to June	26.9	**224.8**	286.9	0.5	73.5	25.9
2025	July to September	23.0	**127.9**	286.9	0.4	29.7	10.0
2025	October to December	20.7	**129.7**	218.8	0.4	29.7	10.0
2026	January to March	51.7	**121.8**	211.4	0.4	29.3	9.6
2026	April to June	27.6	**109.2**	262.2	0.4	28.9	9.3
2026	July to September	18.8	98.2	247.5	0.4	28.3	8.9
2026	October to December	**588.1**	99.9	184.3	0.4	28.3	8.9
2027	January to March	**587.8**	44.2	96.3	0.2	16.1	4.7
2027	April to June	**114.3**	41.1	118.8	0.2	14.0	4.2
2027	July to September	**114.3**	23.0	76.7	0.1	9.7	2.8
2027	October to December	4.5	22.3	49.9	0.1	8.8	2.5
2028	January to March	4.4	20.9	47.8	0.1	8.8	2.5
2028	April to June	**101.6**	20.5	67.1	0.1	8.8	2.5
2028	July to September	**101.6**	1.3	9.9	0.0	1.5	0.4
SCAQMD CEQA Threshold		**75**	**100**	**550**	**150**	**150**	**55**
Threshold Exceeded?		**Yes**	**Yes**	**No**	**No**	**No**	**No**

Source: MIG, 2023 (see Appendix A).\

(A) The data presented is the single highest daily emissions estimate for the listed monthly range. Combined maximum daily emissions estimates may be based on two or more site preparation, building construction, paving, etc. phases occurring at the same time in 2025 to 2027. Refer to Appendix A for detailed daily emissions by model, phase, and year.

(B) **Bold** font indicates emissions estimate exceeds SCAQMD-recommended CEQA threshold.

(C) PM_{10} and $PM_{2.5}$ values are total emissions. Refer to Appendix A for component exhaust and dust emissions levels.

4.4.1.3 Regional Construction Emissions Mitigation Measures

To reduce the proposed Project's regional construction emissions levels, MIG recommends the proposed Project incorporate Mitigation Measures AIR-1 (Reduce Construction VOC Emissions) and AIR-2 (Reduce Construction NOx and DPM Emissions) into all future development projects in the Project area. These measures require the use of SCAQMD "super compliant" coatings with a VOC content of 10 grams per liter (g/l) or less and the implementation of emission control measures that reduce construction NOx and DPM emissions, including the use of construction equipment that meets Tier IV exhaust emissions standards.

Mitigation Measure AIR-1: Reduce Construction VOC Emissions. To reduce potential construction-related emissions of volatile organic compounds (VOCs), the Applicant shall require all future development projects in the Project area to implement the following measures:

1) Use architectural coatings that meet the South Coast Air Quality Management District's (SCAQMD) "Super Compliant" VOC standard of 10 grams/liter or less for all interior and exterior primer, sealer, paint, and other coating applications for which a super compliant product is commercially available.
    a) If feasible given contract, logistical, and other construction factors, avoid painting during peak smog season (July, August, and September) if super compliant coatings are not commercially available.
2) Keep all coating containers closed when not in use to prevent VOC emissions.
3) Keep all paint and solvent laden rags and other materials in sealed containers to prevent VOC emissions.
4) Clean up water-based paints with water only and when possible do not rinse clean-up water down the drain, onto the ground, or into a storm drain.
5) Use SCAQMD compliant Clean Air Solvents to clean paint application equipment.
6) Recycle leftover paint.

Mitigation Measure AIR-2: Reduce Construction NOx and PM Exhaust Emissions. To reduce potential construction-related exhaust emissions of oxides of nitrogen (NOx) and particulate matter (PM), including diesel particulate matter (DPM), the Applicant shall require all future development projects in the Project area to implement the following measures:

1) Connect to existing electrical service to power construction trailers and stationary and portable equipment (e.g., pumps, generators, compressors, and welding sets). This measure shall be subject to the approval of the local electric utility. If it is not feasible to connect to electrical service and/or extend electrical service to all work sites, biodiesel (no more than B20 blend), renewable diesel, or propane shall be used to power stationary and portable equipment provided the use of such fuels is allowed pursuant to manufacturer's specifications. The use of stationary or portable standard diesel-fueled equipment shall be prohibited in the Project area unless electrical service is denied, alternative fuels are not permitted by the manufacture for the specific equipment in use, and there are no alternative equipment types capable of being powered by alternative fuels that can be used instead of the standard diesel-fueled equipment.
2) All construction equipment with a rated power-output of 50 horsepower or greater shall meet Tier IV Final emissions standards for NO_X and PM_{10}. This may be achieved via the use of equipment with engines that have been certified to meet Tier IV emission standards, or by equipment that has been retrofitted with CARB-verified diesel emissions control strategies capable of reducing exhaust NO_X and PM_{10} emissions to levels that meet Tier IV standards.

Compliance with this requirement may be demonstrated on a fleet-average basis for the specific pieces of construction equipment that would operate in the Project area.

3) Limit idling of diesel-powered construction equipment, vendor delivery trucks, and hauling trucks to no more than two minutes unless manufacturer's specifications specifically require main engine idling is necessary to maintain equipment in good working order.

The proposed Project's mitigated maximum daily regional construction emissions are summarized in Table 4-13 (site development by phase) Table 4-14 (Maximum Buildout Scenario by phase), Table 4-15 (Scenario 2 by phase), Table 4-16 (Maximum Buildout by year), and Table 4-17 (Scenario 2 by year). As shown in these tables, the implementation of Mitigation Measures AQ-1 and AQ-2 could reduce regional construction emissions to levels below the SCAQMD's regional construction emissions thresholds for all pollutants in all years except VOCs in 2026 and 2027 when the Southwest Industrial and Southeast Industrial construction models result in simultaneous architectural coating activities.

Table 4-13: Mitigated Construction Maximum Daily Regional Emissions by Model and Phase – General Site Development

Construction Model and Phase	Maximum Daily Regional Emissions (lbs/day)(A)					
	VOC	NOx	CO	SO_2	PM_{10}(B)	$PM_{2.5}$(B)
01 Mass Grading						
Site Preparation	2.9	14.2	144.4	0.3	57.4	8.4
Grading	3.1	15.8	157.7	0.3	4.0	1.8
Dust Control	2.4	11.5	116.3	0.2	1.0	0.6
02 "A" Street						
Site Preparation	1.4	18.6	57.4	0.2	58.2	6.7
Utility Installation	4.3	4.3	39.1	0.1	1.2	0.3
Paving	0.8	6.8	20.9	0.0	1.1	0.4
03 IID Substation						
Site Preparation	0.4	4.4	18.1	0.1	42.7	4.5
Building Construction	0.2	1.1	10.3	0.0	0.1	0.1
Paving	0.5	2.8	11.0	0.0	0.3	0.2
Architectural Coating	3.3	0.0	0.0	0.0	0.0	0.0
SCAQMD CEQA Threshold	**75**	**100**	**550**	**150**	**100**	**55**
Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Source: MIG 2023 (see Appendix A)

(A) The data presented is the single highest daily emissions estimate for the listed phase. Maximum daily site preparation emissions occur in 2025. Maximum daily building construction, paving, and architectural coating emissions may occur in 2025, 2026, 2027, or 2028. Refer to Appendix A for detailed daily emissions by model, phase, and year.

(B) PM_{10} and $PM_{2.5}$ values are total emissions. Refer to Appendix A for component exhaust and dust emissions levels.

Table 4-14: Mitigated Construction Maximum Daily Regional Emissions by Model and Phase – Maximum Buildout Scenario

Construction Model and Phase	Maximum Daily Regional Emissions (lbs/day)(A)					
	VOC	NOx	CO	SO_2	PM_{10}(B)	$PM_{2.5}$(B)
04 PA4 Industrial Southwest						
Site Preparation	1.2	5.7	60.2	0.1	13.9	3.8
Building Construction	3.1	12.9	75.1	0.1	6.2	1.7
Paving	3.7	7.1	37.8	0.1	0.6	0.3
Architectural Coating	38.0	0.4	3.6	0.0	0.9	0.2
05 PA5 Industrial Southeast						
Site Preparation	1.2	5.6	59.2	0.1	13.9	3.8
Building Construction	3.0	11.6	81.0	0.1	6.8	1.8
Paving	3.1	5.3	40.0	0.1	0.6	0.3
Architectural Coating	39.2	0.4	4.0	0.0	1.0	0.2
06 MBS PA1 Northwest Residential						
Site Preparation	1.0	4.6	49.5	0.1	12.4	3.6
Building Construction	5.3	12.5	116.9	0.1	12.7	3.2
Paving	2.9	4.3	31.3	0.1	0.5	0.2
Architectural Coating	59.1	0.8	14.4	0.0	2.3	0.5
07 MBS PA1 Northeast and PA2 Mixed-Use						
Site Preparation	1.1	5.0	53.7	0.1	13.1	3.7
Building Construction	7.0	15.5	150.2	0.1	17.0	4.2
Paving	2.7	4.7	35.3	0.1	0.5	0.3
Architectural Coating	44.2	0.9	18.1	0.0	3.1	0.7
08 MBS PA3 Residential						
Site Preparation	0.7	3.3	36.1	0.1	10.9	3.4
Building Construction	1.9	4.8	47.1	0.0	4.3	1.1
Paving	1.5	3.0	18.1	0.0	0.4	0.2
Architectural Coating	29.1	0.3	5.2	0.0	0.8	0.2
SCAQMD CEQA Threshold	**75**	**100**	**550**	**150**	**100**	**55**
Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Source: MIG 2023 (see Appendix A)

(A) The data presented is the single highest daily emissions estimate for the listed phase, regardless of season. Maximum daily site preparation emissions occur in 2025. Maximum daily building construction, paving, and architectural coating emissions may occur in 2025, 2026, 2027, or 2028.

(B) PM_{10} and $PM_{2.5}$ values are total emissions. Refer to Appendix A for component exhaust and dust emissions levels.

Table 4-15: Mitigated Construction Maximum Daily Regional Emissions by Model and Phase – Scenario 2

Construction Model and Phase	Maximum Daily Regional Emissions (lbs/day)(A)					
	VOC	NOx	CO	SO_2	PM_{10}(B)	$PM_{2.5}$(B)
04 PA4 Industrial Southwest						
Site Preparation	1.2	5.7	60.2	0.1	13.9	3.8
Building Construction	3.1	12.9	75.1	0.1	6.2	1.7
Paving	3.7	7.1	37.8	0.1	0.6	0.3
Architectural Coating	38.0	0.4	3.6	0.0	0.9	0.2
05 PA5 Industrial Southeast						
Site Preparation	1.2	5.6	59.2	0.1	13.9	3.8
Building Construction	3.0	11.6	81.0	0.1	6.8	1.8
Paving	3.1	5.3	40.0	0.1	0.6	0.3
Architectural Coating	39.2	0.4	4.0	0.0	1.0	0.2
09 S2 PA1 Northwest Residential						
Site Preparation	1.0	4.6	49.5	0.1	12.4	3.6
Building Construction	2.3	6.4	62.9	0.1	4.7	1.2
Paving	3.0	4.3	31.3	0.1	0.5	0.2
Architectural Coating	30.2	0.3	5.3	0.0	0.8	0.2
10 S2 PA1 Northeast Residential						
Site Preparation	1.0	4.7	50.9	0.1	13.1	3.6
Building Construction	3.7	9.3	88.6	0.1	8.4	2.1
Paving	2.3	4.4	32.5	0.1	0.5	0.2
Architectural Coating	24.7	0.4	8.8	0.0	1.5	0.4
11 S2 PA2 Commercial						
Site Preparation	0.7	3.0	33.0	0.1	10.9	3.3
Building Construction	0.3	1.4	16.1	0.0	0.1	0.1
Paving	1.3	2.8	14.1	0.0	0.4	0.2
Architectural Coating	8.7	0.0	0.1	0.0	0.0	0.0
12 S2 PA3 Commercial						
Site Preparation	0.7	3.3	36.1	0.1	10.9	3.4
Building Construction	1.2	5.5	25.4	0.0	1.8	0.5
Paving	1.1	3.0	18.1	0.0	0.4	0.2
Architectural Coating	13.8	0.1	1.7	0.0	0.3	0.1
SCAQMD CEQA Threshold	**75**	**100**	**550**	**150**	**100**	**55**
Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Source: MIG 2023 (see Appendix A)

(A) The data presented is the single highest daily emissions estimate for the listed phase, regardless of season. Maximum daily site preparation emissions occur in 2025. Maximum daily building construction, paving, and architectural coating emissions may occur in 2025, 2026, 2027, or 2028.

(B) PM_{10} and $PM_{2.5}$ values are total emissions. Refer to Appendix A for component exhaust and dust emissions levels.

Table 4-16: Combined Mitigated Construction Maximum Daily Regional Emissions by Year – Maximum Buildout Scenario

Year	Monthly Range	Maximum Daily Regional Emissions (lbs/day)[A],[B]					
		VOC	NOX	CO	SO2	PM_{10}[C]	$PM_{2.5}$[C]
2025	January to March	3.1	18.6	157.7	0.3	58.2	8.4
2025	April to June	20.6	56.3	480.7	0.5	65.4	18.5
2025	July to September	20.6	56.3	480.7	0.5	47.1	12.0
2025	October to December	18.0	58.3	401.4	0.5	47.1	12.0
2026	January to March	18.9	58.4	341.0	0.5	47.3	12.1
2026	April to June	45.5	52.7	448.7	0.4	46.9	12.0
2026	July to September	45.5	48.6	408.8	0.4	43.4	11.1
2026	October to December	**86.4**	50.9	296.1	0.4	42.7	10.9
2027	January to March	**86.0**	26.7	174.2	0.2	31.7	7.8
2027	April to June	64.9	24.4	240.1	0.2	29.7	7.4
2027	July to September	64.9	14.5	149.1	0.1	19.3	4.8
2027	October to December	5.0	14.7	92.8	0.1	17.0	4.2
2028	January to March	4.8	13.9	88.7	0.1	17.0	4.2
2028	April to June	44.2	13.0	128.2	0.1	17.0	4.2
2028	July to September	44.2	0.9	18.1	0.0	3.1	0.7
SCAQMD CEQA Threshold		**75**	**100**	**550**	**150**	**150**	**55**
Threshold Exceeded?		**Yes**	**No**	**No**	**No**	**No**	**No**

Source: MIG, 2023 (see Appendix A).\

(A) The data presented is the single highest daily emissions estimate for the listed monthly range. Combined maximum daily emissions estimates may be based on two or more site preparation, building construction, paving, etc. phases occurring at the same time in 2025 to 2028.

(B) **Bold** font indicates emissions estimate exceeds SCAQMD-recommended CEQA threshold.

(C) PM_{10} and $PM_{2.5}$ values are total emissions. Refer to Appendix A for component exhaust and dust emissions levels.

Table 4-17: Combined Mitigated Construction Maximum Daily Regional Emissions by Year – Scenario 2

Year	Monthly Range	Maximum Daily Regional Emissions (lbs/day)[A],[B]					
		VOC	NOX	CO	SO2	PM_{10}[C]	$PM_{2.5}$[C]
2025	January to March	3.1	18.6	157.7	0.3	58.2	8.4
2025	April to June	12.6	41.0	333.9	0.5	65.4	18.5
2025	July to September	12.6	41.0	333.9	0.4	26.3	7.0
2025	October to December	10.4	42.8	265.8	0.4	26.3	7.0
2026	January to March	13.1	42.9	259.7	0.4	26.5	7.1
2026	April to June	19.6	39.8	312.2	0.4	26.4	7.0
2026	July to September	10.9	36.9	296.1	0.4	26.0	6.9
2026	October to December	**81.8**	38.7	232.9	0.4	26.0	6.9
2027	January to March	**81.6**	15.2	115.0	0.1	15.1	3.8
2027	April to June	33.3	13.8	139.8	0.1	13.1	3.3
2027	July to September	33.3	8.4	86.3	0.1	9.2	2.3
2027	October to December	2.7	8.5	60.7	0.1	8.4	2.1
2028	January to March	2.6	8.2	58.7	0.1	8.4	2.1
2028	April to June	24.7	7.7	78.0	0.1	8.4	2.1
2028	July to September	24.7	0.4	8.8	0.0	1.5	0.4
SCAQMD CEQA Threshold		**75**	**100**	**550**	**150**	**150**	**55**
Threshold Exceeded?		**Yes**	**No**	**No**	**No**	**No**	**No**

Source: MIG, 2023 (see Appendix A).\

(A) The data presented is the single highest daily emissions estimate for the listed monthly range. Combined maximum daily emissions estimates may be based on two or more site preparation, building construction, paving, etc. phases occurring at the same time in 2025 to 2028.

(B) **Bold** font indicates emissions estimate exceeds SCAQMD-recommended CEQA threshold.

(C) PM_{10} and $PM_{2.5}$ values are total emissions. Refer to Appendix A for component exhaust and dust emissions levels.

4.4.1.4 Regional Construction Emissions Impact Conclusion

The above analysis indicates that the proposed Project's mitigated maximum daily regional construction emissions for each individual construction model would below the SCAQMD's regional emissions thresholds for all VOC and NO_X; however, potential combined architectural coating phases in 2026 and 2027 involving more than approximately 125,000 total square feet of daily interior, exterior, and surface parking area coating applications for the Industrial Southwest and Industrial Southeast model runs could exceed the SCAQMD's regional construction emissions threshold for VOC emissions even with the implementation of Mitigation Measure AIR-1 (Reduce Construction VOC Emissions) and Mitigation Measure AIR-2 (Reduce Construction NO_X and PM Exhaust Emissions).[9] Although this scenario is unlikely, the modeling conducted for the proposed Project indicates it could occur if both industrial buildings in PA 4 were simultaneously having coatings applied, or if large residential (e.g., MBS PA 1 Northwest Residential) or mixed-use (e.g., MBS PA 1 Northeast and PA 2 Mixed-Use) developments in PA 1 or PA 2 were to occur at the same time. Since the timing and nature of future development in the Project area is not known at this time, it is also possible other combinations of projects could result in coating activities that exceed VOC threshold limits. In contrast, combined mitigated maximum daily regional NO_X construction emissions estimates are substantially less than the SCAQMD's emissions thresholds for all possible project combinations and, therefore, the proposed Project would not exceed SCAQMD regional NO_X emissions thresholds. For these reasons, the proposed Project's regional construction VOC emissions would remain a **significant and unavoidable impact** even with the incorporation of feasible mitigation measures.

4.4.2 REGIONAL OPERATIONAL EMISSIONS

As described in Section 4.2.1.2, the proposed Project's potential operational emissions estimates are based on the Maximum Buildout Scenario and Scenario 2 conceptual site plans and development assumptions shown in Figure 2-3 and Figure 2-4, the trip generation assumptions identified in Table 2-4 and Table 2-5, and other Project-specific assumptions. The modeling assumes full development of the Project area occurs in the year 2033, consistent with the TIA conducted for the proposed Project (LLG, 2023a). The proposed Project's maximum unmitigated regional operational emissions (in lbs/day) are summarized in Table 4-18 (Maximum Buildout Scenario) and Table 4-19 (Scenario 2). Refer to Appendix A for CalEEMod output files and detailed operational emissions estimates assumptions.

[9] For non-residential buildings, CalEEMod assumes the total surface area painted is equal to 2x the building square footage and 6% of the surface parking area, with coatings applied uniformly over the phase duration (i.e., the same amount of coating activities every day).

Table 4-18: Unmitigated Operational Maximum Daily Regional Emissions – Maximum Buildout Scenario (Year 2033)

Emissions Source	Maximum Daily Regional Emissions (lbs/day)(A)					
	VOC	NO_x	CO	SO_2	PM_{10}(B)	$PM_{2.5}$(B)
Area	148.8	48.4	285.2	0.3	4.1	4.1
Energy	1.3	23.2	13.7	0.1	1.8	1.8
Mobile	80.5	189.8	604.8	2.6	178.8	48.4
Off-Road	<0.1	4.5	0.3	<0.1	<0.1	<0.1
Stationary (Fugitive Gasoline)	4.1	-	-	-	-	-
Total(C)	**234.8**	**265.9**	**903.9**	**3.1**	**184.8**	**54.4**
SCAQMD CEQA Threshold	**55**	**55**	**550**	**150**	**150**	**55**
Threshold Exceeded?	**Yes**	**Yes**	**Yes**	**No**	**Yes**	**No**

Source: MIG, 2023 (see Appendix A)

(A) Maximum daily VOC, CO, SO_2, PM_{10}, and $PM_{2.5}$ emissions occur during the summer. Maximum daily NO_X, emissions occur during the winter.

(B) PM_{10} and $PM_{2.5}$ values are total emissions. Refer to Appendix A for component exhaust and dust emissions levels.

(C) Totals may not equal due to rounding.

Table 4-19: Unmitigated Operational Maximum Daily Regional Emissions – Scenario 2 (Year 2033)

Emissions Source	Maximum Daily Regional Emissions (lbs/day)(A)					
	VOC	NO_x	CO	SO_2	PM_{10}(B)	$PM_{2.5}$(B)
Area	103.0	18.5	168.6	0.1	1.7	1.6
Energy	1.0	17.0	12.1	0.1	1.3	1.3
Mobile	89.8	214.2	892.8	3.5	263.2	70.2
Off-Road	<0.1	4.5	0.3	<0.1	<0.1	<0.1
Stationary (Fugitive Gasoline)	4.1	-	-	-	-	-
Total(C)	**198.0**	**254.1**	**1,073.8**	**3.8**	**266.2**	**73.1**
SCAQMD CEQA Threshold	**55**	**55**	**550**	**150**	**150**	**55**
Threshold Exceeded?	**Yes**	**Yes**	**Yes**	**No**	**Yes**	**Yes**

Source: MIG, 2023 (see Appendix A)

(A) Maximum daily VOC, CO, SO_2, PM_{10}, and $PM_{2.5}$ emissions occur during the summer. Maximum daily NO_X, emissions occur during the winter.

(B) PM_{10} and $PM_{2.5}$ values are total emissions. Refer to Appendix A for component exhaust and dust emissions levels.

(C) Totals may not equal due to rounding.

As shown in Table 4-18 and Table 4-19, the modeling indicates:

- **VOCs:** The proposed Project's maximum daily VOC emissions would exceed the SCAQMD's regional threshold (55 lbs/day) for both the Maximum Buildout Scenario and Scenario 2. The primary source of the Project's VOC emissions for both scenarios is area source emissions, which account for approximately 63% of total VOC emissions under the Maximum Buildout Scenario and 52% of total VOC emissions under Scenario 2, with fugitive emissions from

consumer products being the largest contributor (71%) to area source emissions under both scenarios.

- **NO_X:** The proposed Project's maximum daily NO_X emissions would exceed the SCAQMD's regional threshold (55 lbs/day) for both the Maximum Buildout Scenario and Scenario 2. The primary source of the Project's NO_X emissions for both scenarios is mobile sources. For the Maximum Buildout Scenario, residential and industrial vehicle trips generate approximately 21% and 76%, respectively, of total mobile source NO_X emissions, and 15% and 54% respectively, of total daily NO_X emissions. For Scenario 2, commercial and industrial vehicle trips generate approximately 23% and 67%, respectively, of total mobile source NO_X emissions, and 20% and 57% respectively of total daily NO_X emissions. For Scenario 2, residential vehicle trips account for less than 6% of total daily NO_X emissions.
- **CO:** The Proposed Project's maximum daily CO emissions would exceed the SCAQMD's regional threshold (550 lbs/day) for both the Maximum Buildout Scenario and Scenario 2. Like NO_X, the primary source of CO emissions would be mobile sources, which would generate approximately 67% (Maximum Buildout Scenario) to 84% (Scenario 2) of total daily CO emissions. The next highest source of CO emissions would be area sources, and specifically landscaping equipment, which would generate approximately 29% (Maximum Buildout Scenario) and 15% (Scenario 2) of total daily CO emissions.
- **PM_{10} and $PM_{2.5}$:** The Proposed Project's maximum daily PM_{10} and $PM_{2.5}$ emissions would exceed the SCAQMD's regional thresholds (150 lbs/day for PM_{10} and 55 lbs/day $PM_{2.5}$) for both the Maximum Buildout Scenario and Scenario 2. Like NO_X and CO, the primary source of PM_{10} and $PM_{2.5}$ emissions would be mobile sources; however, unlike NO_X and CO, most PM would not be generated from fuel combustion. Rather, approximately 98% of total daily PM_{10} emissions and 94% of total daily $PM_{2.5}$ emissions would be the result of entrained road dust from vehicle travel.

As summarized above, the proposed Project would have the potential to generate daily operational emissions that could exceed the SCAQMD's recommended regional emissions thresholds for VOC, NO_X, CO, PM_{10}, and $PM_{2.5}$. This is considered a **potentially significant impact**.

4.4.2.1 Regional Operational Emissions Mitigation Measures

To reduce the proposed Project's maximum daily regional operations emissions levels, MIG recommends the proposed Project incorporate Mitigation Measures AIR-3 (Reduce Landscaping Equipment Emissions), AIR-4 (Reduce Residential Vehicle Trip Emissions), AIR-5 (Reduce Commercial and Industrial Light-Duty Vehicle Trip Emissions), AIR-6 (Reduce Commercial and Industrial Truck Trip Emissions), and AIR-7 (Reduce Commercial and Industrial Yard Equipment Emissions) into all future development projects in the Project area. These measures promote the use of near-zero emission (NZE) and zero-emission (ZE) landscaping equipment, require electric vehicle (EV) infrastructure for charging for EV cars and trucks, and require the use of ZE yard equipment.

Mitigation Measure AIR-3: Reduce Landscaping Equipment Emissions. To reduce potential air pollutant emissions from small off-road equipment less than 25 horsepower that could be used for landscaping activities in the Project area, the Applicant shall require all future development projects in the Project area to implement the following measures:

1) *Residential Projects (including the residential component of mixed-use projects):* Provide property managers and the owner/occupants of individual dwelling units with information on the

South Coast Air Quality Management District's (SCAQMD) Residential Electric Lawn Mower Rebate Program, such as the SCAQMD program website or handouts summarizing program details, frequently asked questions, etc. This information may be provided as part of real-estate and lease transactions or as posted bulletin/informational items in leasing offices, community rooms, etc. associated with individual developments.

2) *Commercial and Industrial Projects (including the commercial component of mixed-use projects):* Provide property managers and owner/occupants of individual building units with information on the SCAQMD Commercial Electric Lawn and Garden Equipment Incentive Exchange Program, such as the SCAQMD program website or handouts summarizing program details, frequently asked questions, etc. This information shall be provided as part of real-estate and lease transactions.

Mitigation Measure AIR-4: Reduce Residential Vehicle Trip Emissions. To reduce potential residential vehicle trip emissions, all future residential development in the Project area, including the residential component of mixed-use development, shall implement the following measures:

1) Electric Vehicle (EV) Charging: Require residential projects to comply with the voluntary Tier 1 charging provisions for new construction contained in the version of the California Green Building Code (CalGreen Code) that is in effect at the time of building permit approval, unless the City has adopted local requirements that are more stringent than the CalGreen Code. As of January 1, 2023, the 2022 CalGreen Code includes the following voluntary Tier 1 provisions for EV charging in new multi-family development projects (CalGreen Code Section A104.6.8.2.1):
    a) EV Ready. 35% of the total number of parking spaces shall be equipped with low power Level 2 EV charging receptacles. For multifamily parking facilities, nor more than one receptacle is required per dwelling unit when more than one parking space is provided for use by a single dwelling unit. This Tier 1 provision does not apply in areas of parking facilities served by parking lifts.
    b) EV Chargers for Projects with 20 or more dwelling units. 10% of the total number of parking spaces shall be equipped with Level 2 electric vehicle service equipment (EVSE). Where common use parking is provided, at least one EV charger shall be located in the common use parking area and shall be available for use by all residents.
2) Bicycle Parking: Require residential projects to comply with the voluntary bicycle parking provisions contained in the version of the CalGreen Code that is in effect at the time of building permit approval, unless the City has adopted local requirements that are more stringent than the CalGreen Code. As of January 1, 2023, the 2022 CalGreen Code includes the following voluntary provisions for bicycle parking (CalGreen Code Section A4.106.9 et. seq.):
    a) Short-term Bicycle Parking (CalGreen Code Section A4.106.9.1): Provide permanently anchored bicycle racks within 100 feet of the visitor's entrance, readily visible to passers-by, for 5% of visitor motorized vehicle parking capacity with a minimum of one two-bike capacity rack.
    b) Long-term Bicycle Parking for Multi-family Buildings (CalGreen Code Section A4.106.9.2): Provide on-site bicycle parking for at least one bicycle per every two dwelling units. Acceptable parking facilities shall be conveniently reached from the street and may include, but not be limited to: 1) covered, lockable enclosures with permanently anchored racks for bicycles; 2) Lockable bicycle rooms with permanently anchored racks; or 3) Lockable, permanently anchored bicycle lockers.

Mitigation Measure AIR-5: Reduce Commercial and Industrial Light-duty Vehicle Trip Emissions. To reduce potential non-residential commercial and industrial light duty vehicle trip emissions (i.e., passenger cars and pick-up trucks with a gross vehicle weight rating of 8,500 pounds or less), all future non-residential development in the Project area, including the commercial component of mixed-use developments, shall implement the following measures:

1) Require non-residential projects, excluding hotel/motel, to comply with the voluntary Tier 1 electric vehicle (EV) charging provisions for new construction and the voluntary bicycle accommodation provisions contained in the version of the California Green Building Code (CalGreen Code) that is in effect at the time of building permit approval, unless the City has adopted local requirements that are more stringent than the CalGreen Code. As of January 1, 2023, the 2022 CalGreen Code includes the following voluntary provisions for EV charging and bicycle accommodations in non-residential projects:
    a) EV Charging Tier 1 Provisions (CalGreen Code Section A5.106.5.3): The number of EV capable spaces and spaces with electric vehicle supply equipment (EVSE) shall be determined based on the total number of actual parking spaces as set forth in CalGreen Code Table A5.106.5.3.1 (Tier 1).
    b) Bicycle Accommodation Provisions (CalGreen Code Section A5.106.4.3): The number of shower/changing facilities and personal effects lockers to be provided in buildings with over 10 tenant-occupants shall be determined based on the total number of tenant-occupants as set forth in CalGreen Code Table A5.106.4.3:
2) Require hotel/motel projects to comply with the voluntary Tier 1 electric vehicle (EV) charging provisions for new construction and the voluntary long-term bicycle parking provisions contained in the version of the California Green Building Code (CalGreen Code) that is in effect at the time of building permit approval, unless the City has adopted local requirements that are more stringent than the CalGreen Code. As of January 1, 2023, the 2022 CalGreen Code includes the following voluntary provisions for EV charging and bicycle parking in hotel and motel buildings:
    a) EV Charging Tier 1 a (CalGreen Code Section A6.108.2.1): See Mitigation Measure AQ-4, Section 1.
    b) Long-term Bicycle Parking Provisions (CalGreen Code Section A4.106.9.3): Provide one on-site bicycle parking space for every 25,000 square feet, but not less than two. Acceptable parking facilities shall be conveniently reached from the street and may include, but not be limited to: 1) covered, lockable enclosures with permanently anchored racks for bicycles; 2) Lockable bicycle rooms with permanently anchored racks; or 3) Lockable, permanently anchored bicycle lockers:

Mitigation Measure AIR-6: Reduce Commercial and Industrial Truck Trip Emissions. To reduce potential commercial and industrial truck trip emissions (i.e., light-heavy, medium-heavy, and heavy-heavy duty trucks with a gross vehicle weight of 8,501 pounds or greater) and promote the use of near-zero emission (NZE) and zero emission (ZE) trucks, all future commercial and industrial development in the Project area shall implement the following measures:

1) Electrical System Design: The electrical system shall be designed and constructed to provide the infrastructure necessary to supply power for future NZE and ZE trucks accessing loading docks and bays, including trucks with transport refrigeration units (TRUs), such as spare

raceways or busways, adequate transformer capacity, main service equipment and subpanels, etc. Raceways or busways shall originate at a main service panel serving the loading area and terminate close to the future location of truck charging equipment.

2) TRU Restrictions: The use of diesel fueled TRUs shall be prohibited. All trucks entering a project site shall include TRUs that can be powered by electricity.

3) Idling Signage: Signs shall be posted at all truck access gates and loading dock areas reminding drivers of idling limitations. The signs shall be clearly visible, readable at a distance of 10 feet, and notify truck drivers that:

   a) The vehicle's primary diesel engine shall be turned off when not in use.

   b) The vehicle's primary diesel engine shall not idle for more than 5 consecutive minutes at any location pursuant to Title 13 of the California Code of Regulations, Section 2485.

   c) The vehicle's diesel-fueled auxiliary power systems shall not operate for more than 5 minutes at any location within 100 feet of housing units, hotels, motels, and other pursuant to Title 13 of the California Code of Regulations, Section 2485.

Mitigation Measure AIR-7: Reduce Commercial and Industrial Yard Equipment Emissions. To reduce potential emissions from commercial and industrial yard equipment, including but not limited to yard trucks, hostlers, forklifts, and pallet jacks, (e.g., forklifts, yard hostlers, etc.), the Applicant shall require all future commercial and industrial yard equipment operated in the Project area to be zero-emission (ZE) equipment.

The proposed Project's mitigated maximum regional operational emissions (in lbs/day) are summarized in Table 4-20 (Maximum Buildout Scenario) and Table 4-21 (Scenario 2). It is noted that proposed Project's mitigated emissions estimates do not assume any reduction in mobile source emissions due to compliance with the city's TDM requirements; however, the mitigated emission estimates assume the elimination of diesel yard hostelers (per Mitigation Measure AIR-7).[10] Since future project-specific details are not known, it is not possible to know the quantity of emissions that would be reduced by Mitigation Measures AIR-3 to AIR-6. Therefore, the emissions reductions that would be achieved by these measures are not included in the mitigated emissions estimates.

[10] As described in Section 3.2.8.2, the Indio Municipal Code will require certain development activities in the Project area to reduce employee vehicle trips by 10%. Based on the conceptual site plans for the Maximum Buildout Scenario and Scenario 2, only the 128-key hotel in PA 3 (in Scenario 2 only) and the southwest and southeast industrial buildings in PA 4 (in both the Maximum Buildout Scenario and Scenario 2) could be subject to the TDM requirements in the city's code. The city's TDM requirements would reduce light duty vehicle trip emissions only.

Table 4-20: Mitigated Operational Maximum Daily Regional Emissions – Maximum Buildout Scenario (Year 2033)

Project Emissions Source	Maximum Daily Regional Emissions (lbs/day)(A)					
	VOC	NO_x	CO	SO_2	PM_{10}(B)	$PM_{2.5}$(B)
Area	148.8	48.4	285.2	0.3	4.1	4.1
Energy	1.3	22.6	13.5	0.1	1.8	1.8
Mobile	80.5	189.8	604.8	2.6	178.8	48.4
Off-Road	0.0	4.5	0.3	0.0	0.0	0.0
Stationary	4.1	0.0	0.0	0.0	0.0	0.0
Total(C)	**234.8**	**265.3**	**903.7**	**3.1**	**184.7**	**54.3**
SCAQMD CEQA Threshold	**55**	**55**	**550**	**150**	**150**	**55**
Threshold Exceeded?	**Yes**	**Yes**	**Yes**	**No**	**Yes**	**No**

Source: MIG, 2023 (see Appendix A)

(A) Maximum daily VOC, CO, SO_2, PM_{10}, and $PM_{2.5}$ emissions occur during the summer. Maximum daily NO_X, emissions occur during the winter.

(B) PM_{10} and $PM_{2.5}$ values are total emissions. Refer to Appendix A for component exhaust and dust emissions levels.

(C) Totals may not equal due to rounding.

Table 4-21: Mitigated Operational Maximum Daily Regional Emissions – Scenario 2 (Year 2033)

Project Emissions Source	Maximum Daily Regional Emissions (lbs/dayA)					
	VOC	NO_x	CO	SO_2	PM_{10}(B)	$PM_{2.5}$(B)
Area	103.0	18.5	168.6	0.1	1.7	1.6
Energy	0.9	16.7	12.0	0.1	1.3	1.3
Mobile	89.8	214.2	892.8	3.5	263.2	70.2
Off-Road	0.0	4.5	0.3	0.0	0.0	0.0
Stationary	4.1	0.0	0.0	0.0	0.0	0.0
Total(C)	**198.0**	**253.9**	**1,073.7**	**3.8**	**266.2**	**73.1**
SCAQMD CEQA Threshold	**55**	**55**	**550**	**150**	**150**	**55**
Threshold Exceeded?	**Yes**	**Yes**	**Yes**	**No**	**Yes**	**Yes**

Source: MIG, 2023 (See Appendix A)

(A) Maximum daily VOC, CO, SO_2, PM_{10}, and $PM_{2.5}$ emissions occur during the summer. Maximum daily NO_X, emissions occur during the winter.

(B) PM_{10} and $PM_{2.5}$ values are total emissions. Refer to Appendix A for component exhaust and dust emissions levels.

(C) Totals may not equal due to rounding.

As shown in Table 4-20 and Table 4-21, the implementation of Mitigation Measures AIR-3 to AIR-7 would reduce emissions of VOC, CO, NO_X, PM_{10}, and $PM_{2.5}$, but not to levels that are below the SCAQMD's regional pollutant thresholds.

4.4.2.2 Regional Operational Emissions Impact Conclusion

The above analysis indicates that the proposed Project's mitigated operational maximum daily regional emissions could exceed the SCAQMD's regional emissions thresholds for VOCs, CO, NO_X, PM_{10}, and $PM_{2.5}$ even with the implementation of Mitigation Measures AIR-3 to AIR-7. For this reason, the proposed Project's regional operational emissions would remain a **significant and unavoidable impact** even with the incorporation of feasible mitigation measures.

In developing its CEQA significance thresholds, the SCAQMD considered the emission levels at which a project's individual emissions would be cumulatively considerable (SCAQMD, 2003; page D-3). As described above the proposed Project's construction and operational emissions could remain above the SCAQMD's regional thresholds for criteria air pollutants even with the incorporation of feasible mitigation measures. Therefore, the proposed Project would result in a cumulatively considerable increase in criteria air pollutants.

4.5 SENSITIVE RECEPTORS AND SUBSTANTIAL POLLUTANT CONCENTRATIONS

As described in Section 4.1.2, the SCAQMD has developed Localized Significance Thresholds (LSTs) that represent the maximum emissions from a project that are not expected to cause or contribute to an exceedance of the most stringent applicable Federal or State ambient air quality standards, which would constitute a significant adverse localized air quality effect. In addition, as described in Section 4.1.4, the SCAQMD recommends carcinogenic and non-carcinogenic health risk thresholds for sensitive receptors that could be exposed to TAC emissions, such as DPM.

The proposed Project's potential construction and operational activities could contribute to local air quality effects and emit certain TACs, including DPM. Accordingly, MIG conducted LST and health risk assessments (HRA) for on- and off-site sensitive receptors as follows:

- **Off-site LST Construction and Operational Emissions Analysis:** This analysis evaluates the proposed Project's potential construction and operational emissions of NO_X, CO, PM_{10}, and $PM_{2.5}$ at existing off-site sensitive receptor locations. The analysis assumes that existing off-site receptors would be exposed to all potential Project-related construction and operational activities and emissions that could occur under the Maximum Buildout Scenario and Scenario 2. Refer to Section 4.5.1 for the off-site LST emissions analyses.
- **Off-site HRA:** This analysis evaluates the proposed Project's potential construction and operational TAC emissions at existing off-site sensitive receptor locations. Like the off-site LST analysis, the off-site HRA assumes that existing off-site receptors would be exposed to all potential Project-related construction and operational activities and emissions that could occur under the Maximum Buildout Scenario and Scenario 2. Refer to Section 4.5.2 for the off-site HRA.
- **On-site LST Construction and Operational Emissions Analysis:** This analysis evaluates the proposed Project's potential construction and operational emissions of NO_X, CO, PM_{10}, and $PM_{2.5}$ at potential future on-site sensitive receptor locations. Whereas the off-site LST analysis assumed off-site receptors would be exposed to all potential Project-related construction and operational activities and emissions, the on-site LST analysis assumes mass grading and the installation of A Street are complete prior to any receptor being located in the Project area. The on-site LST analysis also assumes a residential development is complete prior to any other development occurring in the Project area. Although unlikely to occur, this approach allows for

the evaluation of potential worst-case LST emissions at future on-site receptor locations.[11] Refer to Section 4.5.3.1 for the on-site LST emissions analyses.

- **On-site HRA:** This analysis evaluates the proposed Project's potential construction and operational TAC emissions at potential future on-site sensitive receptor locations. Refer to Section 4.5.4 for the on-site HRA.

The LST and HRA analyses described above were conducted in accordance with the criteria air pollutant and TAC emissions estimation and dispersion methodologies described in Section 4.2. With regards to the HRA and modeled on- and off-site DPM concentrations, annual average DPM concentrations would vary by year since potential construction activities would vary by year. This Report summarizes risks for the maximally exposed individual receptor (MEIR). The MEIR is the receptor that would be exposed to the highest modeled annual average DPM concentrations associated with potential Project construction and operational activities; all other receptors would be exposed to lower pollutant concentrations and, therefore, lower adverse health risks. The results of the regional and LST emissions modeling conducted for the Project indicate total annual on-site DPM emissions would be greater during potential construction activities than potential operational activities. [12] Thus, the location of the MEIR is typically the location exposed to the highest total annual average construction related DPM emissions. In addition, as described in Section 4.2.3.4, potential adverse health risk effects are contingent on several factors, including the life stages in which a receptor is exposed to potential pollutant concentrations. Excess cancer risk estimates, therefore, would vary by receptor type (e.g., infant, child, adult receptor). This Report summarizes the excess cancer risk at the MEIR assuming the receptor is an infant (including 3rd trimester) for the first 2 years of exposure and then develops to a child and finally to an adult over the next 28 years of exposure. Due to age sensitivity and other risk assessment factors applied to early life stages (see Table 4-4), excess cancer risk estimates for receptors beginning exposure in the infant stage are substantially higher than the risk estimates for a receptor beginning exposure in the child or adult stages and, therefore, provide the worst-case estimate of potential adverse health risks.

4.5.1 OFF-SITE LOCALIZED SIGNIFICANCE THRESHOLD (LST) ANALYSIS

This scenario evaluates the proposed Project's construction and operational criteria air pollutant emissions at the closest existing off-site sensitive receptor location. As described in Section 3.2.2, the closest existing sensitive receptors are the single-family residences in the Sun City Shadow Hills neighborhood approximately 650 feet north of the Project area.

4.5.1.1 Off-Site LST Construction Emissions Analysis

As described in Section 4.2.1.1, the proposed Project's potential construction emissions were estimated using individual construction models. For the off-site receptor LST analysis, the on-site construction emissions from all construction models (occurring on more than 180 acres) were combined according to the conceptual schedules shown in Table 2-7 and Table 2-8 and compared to the SCAQMD's

[11] This scenario is considered worst-case because it places potential receptors inside the Project area before any other residential, industrial, or commercial construction activities occur. As shown in Table 2-7and Table 2-8, however, it is probable that some construction activities would have already occurred before the residential receptor is present.

[12] For example, unmitigated combined on-site PM_{10} exhaust emissions during Maximum Buildout Scenario construction activities could be up 9.2 lbs/day. Unmitigated operational PM10 ehaust emissions during the Maximum Buildout Scenario would be approximately 9.5 lbs/day, however, most of these emissions would come from mobile sources that would emit PM_{10} over a larger geographic area. Refer to Appendix A for detailed emissions estimates.

five-acre construction LST for SRA 30. This analysis, therefore, is conservative in that it compares emissions from the entire Project area to the LST threshold for a five-acre project. The proposed Project's unmitigated construction maximum daily LST emissions at the closest off-site receptor located are summarized in Table 4-22 and Table 4-23.

Table 4-22: Combined Unmitigated Construction Maximum Daily LST Emissions by Year – Maximum Buildout Scenario Off-Site Receptor

Year	Monthly Range	Maximum Daily LST Emissions (lbs/day)[A]			
		NOX	CO	PM_{10}[B]	$PM_{2.5}$[B]
2025	January to March	78.6	83.5	8.1	5.4
2025	April to June	223.5	224.3	34.8	21.7
2025	July to September	107.1	124.9	4.1	3.8
2025	October to December	107.1	124.9	4.1	3.8
2026	January to March	100.5	124.5	3.7	3.4
2026	April to June	89.8	112.1	3.3	3.1
2026	July to September	78.6	97.6	2.9	2.7
2026	October to December	77.7	96.5	2.9	2.6
2027	January to March	36.0	47.0	1.3	1.2
2027	April to June	34.3	44.7	1.2	1.1
2027	July to September	18.7	24.4	0.7	0.6
2027	October to December	17.9	23.3	0.6	0.6
2028	January to March	16.7	23.2	0.6	0.5
2028	April to June	16.7	23.2	0.6	0.5
2028	July to September	0.8	1.1	0.0	0.0
SCAQMD CEQA Threshold[C]		**547**	**10,178**	**112**	**37**
Threshold Exceeded?		**No**	**No**	**No**	**No**

Source: MIG, 2023 (see Appendix A).\

(A) The data presented is the single highest daily emissions estimate for the listed monthly range. Combined maximum daily emissions estimates may be based on two or more site preparation, building construction, paving, etc. phases occurring at the same time in 2025 to 2027. Refer to Appendix A for detailed daily emissions by model, phase, and year.

(B) PM_{10} and $PM_{2.5}$ values are total emissions. Refer to Appendix A for component exhaust and dust emissions levels.

(C) LST thresholds are based on a 5-acre project and 200-meter (656-foot) receptor distance for SRA 30 (Coachella Valley).

Table 4-23: Combined Unmitigated Construction Maximum Daily LST Emissions by Year –Scenario 2 Off-Site Receptor

Year	Monthly Range	Maximum Daily LST Emissions (lbs/day)[A]			
		NOX	CO	PM_{10}[B]	$PM_{2.5}$[B]
2025	January to March	78.6	83.5	8.1	5.4
2025	April to June	221.0	221.6	34.7	21.6
2025	July to September	104.6	122.2	4.1	3.7
2025	October to December	104.6	122.2	4.1	3.7
2026	January to March	98.2	121.8	3.6	3.3
2026	April to June	87.5	109.4	3.3	3.0
2026	July to September	76.6	95.2	2.8	2.6
2026	October to December	76.6	95.2	2.8	2.6
2027	January to March	34.9	45.7	1.2	1.1
2027	April to June	33.2	43.4	1.2	1.1
2027	July to September	17.6	23.1	0.6	0.6
2027	October to December	16.8	22.0	0.6	0.6
2028	January to March	15.8	21.9	0.5	0.5
2028	April to June	15.8	21.9	0.5	0.5
2028	July to September	0.8	1.1	0.0	0.0
SCAQMD CEQA Threshold[C]		**547**	**10,178**	**112**	**37**
Threshold Exceeded?		**No**	**No**	**No**	**No**

Source: MIG, 2023 (see Appendix A).\

(A) The data presented is the single highest daily emissions estimate for the listed monthly range. Combined maximum daily emissions estimates may be based on two or more site preparation, building construction, paving, etc. phases occurring at the same time in 2025 to 2027. Refer to Appendix A for detailed daily emissions by model, phase, and year.

(B) PM_{10} and $PM_{2.5}$ values are total emissions. Refer to Appendix A for component exhaust and dust emissions levels.

(C) LST thresholds are based on a 5-acre project and 200-meter (656-foot) receptor distance for SRA 30 (Coachella Valley).

As shown in Table 4-22 and Table 4-23, emissions from potential construction activities occurring in the Project area would not exceed the SCAQMD's recommended construction LSTs at the closest off-site receptor. This impact would be **less than significant**.

4.5.1.2 Off-Site LST Operational Emissions Analysis

As described in Section 4.1.1, the proposed Project's potential operational emissions were estimated based on full development of the Project area by 2033. For the off-site receptor LST analysis, the on-site emissions from all Project area development (occurring on more than 180 acres) were compared to the SCAQMD's five-acre operational LST for SRA 30. This analysis, therefore, is conservative in that it compares emissions from the entire Project area to the LST threshold for a five-acre project. The results of the LST operations emissions analysis are summarized in Table 4-24 and Table 4-25.

Table 4-24: Unmitigated Operations Maximum Daily LST Emissions – Maximum Buildout Scenario Off-Site Receptor (Year 2033)

Project Emission Source	Maximum Daily On-Site LST Emissions (lbs/day)(A)			
	NOx	CO	PM_{10}	$PM_{2.5}$
Area	48.4	285.2	4.1	4.1
Energy	23.2	13.7	1.8	1.8
Mobile(B)	9.5	30.2	8.9	2.4
Off-Road	4.5	0.3	0.0	0.0
Total On-Site Emissions	**85.5**	**329.4**	**14.9**	**8.4**
SCAQMD LST Threshold(C)	**547**	**10,178**	**27**	**9**
Threshold Exceeded?	**No**	**No**	**No**	**No**

Source: MIG, 2023 (see Appendix A)

(A) Emissions presented are worst-case emissions and may reflect summer or winter emissions levels.

(B) Mobile source emissions are assumed to be 5% of the total regional mobile source emissions presented in Table 4-18.

(C) The LST thresholds are based on 5.0-acre project size and 656-foot receptor distance in SRA 30.

Table 4-25: Unmitigated Operations Maximum Daily LST Emissions – Scenario 2 Off-Site Receptor (Year 2033)

Project Emission Source	Maximum Daily On-Site LST Emissions (lbs/day)(A)			
	NOx	CO	PM_{10}	$PM_{2.5}$
Area	18.5	168.6	1.7	1.6
Energy	17.0	12.1	1.3	1.3
Mobile(B)	10.7	44.6	13.2	3.5
Off-Road	4.5	0.3	0.0	0.0
Total On-Site Emissions	**51.3**	**225.6**	**16.2**	**6.5**
SCAQMD LST Threshold(C)	**547**	**10,178**	**27**	**9**
Threshold Exceeded?	**No**	**No**	**No**	**No**

Source: MIG, 2023 (See Appendix A) and SCAQMD, 2009

(A) Emissions presented are worst-case emissions and may reflect summer or winter emissions levels.

(B) Mobile source emissions are assumed to be 5% of the total regional mobile source emissions presented in Table 4-19.

(C) The LST thresholds are based on 5.0-acre project size and 656-foot receptor distance in SRA 30.

As shown in Table 4-24 and Table 4-25, emissions from potential operational activities occurring in the Project area would not exceed the SCAQMD's recommended construction LST thresholds at the closest off-site receptor. This impact would be **less than significant**.

4.5.2 OFF-SITE HEALTH RISK ASSESSMENT (HRA)

Existing off-site receptors could be exposed to DPM and other TAC emissions that could lead to pollutant concentrations associated with adverse health risks. Accordingly, a construction and operational HRA was conducted to evaluate the proposed Project's TAC emissions concentrations. The HRA evaluates

the proposed Project's construction DPM emissions, operational DPM emissions, and operational gasoline fueling station TAC emissions (part of Scenario 2 only) at off-site receptor locations based on the TAC emissions and dispersion modeling described in Section 4.2.2. The HRA assumes off-site receptors are exposed to construction DPM emissions from all construction model runs occurring in 2025, 2026, 2027, and 2028, followed by operational DPM emissions and operational gasoline fueling station TAC emissions beginning in 2029 and 2027, respectively.[13]

4.5.2.1 Off-Site HRA – Maximum Buildout Scenario

The predicted location of the off-site MEIR for unmitigated DPM exposure during Maximum Buildout Scenario construction and operational activities is shown in Figure 4-1. The modeled annual average DPM concentrations at the MEIR, in micrograms per cubic meter (µg/m^3), and the resulting excess cancer risk estimate at the MEIR are summarized in Table 4-26. As explained in Section 4.5, the excess cancer risk estimate at the MEIR assumes the receptor is an infant (including 3rd trimester) for the first 2 years of exposure and then develops to a child and finally to an adult over the next 28 years of exposure. Refer to Appendix B and Appendix C for detailed modeling results and HRA calculations, respectively.

Table 4-26: Unmitigated Off-Site Receptor Excess Cancer Risk – Maximum Buildout Scenario

Year	Scenario	Annual Average DPM Concentration (µg/m^3)	Excess Cancer Risk (Per Million Population)(A)
2025	Construction DPM	0.03909	5.9
2026	Construction DPM	0.02019	2.8
2027	Construction DPM	0.01064	0.2
2028	Construction and Operational DPM	0.00058	0.0
2029 - 2054	Operational DPM	0.00103	0.3
		Total Excess Cancer Risk	**9.2**
		SCAQMD Cancer Risk Threshold	**10.0**
		Threshold Exceeded?	**No**

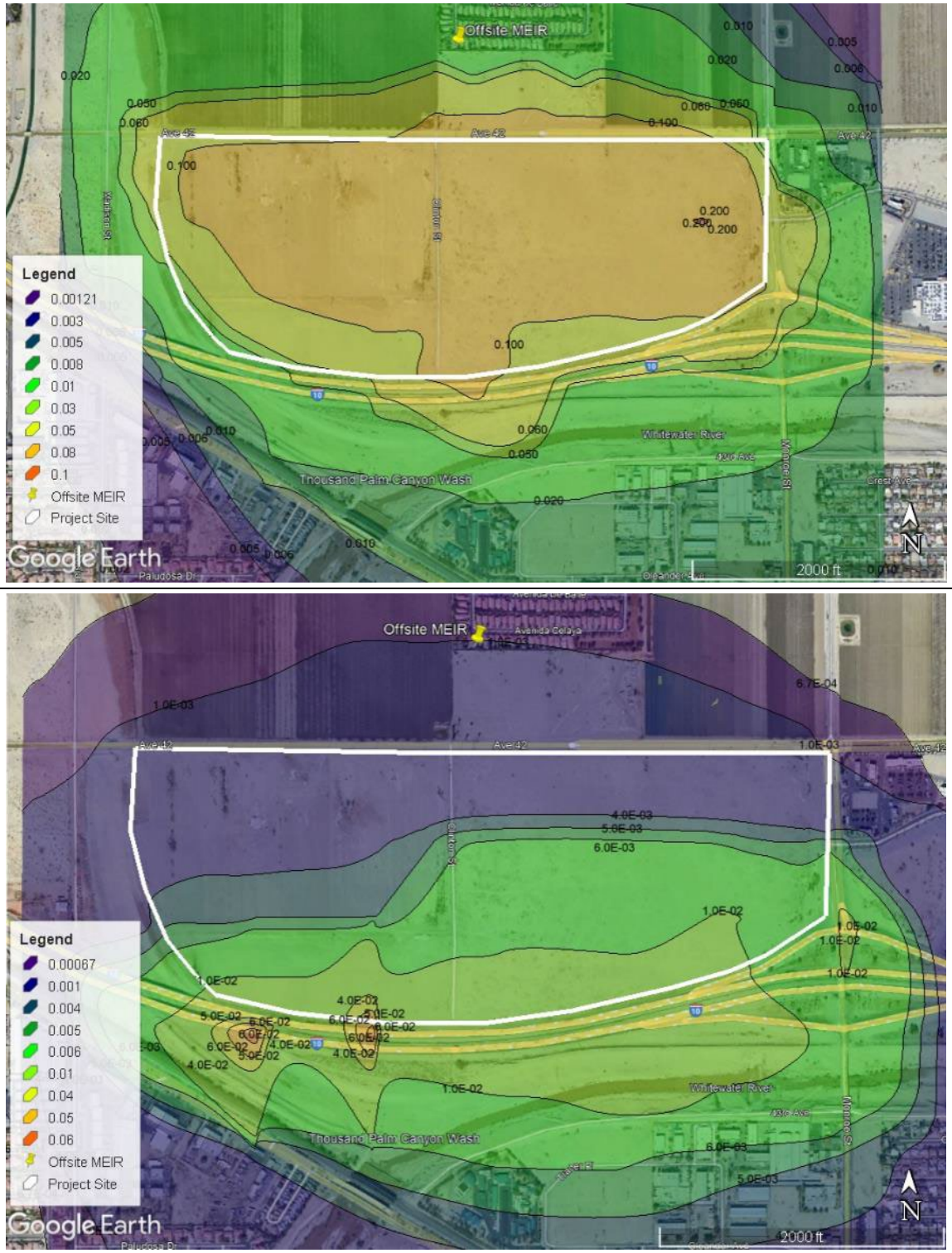
Source: MIG, 2023 (see Appendix C)

(A) Excess cancer risk estimate assumes the receptor is in the infant stage at the beginning of exposure and proceeds to child and adult stages over the 30-year exposure duration.

As shown in Table 4-26, the proposed Project's mitigated excess cancer risk from DPM would not exceed the SCAQMD risk threshold of 10 excess cancers per million population. This impact would be **less than significant**.

[13] The fueling station would be located in PA 2. As shown in Table 2-8, the Scenario 2 PA 2 Commercial Model construction activities would end in 2026.

Figure 4-1: Unmitigated Annual Average DPM Concentration (µg/m³) – Maximum Buildout Scenario Off-Site MEIR



Source: MIG 2023 (see Appendix B). Note: The top panel shows maximum construction concentrations. The bottom panel shows operational concentrations. The MEIR shown is the overall maximum exposed receptor for construction and operation.

Maximum Buildout Scenario Non-Carcinogenic Health Risks

As shown in Table 4-26, the modeled maximum annual average DPM concentration at the off-site MEIR for the Maximum Buildout Scenario would be approximately 0.03909 µg/m^3. Based on the chronic inhalation REL for DPM (5 µg/m^3), the calculated chronic hazard quotient during the maximum exposure to DPM concentration would be 0.008, which is below the SCAQMD's non-cancer hazard index threshold value of 1.0. This impact would be **less than significant**.

4.5.2.2 Off-Site HRA – Scenario 2

The predicted location of the off-site MEIRs for unmitigated DPM exposure during Scenario 2 construction and operational activities are shown in Figure 4-2. The modeled annual average DPM concentrations at the MEIRs, in micrograms per cubic meter (µg/m^3), and the resulting excess cancer risk estimate at the MEIRs are summarized in Table 4-27. As explained in Section 4.5, the excess DPM cancer risk estimates at the MEIR assume the receptor is an infant (including 3rd trimester) for the first 2 years of exposure and then develops to a child and finally to an adult over the next 28 years of exposure. In addition to DPM emissions, Scenario 2 could include a retail gasoline fueling station in PA 2 that would result in fugitive TAC emissions during fuel storage, transfer, and dispensing operations. As described in Section 4.2.3.3, the proposed Project's potential fugitive gasoline TAC emissions risks were estimated using the SCAQMD's Risk Tool for Gasoline Dispensing Service Stations, version 1.105. The facility throughput for this facility was assumed to be up to 2.0 million gallons per year. Based on the conceptual site plan shown in Figure 2-4, the fueling station would be located at least approximately 2,400 feet (750 meters) from the off-site MEIR for Scenario 2 shown in Figure 4-2 and Figure 4-3. Refer to Appendix B and Appendix C for detailed modeling results and HRA calculations, respectively.

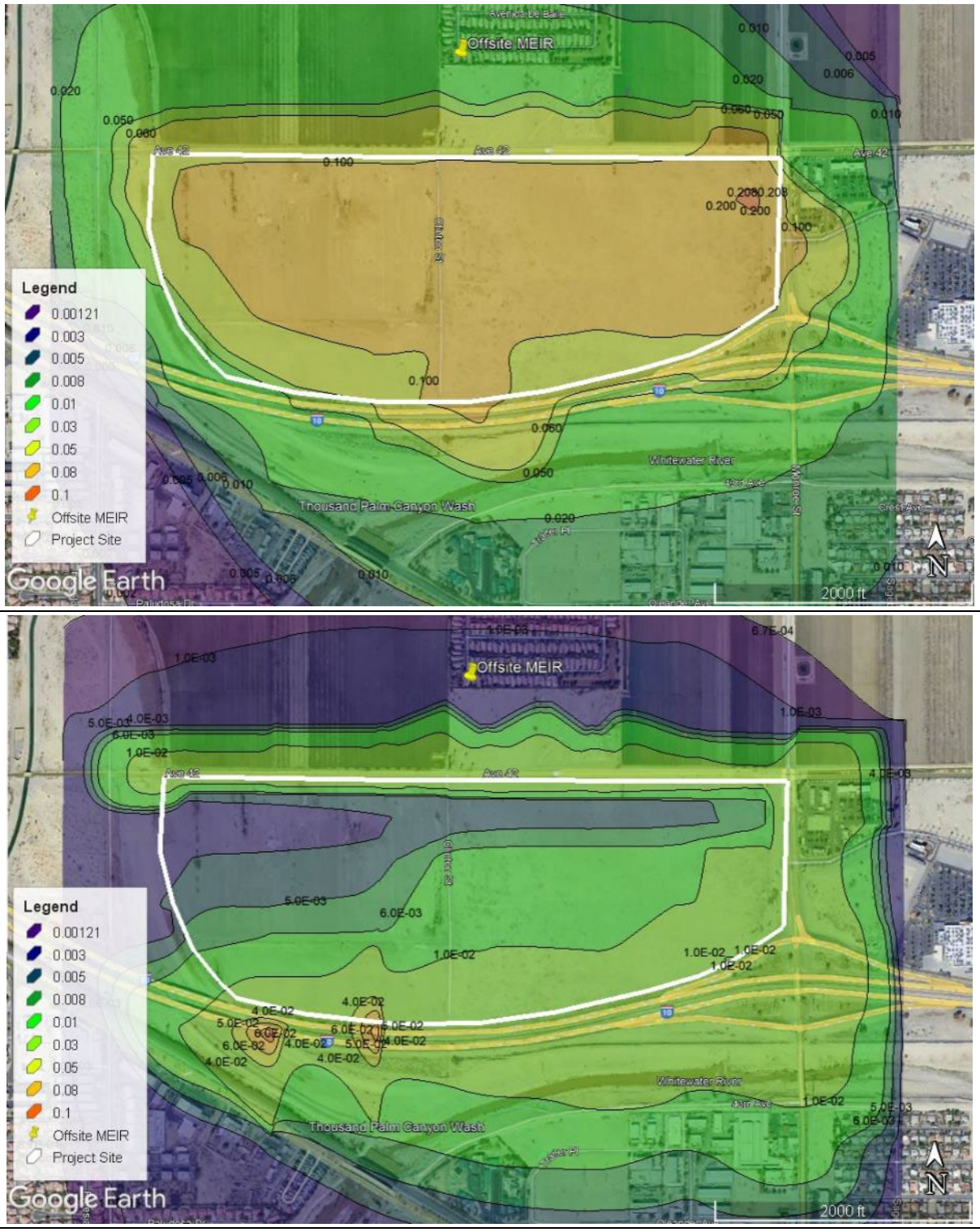
Table 4-27: Unmitigated Off-Site Receptor Excess Cancer Risk – Scenario 2

Year	Scenario	Annual Average DPM Concentration (µg/m^3)	Excess Cancer Risk (Per Million Population)(A)
2025	Construction DPM	0.03078	4.7
2026	Construction DPM	0.02155	3.0
2027	Construction DPM	0.0111	0.2
2028	Construction and Operational DPM	0.00431	0.1
2029 - 2054	Operational DPM	0.00024	0.1
		Subtotal, DPM Risk	*8.0*
2027 - 2054	Operational Fugitive Gasoline Station TACs	--	<0.1
		Total Excess Cancer Risk	**8.0**
		SCAQMD Cancer Risk Threshold	**10.0**
		Threshold Exceeded?	**No**

Source: MIG, 2023 (see Appendix C)

(A) Excess DPM cancer risk estimate assumes the receptor is in the infant stage at the beginning of exposure and proceeds to child and adult stages over the 30-year exposure duration.

Figure 4-2: Unmitigated Annual Average DPM Concentration (µg/m³) – Scenario 2 Off-Site MEIR



Source: MIG 2023 (see Appendix B) The top panel shows maximum construction concentrations. The bottom panel shows operational concentrations. The MEIR shown is the overall maximum exposed receptor for construction and operation.

As shown in Table 4-27, the proposed Project's unmitigated excess cancer risk from construction and operational DPM and fugitive gasoline TACs would not exceed the SCAQMD risk threshold of 10 excess cancers per million population. This impact would be **less than significant**.

Scenario 2 Non-Carcinogenic Health Risks

As shown in Table 4-27, the modeled maximum annual average DPM concentration at the off-site MEIR for Scenario 2 would be approximately 0.03078 µg/m^3. Based on the chronic inhalation REL for DPM (5 µg/m^3), the calculated chronic hazard quotient during the maximum exposure to DPM concentration would be 0.006, which is below the SCAQMD's non-cancer hazard index threshold value of 1.0. This impact would be **less than significant**.

4.5.3 ON-SITE LST EMISSIONS ANALYSIS

This scenario evaluates the proposed Project's construction and operational criteria air pollutant emissions at potential future on-site sensitive receptor locations. The on-site LST emissions analysis is conducted for two scenarios:

- **Receptor A:** The "Receptor A" analysis assumes the 06 MBS PA1 Northwest Residential and 09 S2 PA1 Northwest Residential models are complete prior to any other development project. Receptor A is then assumed to be exposed to LST emissions from all remaining construction models. For the Maximum Buildout Scenario, this includes the 04 PA4 Southwest Industrial, 05 PA4 Southeast Industrial, 07 PA1 Northwest and PA2 Northeast Mixed-Use, and 08 MBS PA3 Residential models. For Scenario 2, this includes the 04 PA4 Southwest Industrial, 05 PA4 Southeast Industrial, 10 PA1 Northeast Residential construction models, 11 PA2 Commercial, and 12 PA3 Commercial models.
- **Receptor B:** The "Receptor B" analysis assumes the 06 MBS PA1 Northwest and PA 2 Northeast Mixed-Use and 10 S2 PA1 Northeast Residential models are complete prior to any other development project. Receptor B is then assumed to be exposed to LST emissions from all remaining construction models. For the Maximum Buildout Scenario this includes the 04 PA4 Southwest Industrial, 05 PA4 Southeast Industrial, 06 PA1 Northwest Residential, and 08 PA3 Residential construction models. For Scenario 2, this includes the 04 PA4 Southwest Industrial, 05 PA4 Southeast Industrial, 09 PA1 Northwest Residential, 11 PA3 Commercial, and 12 PA3 Commercial construction models.

4.5.3.1 On-Site LST Construction Emissions Analysis

As described in Section 4.2.1.1, the proposed Project's potential construction emissions were estimated using individual construction models. For the on-site receptor LST analysis, the on-site construction emissions from relevant construction models for the Receptor A and Receptor B scenarios were compared to the SCAQMD's five-acre construction LST for SRA 30. This analysis, therefore, is conservative in that it compares emissions from construction models that are generally approximately 10 to 49 acres to the LST threshold for a 5-acre project. The proposed Project's unmitigated construction maximum daily LST emissions at potential future receptors in the Project area are summarized for each construction model in Table 4-28 (Maximum Buildout Scenario Receptor A), Table 4-29 (Maximum Buildout Scenario Receptor B), Table 4-30 (Scenario 2 Receptor A), and Table 4-31 (Scenario 2 Receptor B).

Table 4-28: Unmitigated Construction Maximum Daily LST Emissions by Model and Phase – Maximum Buildout Scenario Receptor A

Construction Model and Phase	Maximum Daily Regional Emissions (lbs/day)(A)			
	NOx	CO	PM_{10}(B)	$PM_{2.5}$(B)
04 PA4 Industrial Southwest				
Site Preparation	43.8	43.3	6.9	4.3
Building Construction	22.6	26.1	0.9	0.8
Paving	18.4	23.1	0.7	0.7
Architectural Coating	0.9	1.1	0.0	0.0
SCAQMD CEQA Threshold(C)	**304**	**2,292**	**14**	**8**
Threshold Exceeded?	**No**	**No**	**No**	**No**
05 PA 4 Industrial Southeast				
Site Preparation	43.3	42.8	6.9	4.3
Building Construction	22.1	25.7	0.9	0.8
Paving	18.0	22.6	0.7	0.7
Architectural Coating	0.9	1.1	<0.1	<0.1
SCAQMD CEQA Threshold(C)	**304**	**2,292**	**14**	**8**
Threshold Exceeded?	**No**	**No**	**No**	**No**
07 MBS PA1 Northwest and PA2 Mixed-Use				
Site Preparation	41.2	40.5	6.8	4.2
Building Construction	20.0	23.4	0.8	0.7
Paving	14.4	20.2	0.5	0.5
Architectural Coating	0.8	1.1	<0.1	<0.1
SCAQMD CEQA Threshold(C)	**304**	**2,292**	**14**	**8**
Threshold Exceeded?	**No**	**No**	**No**	**No**
08 MBS PA3 Residential				
Site Preparation	34.1	32.8	6.6	4.0
Building Construction	12.9	15.7	0.5	0.5
Paving	9.4	12.6	0.4	0.4
Architectural Coating	0.9	1.1	<0.1	<0.1
SCAQMD CEQA Threshold(C)	**875**	**31,115**	**248**	**128**
Threshold Exceeded?	**No**	**No**	**No**	**No**

Source: MIG 2023 (see Appendix A)

(A) The data presented is the single highest daily on-site emissions estimate for the listed phase. Maximum daily site preparation emissions occur in 2025. Maximum daily building construction, paving, and architectural coating emissions may occur in 2025, 2026, 2027, or 2028. Refer to Appendix A for detailed daily emissions by model, phase, and year.

(B) PM_{10} and $PM_{2.5}$ values are total emissions. Refer to Appendix A for component exhaust and dust emissions levels.

(C) LST thresholds are for a 5-acre project in SRA 30 (Coachella Valley). Thresholds are for a receptor located 82 feet (25 meter) away for all models except 08 MBS PA3 Residential, which is based on a receptor distance of at least 1,6450 feet (500 meters).

Table 4-29: Unmitigated Construction Maximum Daily LST Emissions by Model and Phase – Maximum Buildout Scenario Receptor B				
Construction Model and Phase	**Maximum Daily Regional Emissions (lbs/day)(A)**			
	NOx	**CO**	**PM_{10}(B)**	**$PM_{2.5}$(B)**
04 PA4 Industrial Southwest				
Site Preparation	43.8	43.3	6.9	4.3
Building Construction	22.6	26.1	0.9	0.8
Paving	18.4	23.1	0.7	0.7
Architectural Coating	0.9	1.1	<0.1	<0.1
SCAQMD CEQA Threshold(C)	**304**	**2,292**	**14**	**8**
Threshold Exceeded?	**No**	**No**	**No**	**No**
05 PA 4 Industrial Southeast				
Site Preparation	43.3	42.8	6.9	4.3
Building Construction	22.1	25.7	0.9	0.8
Paving	18.0	22.6	0.7	0.7
Architectural Coating	0.9	1.1	<0.1	<0.1
SCAQMD CEQA Threshold(C)	**304**	**2,292**	**14**	**8**
Threshold Exceeded?	**No**	**No**	**No**	**No**
06 MBS PA1 Northwest Residential				
Site Preparation	39.5	38.7	6.8	4.1
Building Construction	18.3	21.5	0.7	0.7
Paving	13.9	18.5	0.5	0.5
Architectural Coating	0.8	1.1	<0.1	<0.1
SCAQMD CEQA Threshold(C)	**304**	**2,292**	**14**	**8**
Threshold Exceeded?	**No**	**No**	**No**	**No**
08 MBS PA3 Residential				
Site Preparation	34.1	32.8	6.6	4.0
Building Construction	12.9	15.7	0.5	0.5
Paving	9.4	12.6	0.4	0.4
Architectural Coating	0.9	1.1	<0.1	<0.1
SCAQMD CEQA Threshold(C)	**875**	**31,115**	**248**	**128**
Threshold Exceeded?	**No**	**No**	**No**	**No**

Source: MIG 2023 (see Appendix A)

(A) The data presented is the single highest daily on-site emissions estimate for the listed phase. Maximum daily site preparation emissions occur in 2025. Maximum daily building construction, paving, and architectural coating emissions may occur in 2025, 2026, 2027, or 2028. Refer to Appendix A for detailed daily emissions by model, phase, and year.

(B) PM_{10} and $PM_{2.5}$ values are total emissions. Refer to Appendix A for component exhaust and dust emissions levels.

(C) LST thresholds are for a 5-acre project in SRA 30 (Coachella Valley). Thresholds are for a receptor located 82 feet (25 meter) away for all models except 08 MBS PA3 Residential, which is based on a receptor distance of at least 1,6450 feet (500 meters).

Table 4-30: Unmitigated Construction Maximum Daily LST Emissions by Model and Phase – Scenario 2 Receptor A				
Construction Model and Phase	**Maximum Daily Regional Emissions (lbs/day)[A]**			
	NOx	**CO**	**PM_{10}[B]**	**$PM_{2.5}$[B]**
04 PA4 Industrial Southwest				
Site Preparation	43.8	43.3	6.9	4.3
Building Construction	22.6	26.1	0.9	0.8
Paving	18.4	23.1	0.7	0.7
Architectural Coating	0.9	1.1	<0.1	<0.1
SCAQMD CEQA Threshold[C]	**304**	**2,292**	**14**	**8**
Threshold Exceeded?	**No**	**No**	**No**	**No**
05 PA 4 Industrial Southeast				
Site Preparation	43.3	42.8	6.9	4.3
Building Construction	22.1	25.7	0.9	0.8
Paving	18.0	22.6	0.7	0.7
Architectural Coating	0.9	1.1	<0.1	<0.1
SCAQMD CEQA Threshold[C]	**304**	**2,292**	**14**	**8**
Threshold Exceeded?	**No**	**No**	**No**	**No**
10 S2 PA1 Northeast Residential				
Site Preparation	4.6	48.3	5.3	2.8
Building Construction	3.0	32.8	0.1	0.1
Paving	4.3	30.6	0.2	0.2
Architectural Coating	<0.1	<0.1	<0.1	<0.1
SCAQMD CEQA Threshold[C]	**304**	**2,292**	**14**	**8**
Threshold Exceeded?	**No**	**No**	**No**	**No**
11 S2 PA2 Commercial				
Site Preparation	2.9	31.1	5.2	2.7
Building Construction	1.3	15.6	0.1	0.1
Paving	2.7	12.1	0.1	0.1
Architectural Coating	<0.1	<0.1	<0.1	<0.1
SCAQMD CEQA Threshold[C]	**875**	**31,115**	**248**	**128**
Threshold Exceeded?	**No**	**No**	**No**	**No**

Table 4-30: Unmitigated Construction Maximum Daily LST Emissions by Model and Phase – Scenario 2 Receptor A				
Construction Model and Phase	**Maximum Daily Regional Emissions (lbs/day)(A)**			
	NOx	**CO**	**PM_{10}(B)**	**$PM_{2.5}$(B)**
12 S2 PA3 Commercial				
Site Preparation	3.2	34.2	5.2	2.8
Building Construction	3.5	15.5	0.1	0.1
Paving	2.9	16.5	0.1	0.1
Architectural Coating	<0.1	<0.1	<0.1	<0.1
SCAQMD CEQA Threshold(C)	**875**	**31,115**	**248**	**128**
Threshold Exceeded?	**No**	**No**	**No**	**No**

Source: MIG 2023 (see Appendix A)

(A) The data presented is the single highest daily on-site emissions estimate for the listed phase. Maximum daily site preparation emissions occur in 2025. Maximum daily building construction, paving, and architectural coating emissions may occur in 2025, 2026, 2027, or 2028. Refer to Appendix A for detailed daily emissions by model, phase, and year.

(B) PM_{10} and $PM_{2.5}$ values are total emissions. Refer to Appendix A for component exhaust and dust emissions levels.

(C) LST thresholds are for a 5-acre project in SRA 30 (Coachella Valley). Thresholds are for a receptor located 82 feet (25 meter) away for all models except 11 S2 PA2 Commercial and 12 S2 PA3 Commercial, which are based on a receptor distance of at least 1,6450 feet (500 meters).

Table 4-31: Unmitigated Construction Maximum Daily LST Emissions by Model and Phase – Scenario 2 Receptor B				
Construction Model and Phase	**Maximum Daily Regional Emissions (lbs/day)(A)**			
	NOx	**CO**	**PM_{10}(B)**	**$PM_{2.5}$(B)**
04 PA4 Industrial Southwest				
Site Preparation	43.8	43.3	6.9	4.3
Building Construction	22.6	26.1	0.9	0.8
Paving	18.4	23.1	0.7	0.7
Architectural Coating	0.9	1.1	<0.1	<0.1
SCAQMD CEQA Threshold(C)	**304**	**2,292**	**14**	**8**
Threshold Exceeded?	**No**	**No**	**No**	**No**
05 PA 4 Industrial Southeast				
Site Preparation	43.3	42.8	6.9	4.3
Building Construction	22.1	25.7	0.9	0.8
Paving	18.0	22.6	0.7	0.7
Architectural Coating	0.9	1.1	<0.1	<0.1
SCAQMD CEQA Threshold(C)	**304**	**2,292**	**14**	**8**
Threshold Exceeded?	**No**	**No**	**No**	**No**

Table 4-31: Unmitigated Construction Maximum Daily LST Emissions by Model and Phase – Scenario 2 Receptor B				
Construction Model and Phase	**Maximum Daily Regional Emissions (lbs/day)(A)**			
	NOx	**CO**	**PM_{10}(B)**	**$PM_{2.5}$(B)**
9 S2 PA1 Northwest Residential				
Site Preparation	4.5	47.1	5.3	2.8
Building Construction	2.9	31.6	0.1	0.1
Paving	4.2	29.4	0.2	0.2
Architectural Coating	<0.1	<0.1	<0.1	<0.1
SCAQMD CEQA Threshold(C)	**304**	**2,292**	**14**	**8**
Threshold Exceeded?	**No**	**No**	**No**	**No**
11 S2 PA2 Commercial				
Site Preparation	2.9	31.1	5.2	2.7
Building Construction	1.3	15.6	0.1	0.1
Paving	2.7	12.1	0.1	0.1
Architectural Coating	<0.1	<0.1	<0.1	<0.1
SCAQMD CEQA Threshold(C)	**875**	**31,115**	**248**	**128**
Threshold Exceeded?	**No**	**No**	**No**	**No**
12 S2 PA3 Commercial				
Site Preparation	3.2	34.2	5.2	2.8
Building Construction	3.5	15.5	0.1	0.1
Paving	2.9	16.5	0.1	0.1
Architectural Coating	<0.1	<0.1	<0.1	<0.1
SCAQMD CEQA Threshold(C)	**875**	**31,115**	**248**	**128**
Threshold Exceeded?	**No**	**No**	**No**	**No**

Source: MIG 2023 (see Appendix A)

(A) The data presented is the single highest daily on-site emissions estimate for the listed phase. Maximum daily site preparation emissions occur in 2025. Maximum daily building construction, paving, and architectural coating emissions may occur in 2025, 2026, 2027, or 2028. Refer to Appendix A for detailed daily emissions by model, phase, and year.

(B) PM_{10} and $PM_{2.5}$ values are total emissions. Refer to Appendix A for component exhaust and dust emissions levels.

(C) LST thresholds are for a 5-acre project in SRA 30 (Coachella Valley). Thresholds are for a receptor located 82 feet (25 meter) away for all models except 11 S2 PA2 Commercial and 12 S2 PA3 Commercial, which are based on a receptor distance of at least 1,6450 feet (500 meters).

As shown in Table 4-28 to Table 4-31, the proposed Project's individual construction models would not generate on-site construction emissions that would exceed SCAQMD-recommended LST thresholds at potential future on-site Receptor A or Receptor B.

Potential on-site construction emissions from relevant construction models for the Receptor A and Receptor B scenarios could combine according to the conceptual schedules shown in Table 2-7 and Table 2-8; however, as shown in Table 4-28 to Table 4-31, each individual construction model would be substantially below SCAQMD NO_X and CO LST thresholds for a five acre-site and combined NO_X and CO emissions would not exceed SCAQMD LST thresholds at Receptor A or Receptor B. Localized emissions of PM_{10} and $PM_{2.5}$ for each individual construction model would also be below SCAQMD LST thresholds for

a five-acre project even though modeled acreages were substantially greater than five acres. As described in Section 3.2.7.3 and 3.2.8.2, the proposed Project would be subject to SCAQMD and Indio requirements for the control of fugitive dust from construction work sites that would ensure local air quality impacts do not occur. In addition, Mitigation Measure AIR-2 would require all future development in the Project to reduce PM_{10} and $PM_{2.5}$ exhaust emission which, as described in Section 4.5.4, would reduce construction-related PM_{10} and $PM_{2.5}$ exhaust emissions to levels that do not result in substantial pollutant concentrations. For these reasons, combined LST emissions impacts would be a **less than significant impact.**

4.5.3.2 On-Site LST Operational Emissions Analysis

The proposed Project's maximum daily operational LST emissions are summarized in Table 4-24 (Maximum Buildout Scenario) and Table 4-25 (Maximum Buildout Scenario). The Project's worst-case total combined NO_X (88.5 lbs/day) and CO emissions (329.4 lbs/day) estimates under the Maximum Buildout Scenario would not exceed any SCAQMD LST thresholds, including thresholds for a 5-acre project and a 25-meter receptor distance (304 lbs/day for NO_X and 2,292 lbs/day for CO; see Table 4-2). In addition, as described in more detail in Section 4.5.4, the on-site HRA conducted for the Project indicates operational PM_{10} and $PM_{2.5}$ emissions would not result in substantial pollutant concentrations at on-site receptor locations. For these, the proposed Project's on-site LST emissions would be a **less than significant impact**.

4.5.4 ON-SITE HRA

Like off-site receptors (see Section 4.5.2), potential future on-site receptors could also be exposed to DPM and other TAC emissions associated with adverse health risks. Accordingly, a construction and operational HRA was also conducted to evaluate the proposed Project's TAC emissions concentrations at potential future on-site receptors. The HRA was conducted for the same two scenarios (Receptor A and Receptor B) as the on-site LST analysis. Thus, the HRA is conservative because it assumes that potential Receptor A and Receptor B would be exposed to all potential construction-related DPM emissions when in actuality some construction DPM may be emitted before a residential receptor is present in the Project area. The results of this HRA are summarized below. Refer to Appendix B and Appendix C for detailed modeling results and HRA calculations, respectively.

4.5.4.1 On-Site HRA – Maximum Buildout Scenario

The predicted location of the on-site MEIR A and MEIR B for unmitigated DPM exposure during Maximum Buildout Scenario construction and operational activities is shown in Figure 4-3 (Receptor A) and Figure 4-4 (Receptor B). The modeled annual average DPM concentrations at MEIR A and MEIR B, in micrograms per cubic meter ($\mu g/m^3$), and the resulting excess cancer risk estimate at the MEIRs are summarized in Table 4-32 (Receptor A) and Table 4-33 (Receptor B). As explained in Section 4.5, the excess cancer risk estimate at the MEIR assumes the receptor is an infant (including 3rd trimester) for the first 2 years of exposure and then develops to a child and finally to an adult over the next 28 years of exposure. Refer to Appendix B and Appendix C for detailed modeling results and HRA calculations, respectively.

Table 4-32: Unmitigated On-Site Excess Cancer Risk – Maximum Buildout Scenario MEIR A			
Year	**Scenario**	**Annual Average DPM Concentration (µg/m³)**	**Excess Cancer Risk (Per Million Population)(A)**
2025	Construction DPM	0.03711	5.6
2026	Construction DPM	0.05762	8.0
2027	Construction DPM	0.03251	0.6
2028	Construction and Operational DPM	0.01893	0.4
2029 - 2054	Operational DPM	0.00276	0.7
		Total Excess Cancer Risk	**15.3**
		SCAQMD Cancer Risk Threshold	**10.0**
		Threshold Exceeded?	**Yes**

Source: MIG, 2023 (see Appendix C)

(A) Excess cancer risk estimate assumes the receptor is in the infant stage at the beginning of exposure and proceeds to child and adult stages over the 30-year exposure duration.

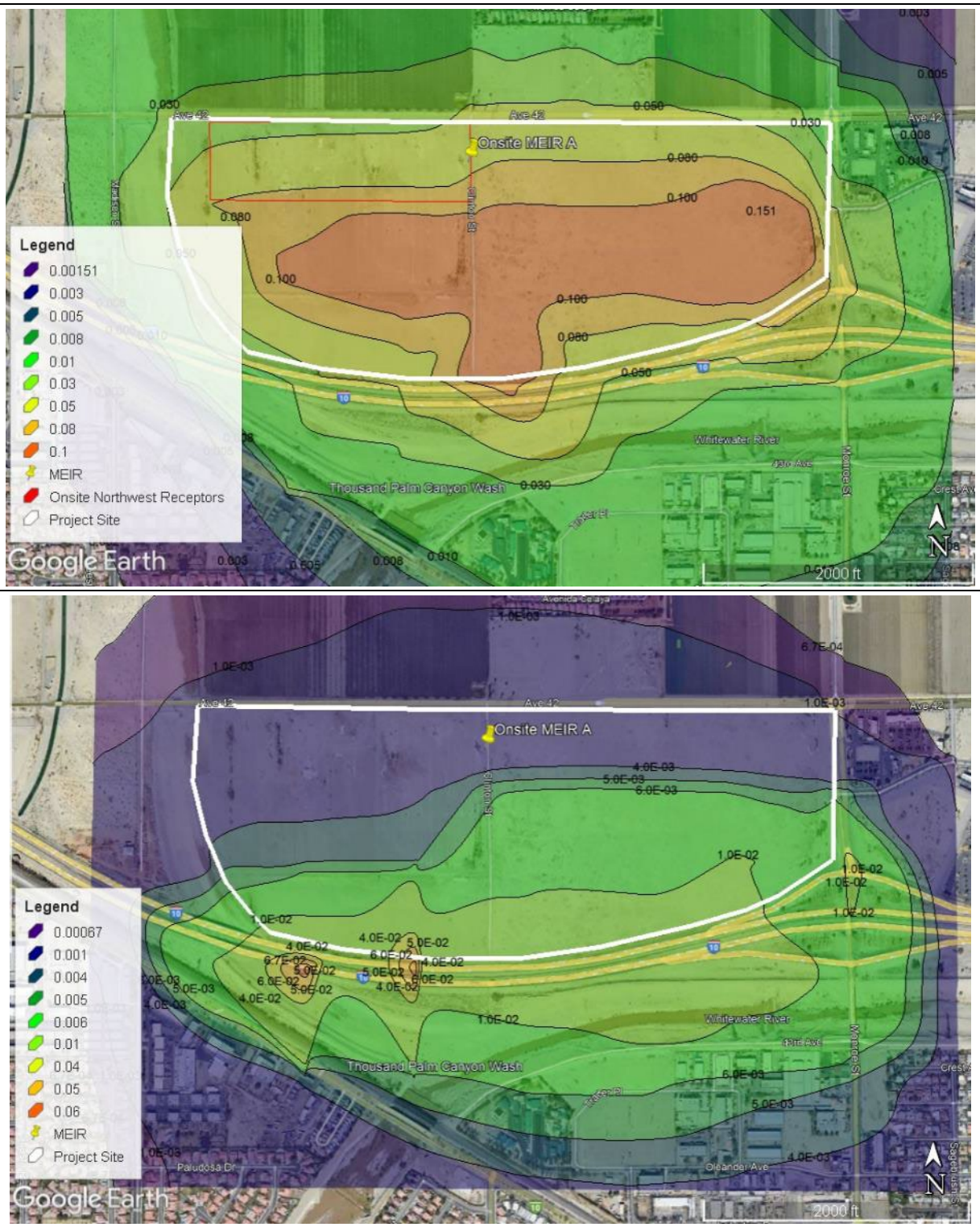
Table 4-33: Unmitigated On-Site Excess Cancer Risk – Maximum Buildout Scenario MEIR B			
Year	**Scenario**	**Annual Average DPM Concentration (µg/m³)**	**Excess Cancer Risk (Per Million Population)(A)**
2025	Construction DPM	0.05863	8.9
2026	Construction DPM	0.06324	8.8
2027	Construction DPM	0.01567	0.3
2028	Construction and Operational DPM	0.00410	0.1
2029 - 2054	Operational DPM	0.00414	1.1
		Total Excess Cancer Risk	**19.2**
		SCAQMD Cancer Risk Threshold	**10.0**
		Threshold Exceeded?	**Yes**

Source: MIG, 2023 (see Appendix C)

(A) Excess cancer risk estimate assumes the receptor is in the infant stage at the beginning of exposure and proceeds to child and adult stages over the 30-year exposure duration.

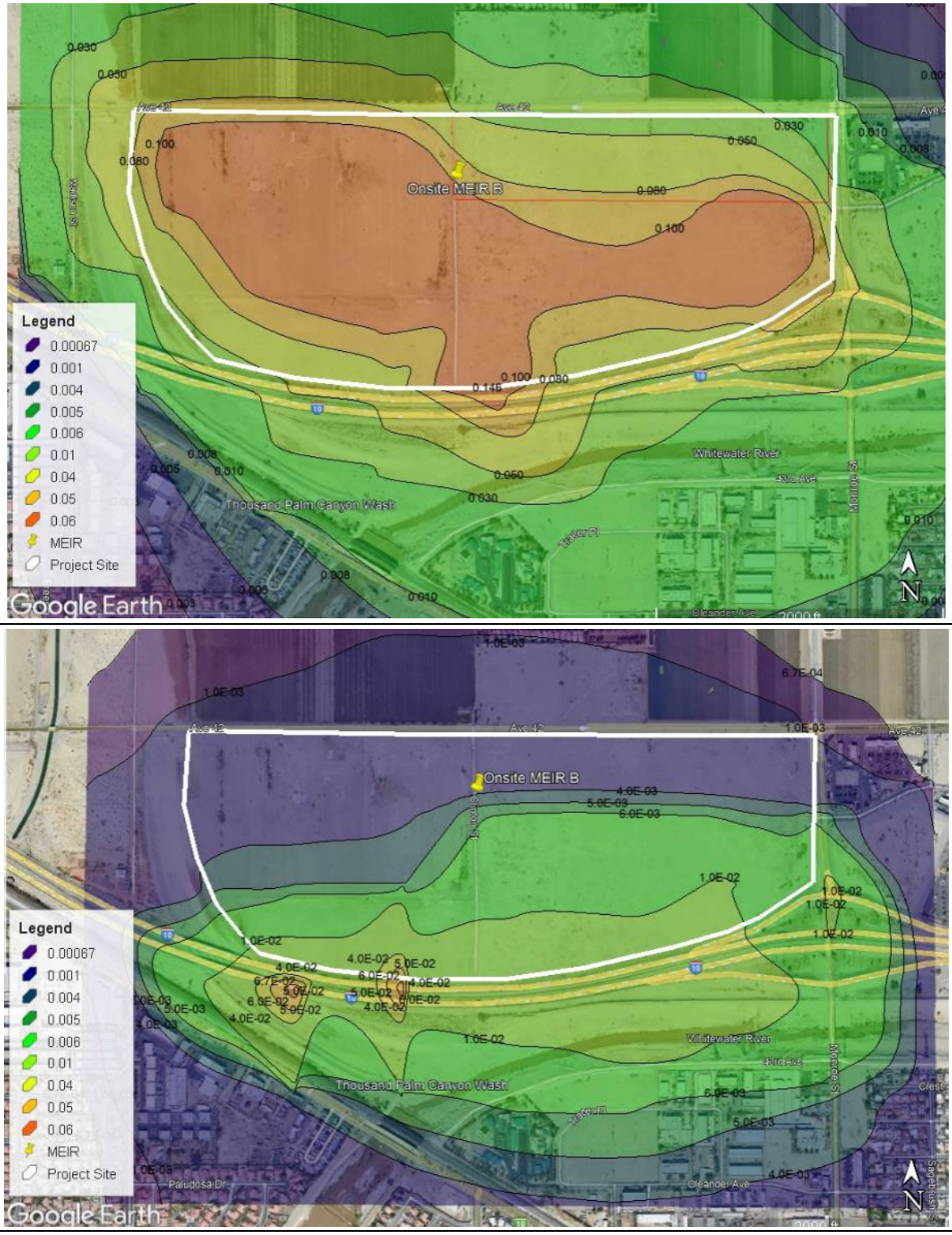
As shown in Table 4-32 and Table 4-33, the proposed Project's mitigated excess cancer risk from DPM would exceed the SCAQMD risk threshold of 10 excess cancers per million population for the Maximum Buildout Scenario. Construction-related risks in the years 2025 to 2028 account for approximately 94% of the total calculated unmitigated excess carcinogenic risk. The proposed Project's construction and operational-related health risks under the Maximum Buildout Scenario would be a **potentially significant impact.**

Figure 4-3: Unmitigated On-Site Annual Average DPM Concentration (µg/m³) – Maximum Buildout Scenario MEIR A



Source: MIG 2023 (see Appendix B). The top panel shows maximum construction concentrations. The bottom panel shows operational concentrations. The MEIR shown is the overall maximum exposed receptor for construction and operation.

Figure 4-4: Unmitigated On-Site Annual Average DPM Concentration (µg/m³) – Maximum Buildout Scenario MEIR B



Source: MIG 2023 (see Appendix B). The top panel shows maximum construction concentrations. The bottom panel shows operational concentrations. The MEIR shown is the overall maximum exposed receptor for construction and operation.

Maximum Buildout Scenario Non-Carcinogenic Health Risks

As shown in Table 4-32 and Table 4-33, the modeled maximum unmitigated annual average DPM concentration at MEIR A and MEIR B for the Maximum Buildout Scenario would be approximately 0.05762 µg/m^3 and 0.06324 µg/m^3, respectively. Based on the chronic inhalation REL for DPM (5 µg/m^3), the calculated chronic hazard quotient during the maximum exposure to DPM concentration would be 0.012 for the MEIR A and 0.013 for the MEIR B, which are below the SCAQMD's non-cancer hazard index threshold value of 1.0. This impact would be **less than significant**.

4.5.4.2 On-Site HRA – Scenario 2

The predicted location of the on-site MEIR A and MEIR B for unmitigated DPM exposure during Scenario 2 construction and operational activities is shown in Figure 4-5 (Receptor A) and Figure 4-6 (Receptor B). The modeled annual average DPM concentrations at MEIR A and MEIR B, in micrograms per cubic meter (µg/m^3), and the resulting excess cancer risk estimate at the MEIRs are summarized in Table 4-34 (Receptor A) and Table 4-35 (Receptor B). As explained in Section 4.5, the excess cancer risk estimates at the MEIR for DPM assume the receptor is an infant (including 3rd trimester) for the first 2 years of exposure and then develops to a child and finally to an adult over the next 28 years of exposure. As described in Section 4.5.2.2, the proposed Project could include a retail gasoline fueling station in PA 2 that could result in fugitive TAC emissions during fuel storage, transfer, and dispensing operations. The potential fugitive gasoline TAC emissions risks were estimated using the SCAQMD's Risk Tool for Gasoline Dispensing Service Stations, version 1.105. The facility throughput was assumed to be up to 2.0 million gallons per year. Based on the conceptual site plan shown in Figure 2-4, the distance from the center of the potential fueling area to the on-site MEIRs for Scenario 2 would be at least 2,450 feet (750 meters) for Receptor A (see Figure 4-5) and 165 feet (50 meters) for Receptor B (see Figure 4-6). Refer to Appendix B and Appendix C for detailed dispersion model outputs and HRA calculations, respectively.

Table 4-34: Unmitigated On Site Excess Cancer Risk – Scenario 2 MEIR A

Year	Scenario	Annual Average DPM Concentration (µg/m^3)	Excess Cancer Risk (Per Million Population)(A)
2025	Construction DPM	0.06148	9.3
2026	Construction DPM	0.06069	8.5
2027	Construction DPM	0.01317	0.2
2028	Construction and Operational DPM	0.01663	0.3
2029 - 2054	Operational DPM	0.00441	1.2
		Subtotal, DPM Risk	*19.5*
2027 - 2054	Operational Fugitive Gasoline Station TACs	--	<0.1
		Total Excess Cancer Risk	**19.5**
		SCAQMD Cancer Risk Threshold	**10.0**
		Threshold Exceeded?	**Yes**

Source: MIG, 2023 (see Appendix C)

(A) Excess DPM cancer risk estimate assumes the receptor is in the infant stage at the beginning of exposure and proceeds to child and adult stages over the 30-year exposure duration.

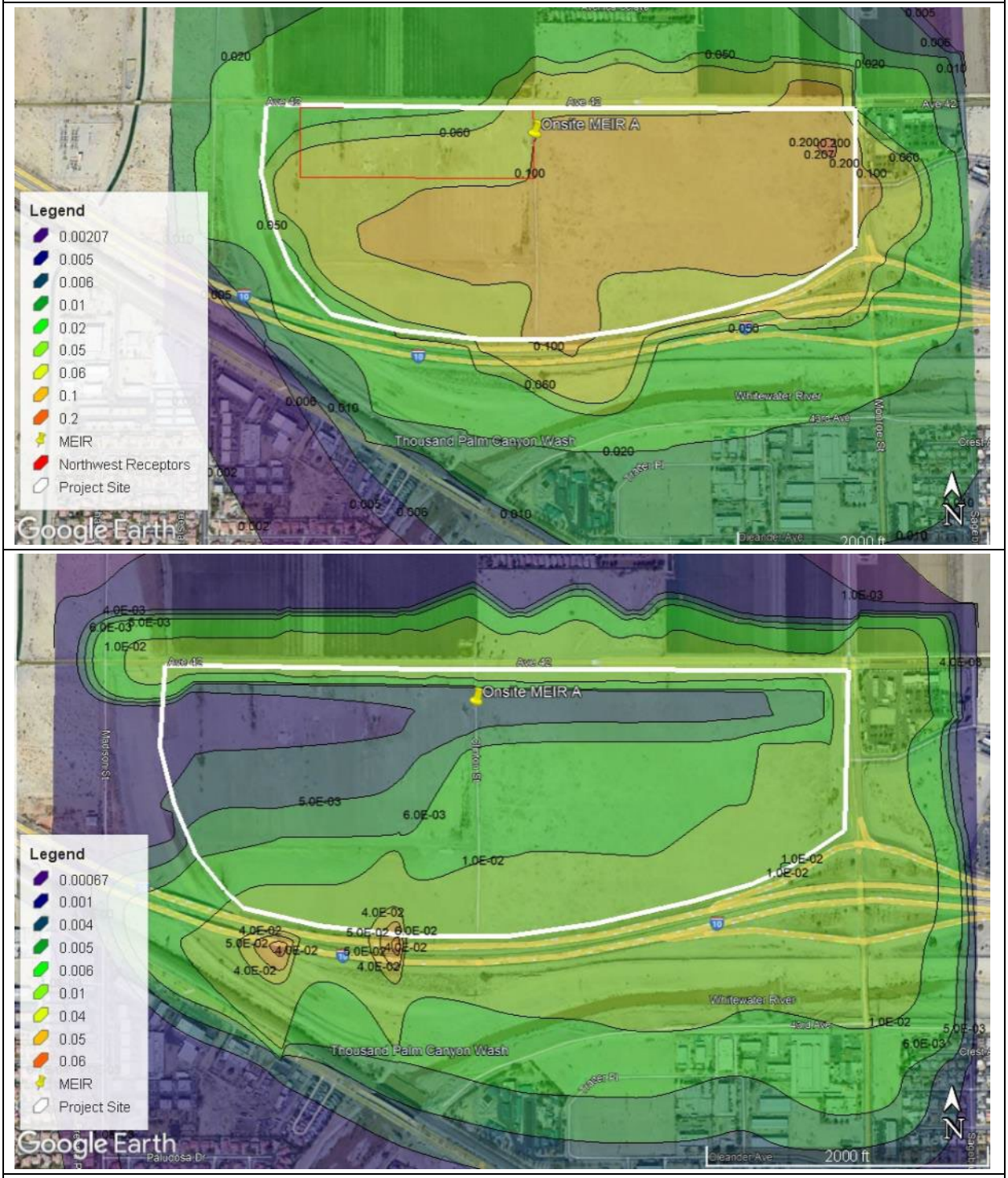
Table 4-35: Unmitigated On-Site Excess Cancer Risk – Scenario 2 MEIR B			
Year	**Scenario**	**Annual Average DPM Concentration (µg/m³)**	**Excess Cancer Risk (Per Million Population)(A)**
2025	Construction DPM	0.14775	22.3
2026	Construction DPM	0.05672	7.9
2027	Construction DPM	0.00357	0.1
2028	Construction and Operational DPM	0.00534	0.1
2029 - 2054	Operational DPM	0.00534	1.4
		Subtotal, DPM Risk	*31.8*
2027 - 2054	Operational Fugitive Gasoline Station TACs	--	1.1
		Total Excess Cancer Risk	**32.9**
		SCAQMD Cancer Risk Threshold	**10.0**
		Threshold Exceeded?	**Yes**

Source: MIG, 2023 (see Appendix C)

(A) Excess DPM cancer risk estimate assumes the receptor is in the infant stage at the beginning of exposure and proceeds to child and adult stages over the 30-year exposure duration.

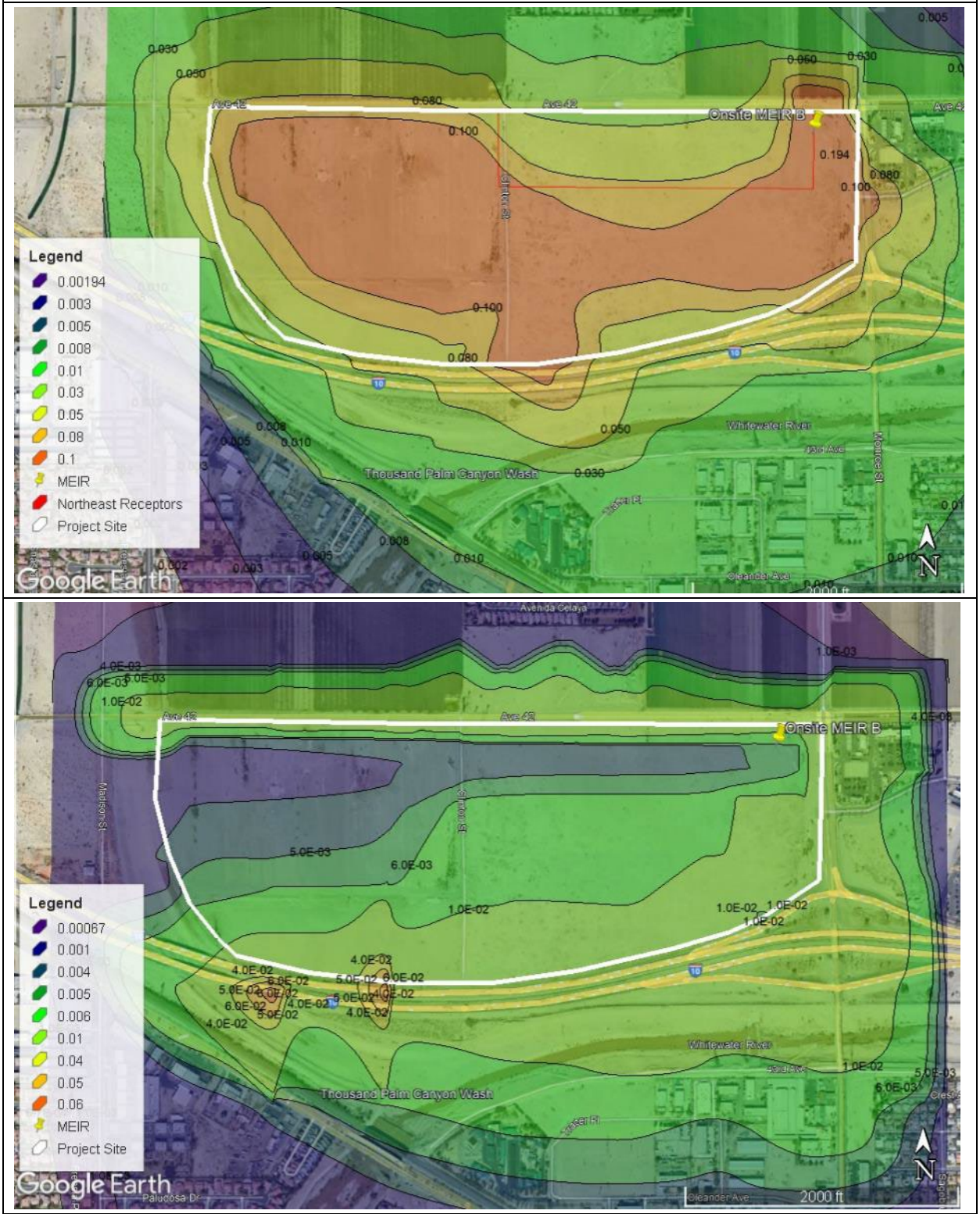
As shown in Table 4-34 and Table 4-35, the proposed Project's unmitigated excess cancer risk from construction and operational DPM and fugitive gasoline station TACs would exceed the SCAQMD risk threshold of 10 excess cancers per million population. Like the Maximum Buildout Scenario, construction-related risks in the years 2025 to 2028 account for approximately 92% of the total calculated unmitigated excess carcinogenic risk. The proposed Project's construction and operational-related health risks under Scenario 2 would be a **potentially significant impact**.

Figure 4-5: Unmitigated Annual Average DPM Concentration (µg/m³) –Scenario 2 MEIR A



Source: MIG 2023 (see Appendix B). The top panel shows maximum construction concentrations. The bottom panel shows operational concentrations. The MEIR shown is the overall maximum exposed receptor for construction and operation.

Figure 4-6: Unmitigated Annual Average DPM Concentration (µg/m³) – Scenario 2 MEIR B



Source: MIG 2023 (see Appendix B). The top panel shows maximum construction concentrations. The bottom panel shows operational concentrations. The MEIR shown is the overall maximum exposed receptor for construction and operation.

Scenario 2 Non-Carcinogenic Health Risks

As shown in Table 4-34 and Table 4-35, the modeled maximum unmitigated annual average DPM concentration at MEIR A and MEIR B for Scenario 2 would be approximately 0.06148 µg/m^3 and 0.14775 µg/m^3, respectively. Based on the chronic inhalation REL for DPM (5 µg/m^3), the calculated chronic hazard quotient during the maximum exposure to DPM concentration would be 0.012 for MEIR A and 0.030 for MEIR B, which are below the SCAQMD's non-cancer hazard index threshold value of 1.0. This impact would be **less than significant**.

4.5.4.3 On-Site HRA Mitigation Measures

As described in Section 4.4.1.3, MIG has recommended the proposed Project incorporate mitigation measures to reduce potential regional construction emissions levels, including Mitigation Measures AIR-2 (Reduce Construction NO_X and DPM Emissions). This measure reduces construction NOx and DPM emissions by requiring future development in the Project area to connect to existing electrical service to power stationary and portable equipment (e.g., pumps, generators, compressors, and welding sets and use construction equipment that meets Tier IV exhaust emissions standards. The proposed Project's mitigated on-site excess cancer risks are summarized in Table 4-36 (Maximum Buildout Scenario MEIR A), Table 4-37 (Maximum Buildout Scenario MEIR B), Table 4-38 (Scenario 2 MEIR A), and Table 4-39 (Scenario 2 MEIR B).

Table 4-36: Mitigated On-Site Excess Cancer Risk – Maximum Buildout Scenario MEIR A

Year	Scenario	Annual Average DPM Concentration (µg/m^3)	Excess Cancer Risk (Per Million Population)[(A)]
2025	Construction DPM	0.00751	1.1
2026	Construction DPM	0.01163	1.6
2027	Construction DPM	0.00669	0.1
2028	Construction and Operational DPM	0.00598	0.1
2029 - 2054	Operational DPM	0.00276	0.8
		Total Excess Cancer Risk	**3.8**
		SCAQMD Cancer Risk Threshold	**10.0**
		Threshold Exceeded?	**No**

Source: MIG, 2023 (see Appendix C)

(A) Excess cancer risk estimate assumes the receptor is in the infant stage at the beginning of exposure and proceeds to child and adult stages over the 30-year exposure duration.

Table 4-37: Mitigated On-Site Excess Cancer Risk – Maximum Buildout Scenario MEIR B			
Year	**Scenario**	**Annual Average DPM Concentration (µg/m³)**	**Excess Cancer Risk (Per Million Population)(A)**
2025	Construction DPM	0.00918	1.4
2026	Construction DPM	0.01278	1.8
2027	Construction DPM	0.00547	0.1
2028	Construction and Operational DPM	0.00414	0.1
2029 - 2054	Operational DPM	0.00414	1.1
		Total Excess Cancer Risk	**4.4**
		SCAQMD Cancer Risk Threshold	**10.0**
		Threshold Exceeded?	**No**

Source: MIG, 2023 (see Appendix C)

(A) Excess cancer risk estimate assumes the receptor is in the infant stage at the beginning of exposure and proceeds to child and adult stages over the 30-year exposure duration.

Table 4-38: Mitigated On-Site Receptor Excess Cancer Risk – Scenario 2 MEIR A			
Year	**Scenario**	**Annual Average DPM Concentration (µg/m³)**	**Excess Cancer Risk (Per Million Population)(A)**
2025	Construction DPM	0.00929	1.4
2026	Construction DPM	0.0119	1.7
2027	Construction DPM	0.00683	0.1
2028	Construction and Operational DPM	0.01654	0.3
2029 - 2054	Operational DPM	0.00441	1.2
		Subtotal, DPM Risk	*4.7*
2027 - 2054	Operational Fugitive Gasoline Station TACs	--	<0.1
		Total Excess Cancer Risk	**4.7**
		SCAQMD Cancer Risk Threshold	**10.0**
		Threshold Exceeded?	**No**

Source: MIG, 2023 (see Appendix C)

(A) Excess DPM cancer risk estimate assumes the receptor is in the infant stage at the beginning of exposure and proceeds to child and adult stages over the 30-year exposure duration.

Table 4-39: Mitigated On-Site Receptor Excess Cancer Risk – Scenario 2 MEIR B			
Year	**Scenario**	**Annual Average DPM Concentration (µg/m³)**	**Excess Cancer Risk (Per Million Population)(A)**
2025	Construction DPM	0.01648	2.5
2026	Construction DPM	0.00977	1.4
2027	Construction DPM	0.004157	0.1
2028	Construction and Operational DPM	0.0053	0.1
2029 - 2054	Operational DPM	0.0053	1.4
		Subtotal, DPM Risk	*5.4*
2027 - 2054	Operational Fugitive Gasoline Station TACs	--	1.1
		Total Excess Cancer Risk	**6.5**
		SCAQMD Cancer Risk Threshold	**10.0**
		Threshold Exceeded?	**No**

Source: MIG, 2023 (see Appendix C)

(A) Excess DPM cancer risk estimate assumes the receptor is in the infant stage at the beginning of exposure and proceeds to child and adult stages over the 30-year exposure duration.

As shown in Table 4-36 (Maximum Buildout Scenario MEIR A), Table 4-37 (Maximum Buildout Scenario MEIR B), Table 4-38 (Scenario 2 MEIR A), Table 4-39 (Scenario MEIR B), the proposed Project's total mitigated on-site excess cancer risks would not exceed the SCAQMD's recommended risk threshold of 10 excess cancers per million population.

4.5.4.4 On-Site HRA Impact Conclusion

The above analysis indicates that the proposed Project's total mitigated on-site excess cancer risk would not exceed the SCAQMD's recommended carcinogenic risk threshold with the implementation of Mitigation Measure AIR-2 (Reduce Construction NO_X and DPM Emissions). In addition, the proposed Project would not exceed the SCAQMD's recommended non-carcinogenic health risk threshold. Therefore, on-site risks would be a **less than significant impact with mitigation.**

4.5.5 OFF-SITE CARBON MONOXIDE HOTSPOTS

Based on the TIA prepared for the proposed Project (LLG, 2023a), the maximum number of vehicles moving through any intersection under full development, cumulative conditions in 2033 would be approximately 5,670 total vehicles per hour at the intersection of Jefferson Street and Indio Boulevard (during the PM peak hour). This level of traffic is less than the traffic volumes (approximately 8,000 vehicles per peak hour) modeled in the SCAQMD's 2003 AQMP and determined to result in CO concentrations that are substantially below ambient air quality standards (see Section 4.1.3). The proposed Project, therefore, would not contribute to off-site traffic volumes that could cause or significantly contribute to CO concentrations that exceed State or Federal ambient air quality standards for CO. This impact would be **less than significant.**

4.5.6 OTHER POLLUTANT CONCENTRATIONS

In addition to criteria air pollutant emissions on a regional scale and TAC emissions on a local scale, receptor exposure to elevated concentrations of criteria air pollutants (e.g., CO, O_3, and PM) is capable of causing adverse health effects on heart, lung, and other organ systems. As described in Section 4.4, the proposed Project would generate cumulatively considerable construction and operational criteria air pollutant emissions for which the region is designated nonattainment; however, these criteria air pollutant emissions would not expose receptors to substantial pollutant concentrations, as described below.

In the amicus brief filed by the SCAQMD on the California Supreme Court's decision in *Sierra Club versus County of Fresno*, the SCAQMD noted that, "[it] takes a large amount of additional precursor emissions [e.g., NOx] to cause a modeled increase in ambient ozone levels… a project emitting only 10 tons per year of NOx or VOC is small enough that its regional impact on ambient ozone levels may not be detected in the regional air quality models used to determine ozone levels…" (SCAQMD 2015). Although implementation of the proposed Project would increase criteria air pollutant emissions within the SSAB, any analysis linking potential adverse health risks to corresponding pollutant concentrations would be speculative for several reasons.

First, to estimate potential adverse health effects from regional emissions, it is necessary to have information on the sources of the ozone and PM emissions, such as the location of emission points, velocity of emissions, the meteorology and topography of the area, and the location of receptors exposed to the emissions (SCAQMD 2015). While the general nature of the emissions sources occurring with implementation of the Project area is known (i.e., area source, energy source, mobile source), the specific location of these sources within the Plan Area is not known, nor is other information, including source emission rate, exit velocity, operating characteristics (e.g., daytime or nighttime, seasonal or steady-state), etc.

Second, the majority of operational NOx and PM emissions would be attributable to mobile sources (i.e., vehicle trips) that would potentially travel on numerous local and regional roadways throughout the Project area and beyond that would be subject to varying meteorological and topographical influences. These emissions would be subject to small scale air patterns, such as those formed as wind passes between buildings and other anthropogenic features (e.g., cars), creating eddies and other turbulence that affect pollutant transport.

Third, as mentioned previously, the SCAQMD has stated (SCAQMD 2015, pgs. 10-11): "For the so-called criteria pollutants, such as ozone, it may be more difficult to quantify health impacts . . . It takes time and the influence of meteorological conditions for these reactions to occur, so ozone may be formed at a distance downwind from the sources . . . Scientifically, health effects from ozone are correlated with increases in the ambient level of ozone in the air a person breathes . . . However, it takes a large amount of additional precursor emissions to cause a modeled increase in ambient ozone levels over an entire region. For example, the SCAQMD's 2012 AQMP [Air Quality Management Plan] showed that reducing NOx by 432 tons per day (157,680 tons/year) and reducing VOC by 187 tons per day (68,255 tons/year) would reduce ozone levels at the SCAQMD's monitor site with the highest levels by only 9 parts per billion. SCAQMD staff does not currently know of a way to accurately quantify ozone-related health impacts caused by NO_X or VOC emissions from relatively small projects." The proposed Project would not generate emissions anywhere near the levels cited by the SCAQMD in its amicus brief on the California Supreme Court's decision in *Sierra Club versus County of Fresno* (i.e., 432 tons per day of NOx and 187 tons per day of VOC).

Finally, adverse health effects associated with receptor exposure to criteria air pollutant concentrations is cumulative in nature. In other words, any potential health effects associated with the proposed Project would also need to be considered in light of background pollutant emissions. As discussed previously in this EIR chapter, there are many efforts being undertaken at the state and regional level to reduce criteria air pollutant emissions from stationary and mobile sources. These actions are anticipated to reduce pollutant concentrations throughout the region over the next few decades. Therefore, even if the proposed Project does increase emissions in the SSAB, criteria air pollutant concentrations in the region could still be lower in the future than they are currently due to the advancement of cleaner technologies.

As described above, it would be speculative to transform the mass increase in VOC, NO_X, and PM emissions that could occur with implementation of the proposed Project into quantifiable health risks for several specific reasons, including the uncertain location of emission points, velocity of emissions, the meteorology and topography of the area (which could affect the transport rate and photochemical reactions needed to produce ozone), background criteria air pollutant emissions in the future, and the location of receptors in relation to emission sources. However, given that the proposed Project's operational emissions are far less than that modeled by the SCAQMD for its 2012 AQMP, which showed a relatively minor increase in criteria air pollutant concentrations for a large mass amount of emissions, mass operational emissions associated with implementation of the Project would not substantially alter criteria air pollutant concentrations within the SSAB.

Furthermore, the majority of emissions generated by the proposed Project would come from gasoline-powered mobile sources, which are transient in nature and would generate the majority of emissions off-site. Aside from mobile source emissions, which are anticipated to become cleaner over time due to actions taken at the state and federal level, the next largest sources of criteria air pollutant emissions are anticipated to come from the use of consumer products and landscaping equipment. Neither of these sources would be used at the frequency nor magnitude required to result in criteria air pollutant emissions that would be harmful to one's health. Therefore, implementation of the proposed Project would not exacerbate or contribute to significant health risks at or in proximity of the Project area, nor would it increase the number of state or national ambient air quality standard exceedances). This impact would be **less than significant.**

4.6 ODORS

The proposed Project could generate odors from the following sources and activities:

- Evaporation of gasoline, oil, and other fluids that can escape from pumps, hoses, and tanks in construction equipment and motor vehicles (e.g., haul trucks, tow trucks, and other vehicles).
- Off-gassing of volatile compounds from asphalt surfaces (e.g., paving) and architectural coating activities.
- Emissions from heavy-duty construction equipment (e.g., a loader, backhoe, grader, etc.) and passenger vehicle and truck exhaust pipes.
- Fugitive and stationary source emissions from operations such as restaurants and retail fuel stations.

Potential odors may or may not, depending on the individual's olfactory sensitivity, be perceived as objectionable, offensive, a nuisance, etc. Odors are generally regarded as an annoyance rather than a health hazard. An odor that is offensive to one person may not be offensive to a different person, and unfamiliar odors are more easily detected and are more likely to cause complaints than familiar odors, as a

person can become desensitized to almost any odor over time (known as odor fatigue). In general, the quality and intensity of an odor influence a person's reaction. The quality of an odor indicates the nature of the smell experience (e.g., flowery, putrid). The intensity of an odor depends on its concentration in the air. When an odor sample is progressively diluted, the odor concentration decreases. As this occurs, the odor intensity weakens and eventually becomes low enough where the odor is no longer detectable.

Although the proposed project could generate potential odors that could be detectable at on- and off-site receptor locations, this impact would not be significant for several reasons. First, the potential odors associated with the proposed Project are common in the vicinity of the project area due to the proximity of the I-10 and existing food service and gas station facilities located in the Palms at Indio commercial development adjacent to the Project area. The project, therefore, would not result in the release of atypical or unfamiliar odors near sensitive receptors (e.g., odors associated with specific land uses such as a landfill or specific industrial processes such as coffee roasting). Second, construction and operational activities would not result in the continuous generation of odors, and potential odors from construction and operational activities would disperse as meteorological conditions change. Third, the proposed Project includes a performance standard that requires residential units to be designed to minimize adverse odor impacts from non-residential or commercial mixed-use components, such as through the inclusion of air ventilation systems to limit odor penetration into dwelling units (see Section 2.6). Finally, according to the SCAQMD *CEQA Air Quality Handbook*, land uses associated with odor complaints include agricultural operations, wastewater treatment plants, landfills, and certain industrial operations (such as manufacturing uses that produce chemicals, paper, etc.). The proposed Project would not include any such operations.

For the reasons described above, the construction and operation of the proposed Project would not generate unusual, atypical, or excessive odors that could affect a substantial number of people. This impact would be **less than significant**.

5 REPORT PREPARERS AND REFERENCES

This report was prepared by MIG under contract to BH Properties. This report reflects the independent, objective, professional opinion of MIG. The following individuals were involved in the preparation and review of this report:

MIG

Chris Dugan, Director of Air Quality, GHG, and Noise Services
cdugan@migcom.com / 916-956-3802

Phil Gleason, Senior Analyst II
pgleason@migcom.com

Kasey Kitowski, Air Quality Analyst I
kkitowski@migcom.com

1650 Spruce Street, Suite 106
Riverside, California 92507
(951) 787-9222

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APPENDIX A
Construction and Operational Emissions Estimates

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CalEEMod Construction Emission Summaries and Output Files

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General Site Development - Unmitigated - Maximum Daily Regional Emissions by Phase (lbs/day)						
Construction Model / Phase	VOC	NOx	CO	SO_2	PM_{10}	$PM_{2.5}$
01 Mass Grading						
Site Preparation	11.3	79.0	84.3	0.3	59.9	10.7
Grading	11.3	78.3	87.2	0.3	6.4	3.9
Dust Control	7.9	47.2	55.0	0.2	2.3	1.7
02 "A" Street						
Site Preparation	4.1	43.7	43.6	0.2	59.4	7.8
Utility Installation	3.1	25.8	29.4	0.1	2.1	1.1
Paving	1.5	13.3	16.8	0.0	1.3	0.7
03 IID Substation						
Site Preparation	1.4	14.4	13.2	0.1	43.1	4.9
Building Construction	1.4	11.5	13.0	0.0	0.5	0.4
Paving	0.8	6.6	9.8	0.0	0.5	0.3
Architectural Coating	33.0	0.9	1.2	0.0	0.0	0.0
SCAQMD Threshold	75	100	550	150	100	55
Threshold Exceeded?	No	No	No	No	No	No

Maximum Buildout Scenario - Unmitigated -Maximum Daily Regional Emissions by Phase (lbs/day)						
Construction Model / Phase	VOC	NOx	CO	SO_2	PM_{10}	$PM_{2.5}$
04 PA4 Industrial Southeast						
Site Preparation	5.5	44.0	46.2	0.1	15.5	5.2
Building Construction	5.2	29.7	62.6	0.1	6.9	2.3
Paving	5.2	18.5	24.5	0.1	1.1	0.7
Architectural Coating	277.4	1.2	4.8	0.0	1.0	0.2
05 PA5 Industrial Southwest						
Site Preparation	5.4	43.5	45.7	0.1	15.5	5.2
Building Construction	5.3	29.9	65.9	0.1	7.5	2.4
Paving	4.8	18.1	24.0	0.1	1.1	0.7
Architectural Coating	302.4	1.3	5.1	0.0	1.1	0.3
06 MBS PA1 Northwest Residential						
Site Preparation	4.7	39.6	41.1	0.1	13.9	4.9
Building Construction	7.2	27.9	106.8	0.1	13.3	3.7
Paving	4.2	14.0	20.4	0.1	0.8	0.6
Architectural Coating	253.9	1.6	15.5	0.0	2.3	0.6
07 MBS PA1 Northeast and PA2 Mixed-Use						
Site Preparation	5.0	41.3	43.1	0.1	14.7	5.0
Building Construction	9.1	33.0	138.0	0.1	17.7	4.8
Paving	4.1	14.5	22.1	0.1	0.9	0.6
Architectural Coating	187.1	1.7	19.2	0.0	3.1	0.7
08 PA3 Residential						
Site Preparation	3.8	34.2	34.7	0.1	12.3	4.6
Building Construction	3.1	16.1	44.1	0.0	4.7	1.5
Paving	2.2	9.5	14.2	0.0	0.6	0.4
Architectural Coating	126.4	1.1	6.3	0.0	0.8	0.2
SCAQMD Threshold	75	100	550	150	100	55
Threshold Exceeded?	Yes	No	No	No	No	No

Scenario 2 - Unmitigated - Maximum Daily Regional Emissions by Phase (lbs/day)						
Construction Model / Phase	VOC	NOx	CO	SO_2	PM_{10}	$PM_{2.5}$
04 PA4 Industrial Southeast						
Site Preparation	5.5	44.0	46.2	0.1	15.5	5.2
Building Construction	5.2	29.7	62.6	0.1	6.9	2.3
Paving	5.2	18.5	24.5	0.1	1.1	0.7
Architectural Coating	277.4	1.2	4.8	0.0	1.0	0.2
05 PA5 Industrial Southwest						
Site Preparation	5.4	43.5	45.7	0.1	15.5	5.2
Building Construction	5.3	29.9	65.9	0.1	7.5	2.4
Paving	4.8	18.1	24.0	0.1	1.1	0.7
Architectural Coating	302.4	1.3	5.1	0.0	1.1	0.3
09 S2 PA1 Northwest Residential						
Site Preparation	4.7	39.6	41.1	0.1	13.9	4.9
Building Construction	4.2	21.8	52.8	0.1	5.3	1.8
Paving	4.3	14.0	20.4	0.1	0.8	0.6
Architectural Coating	109.4	1.1	6.4	0.0	0.9	0.2
10 PA1 Northeast Residential						
Site Preparation	4.8	40.1	41.8	0.1	14.6	5.0
Building Construction	5.6	25.1	77.9	0.1	9.0	2.7
Paving	3.6	13.6	20.8	0.1	0.8	0.5
Architectural Coating	101.6	1.3	9.9	0.0	1.5	0.4
11 PA2 Commercial						
Site Preparation	3.6	32.9	33.3	0.1	12.2	4.5
Building Construction	1.3	11.7	14.8	0.0	0.6	0.5
Paving	1.7	7.4	12.1	0.0	0.6	0.3
Architectural Coating	8.8	0.9	1.2	0.0	0.0	0.0
12 PA3 Commercial						
Site Preparation	3.8	34.2	34.7	0.1	12.3	4.6
Building Construction	2.1	14.9	25.6	0.0	2.2	0.9
Paving	1.8	9.5	14.2	0.0	0.6	0.4
Architectural Coating	116.2	1.0	2.9	0.0	0.3	0.1
SCAQMD Threshold	75	100	550	150	100	55
Threshold Exceeded?	Yes	No	No	No	No	No

General Site Development - Mitigated - Maximum Daily Regional Emissions by Phase (lbs/day)						
Construction Model / Phase	VOC	NOx	CO	SO_2	PM_{10}	$PM_{2.5}$
01 Mass Grading						
Site Preparation	2.9	14.2	144.4	0.3	57.4	8.4
Grading	3.1	15.8	157.7	0.3	4.0	1.8
Dust Control	2.4	11.5	116.3	0.2	1.0	0.6
02 "A" Street						
Site Preparation	1.4	18.6	57.4	0.2	58.2	6.7
Utility Installation	4.3	4.3	39.1	0.1	1.2	0.3
Paving	0.8	6.8	20.9	0.0	1.1	0.4
03 IID Substation						
Site Preparation	0.4	4.4	18.1	0.1	42.7	4.5
Building Construction	0.2	1.1	10.3	0.0	0.1	0.1
Paving	0.5	2.8	11.0	0.0	0.3	0.2
Architectural Coating	3.3	0.0	0.0	0.0	0.0	0.0
SCAQMD Threshold	75	100	550	150	100	55
Threshold Exceeded?	No	No	No	No	No	No

Maximum Buildout Scenario - Mitigated -Maximum Daily Regional Emissions by Phase (lbs/day)						
Construction Model / Phase	VOC	NOx	CO	SO_2	PM_{10}	$PM_{2.5}$
04 PA4 Industrial Southeast						
Site Preparation	1.2	5.7	60.2	0.1	13.9	3.8
Building Construction	3.1	12.9	75.1	0.1	6.2	1.7
Paving	3.7	7.1	37.8	0.1	0.6	0.3
Architectural Coating	38.0	0.4	3.6	0.0	0.9	0.2
05 PA5 Industrial Southwest						
Site Preparation	1.2	5.6	59.2	0.1	13.9	3.8
Building Construction	3.0	11.6	81.0	0.1	6.8	1.8
Paving	3.1	5.3	40.0	0.1	0.6	0.3
Architectural Coating	39.2	0.4	4.0	0.0	1.0	0.2
06 MBS PA1 Northwest Residential						
Site Preparation	1.0	4.6	49.5	0.1	12.4	3.6
Building Construction	5.3	12.5	116.9	0.1	12.7	3.2
Paving	2.9	4.3	31.3	0.1	0.5	0.2
Architectural Coating	59.1	0.8	14.4	0.0	2.3	0.5
07 MBS PA1 Northeast and PA2 Mixed-Use						
Site Preparation	1.1	5.0	53.7	0.1	13.1	3.7
Building Construction	7.0	15.5	150.2	0.1	17.0	4.2
Paving	2.7	4.7	35.3	0.1	0.5	0.3
Architectural Coating	44.2	0.9	18.1	0.0	3.1	0.7
08 PA3 Residential						
Site Preparation	0.7	3.3	36.1	0.1	10.9	3.4
Building Construction	1.9	4.8	47.1	0.0	4.3	1.1
Paving	1.5	3.0	18.1	0.0	0.4	0.2
Architectural Coating	29.1	0.3	5.2	0.0	0.8	0.2
SCAQMD Threshold	75	100	550	150	100	55
Threshold Exceeded?	No	No	No	No	No	No

Scenario 2 - Mitigated - Maximum Daily Regional Emissions by Phase (lbs/day)						
Construction Model / Phase	VOC	NOx	CO	SO_2	PM_{10}	$PM_{2.5}$
04 PA4 Industrial Southeast						
Site Preparation	1.2	5.7	60.2	0.1	13.9	3.8
Building Construction	3.1	12.9	75.1	0.1	6.2	1.7
Paving	3.7	7.1	37.8	0.1	0.6	0.3
Architectural Coating	38.0	0.4	3.6	0.0	0.9	0.2
05 PA5 Industrial Southwest						
Site Preparation	1.2	5.6	59.2	0.1	13.9	3.8
Building Construction	3.0	11.6	81.0	0.1	6.8	1.8
Paving	3.1	5.3	40.0	0.1	0.6	0.3
Architectural Coating	39.2	0.4	4.0	0.0	1.0	0.2
09 S2 PA1 Northwest Residential						
Site Preparation	1.0	4.6	49.5	0.1	12.4	3.6
Building Construction	2.3	6.4	62.9	0.1	4.7	1.2
Paving	3.0	4.3	31.3	0.1	0.5	0.2
Architectural Coating	30.2	0.3	5.3	0.0	0.8	0.2
10 PA1 Northeast Residential						
Site Preparation	1.0	4.7	50.9	0.1	13.1	3.6
Building Construction	3.7	9.3	88.6	0.1	8.4	2.1
Paving	2.3	4.4	32.5	0.1	0.5	0.2
Architectural Coating	24.7	0.4	8.8	0.0	1.5	0.4
11 PA2 Commercial						
Site Preparation	0.7	3.0	33.0	0.1	10.9	3.3
Building Construction	0.3	1.4	16.1	0.0	0.1	0.1
Paving	1.3	2.8	14.1	0.0	0.4	0.2
Architectural Coating	8.7	0.0	0.1	0.0	0.0	0.0
12 PA3 Commercial						
Site Preparation	0.7	3.3	36.1	0.1	10.9	3.4
Building Construction	1.2	5.5	25.4	0.0	1.8	0.5
Paving	1.1	3.0	18.1	0.0	0.4	0.2
Architectural Coating	13.8	0.1	1.7	0.0	0.3	0.1
SCAQMD Threshold	75	100	550	150	100	55
Threshold Exceeded?	No	No	No	No	No	No

Maximum Buildout Scenario - Unmitigated - Maximum Daily Regional Emissions Summary (lbs/day)

Year	Monthly Range	VOC	NOX	CO	SO2	PM_{10}	$PM_{2.5}$
2025	January to March	11.3	79.0	87.2	0.3	59.9	10.7
2025	April to June	31.6	227.3	430.5	0.5	73.6	25.9
2025	July to September	31.2	145.1	430.5	0.5	50.5	15.2
2025	October to December	27.1	148.0	302.8	0.5	50.5	15.2
SCAQMD Threshold		75	100	550	150	100	55
Threshold Exceeded?		No	Yes	No	No	No	No
2026	January to March	57.8	139.0	289.6	0.5	50.1	14.8
2026	April to June	150.8	125.3	395.5	0.5	49.6	14.4
2026	July to September	150.8	111.5	359.8	0.4	45.7	13.1
2026	October to December	592.8	113.0	246.0	0.4	44.9	12.9
SCAQMD Threshold		75	100	550	150	100	55
Threshold Exceeded?		Yes	Yes	No	No	No	No
2027	January to March	592.3	56.4	153.9	0.2	32.7	8.8
2027	April to June	261.7	52.5	217.6	0.2	30.7	8.3
2027	July to September	261.7	30.0	137.9	0.1	19.8	5.2
2027	October to December	7.0	29.2	80.5	0.1	17.5	4.7
SCAQMD Threshold		75	100	550	150	100	55
Threshold Exceeded?		Yes	No	No	No	No	No
2028	January to March	6.7	27.3	76.3	0.1	17.5	4.6
2028	April to June	187.1	26.4	115.8	0.1	17.5	4.6
2028	July to September	187.1	1.7	19.2	0.0	3.1	0.7
SCAQMD Threshold		75	100	550	150	150	55
Threshold Exceeded?		Yes	No	No	No	No	No

Maximum Buildout Scenario - Mitigated - Maximum Daily Regional Emissions Summary (lbs/day)

Year	Monthly Range	VOC	NOX	CO	SO2	PM_{10}	$PM_{2.5}$
2025	January to March	3.1	18.6	157.7	0.3	58.2	8.4
2025	April to June	20.6	56.3	480.7	0.5	65.4	18.5
2025	July to September	20.6	56.3	480.7	0.5	47.1	12.0
2025	October to December	18.0	58.3	401.4	0.5	47.1	12.0
SCAQMD Threshold		75	100	550	150	100	55
Threshold Exceeded?		No	No	No	No	No	No
2026	January to March	18.9	58.4	341.0	0.5	47.3	12.1
2026	April to June	45.5	52.7	448.7	0.4	46.9	12.0
2026	July to September	45.5	48.6	408.8	0.4	43.4	11.1
2026	October to December	86.4	50.9	296.1	0.4	42.7	10.9
SCAQMD Threshold		75	100	550	150	100	55
Threshold Exceeded?		Yes	No	No	No	No	No
2027	January to March	86.0	26.7	174.2	0.2	31.7	7.8
2027	April to June	64.9	24.4	240.1	0.2	29.7	7.4
2027	July to September	64.9	14.5	149.1	0.1	19.3	4.8
2027	October to December	5.0	14.7	92.8	0.1	17.0	4.2
SCAQMD Threshold		75	100	550	150	100	55
Threshold Exceeded?		Yes	No	No	No	No	No
2028	January to March	4.8	13.9	88.7	0.1	17.0	4.2
2028	April to June	44.2	13.0	128.2	0.1	17.0	4.2
2028	July to September	44.2	0.9	18.1	0.0	3.1	0.7
SCAQMD Threshold		75	100	550	150	150	55
Threshold Exceeded?		No	No	No	No	No	No

Scenario 2 - Unmitigated - Maximum Daily Regional Emissions Summary (lbs/day)

Year	Monthly Range	VOC	NOX	CO	SO2	PM_{10}	$PM_{2.5}$
2025	January to March	11.3	79.0	87.2	0.3	59.9	10.7
2025	April to June	26.9	224.8	286.9	0.5	73.5	25.9
2025	July to September	23.0	127.9	286.9	0.4	29.7	10.0
2025	October to December	20.7	129.7	218.8	0.4	29.7	10.0
SCAQMD Threshold		75	100	550	150	100	55
Threshold Exceeded?		No	Yes	No	No	No	No
2026	January to March	51.7	121.8	211.4	0.4	29.3	9.6
2026	April to June	27.6	109.2	262.2	0.4	28.9	9.3
2026	July to September	18.8	98.2	247.5	0.4	28.3	8.9
2026	October to December	588.1	99.9	184.3	0.4	28.3	8.9
SCAQMD Threshold		75	100	550	150	100	55
Threshold Exceeded?		Yes	Yes	No	No	No	No
2027	January to March	587.8	44.2	96.3	0.2	16.1	4.7
2027	April to June	114.3	41.1	118.8	0.2	14.0	4.2
2027	July to September	114.3	23.0	76.7	0.1	9.7	2.8
2027	October to December	4.5	22.3	49.9	0.1	8.8	2.5
SCAQMD Threshold		75	100	550	150	100	55
Threshold Exceeded?		Yes	No	No	No	No	No
2028	January to March	4.4	20.9	47.8	0.1	8.8	2.5
2028	April to June	101.6	20.5	67.1	0.1	8.8	2.5
2028	July to September	101.6	1.3	9.9	0.0	1.5	0.4
SCAQMD Threshold		75	100	550	150	150	55
Threshold Exceeded?		Yes	No	No	No	No	No

Scenario 2 - Mitigated - Maximum Daily Regional Emissions Summary (lbs/day)

Year	Monthly Range	VOC	NOX	CO	SO2	PM_{10}	$PM_{2.5}$
2025	January to March	3.1	18.6	157.7	0.3	58.2	8.4
2025	April to June	12.6	41.0	333.9	0.5	65.4	18.5
2025	July to September	12.6	41.0	333.9	0.4	26.3	7.0
2025	October to December	10.4	42.8	265.8	0.4	26.3	7.0
SCAQMD Threshold		75	100	550	150	100	55
Threshold Exceeded?		No	No	No	No	No	No
2026	January to March	13.1	42.9	259.7	0.4	26.5	7.1
2026	April to June	19.6	39.8	312.2	0.4	26.4	7.0
2026	July to September	10.9	36.9	296.1	0.4	26.0	6.9
2026	October to December	81.8	38.7	232.9	0.4	26.0	6.9
SCAQMD Threshold		75	100	550	150	100	55
Threshold Exceeded?		Yes	No	No	No	No	No
2027	January to March	81.6	15.2	115.0	0.1	15.1	3.8
2027	April to June	33.3	13.8	139.8	0.1	13.1	3.3
2027	July to September	33.3	8.4	86.3	0.1	9.2	2.3
2027	October to December	2.7	8.5	60.7	0.1	8.4	2.1
SCAQMD Threshold		75	100	550	150	100	55
Threshold Exceeded?		Yes	No	No	No	No	No
2028	January to March	2.6	8.2	58.7	0.1	8.4	2.1
2028	April to June	24.7	7.7	78.0	0.1	8.4	2.1
2028	July to September	24.7	0.4	8.8	0.0	1.5	0.4
SCAQMD Threshold		75	100	550	150	150	55
Threshold Exceeded?		No	No	No	No	No	No

General Site Development - Unmitigated - LST Emissions by Phase (lbs/day)				
Construction Model / Phase	NOx	CO	PM_{10}	$PM_{2.5}$
01 Mass Grading				
Site Preparation	78.6	80.9	8.1	5.4
Grading	77.4	83.5	5.4	3.7
Dust Control	46.9	50.7	1.7	1.5
02 "A" Street				
Site Preparation	31.2	39.0	2.3	1.4
Utility Installation	25.6	26.5	1.7	1.0
Paving	10.4	13.7	0.4	0.4
03 IID Substation				
Site Preparation	11.5	11.6	0.9	0.5
Building Construction	11.2	12.5	0.4	0.4
Paving	6.5	8.9	0.3	0.3
Architectural Coating	0.9	1.1	0.0	0.0
SCAQMD Threshold	547	10,178	112	37
Threshold Exceeded?	**No**	**No**	**No**	**No**

Maximum Buildout Scenario - Unmitigated -LST Emissions by Phase (lbs/day)				
Construction Model / Phase	NOx	CO	PM_{10}	$PM_{2.5}$
04 PA4 Industrial Southeast				
Site Preparation	43.8	43.3	6.9	4.3
Building Construction	22.6	26.1	0.9	0.8
Paving	18.4	23.1	0.7	0.7
Architectural Coating	0.9	1.1	0.0	0.0
05 PA5 Industrial Southwest				
Site Preparation	43.3	42.8	6.9	4.3
Building Construction	22.1	25.7	0.9	0.8
Paving	18.0	22.6	0.7	0.7
Architectural Coating	0.9	1.1	0.0	0.0
06 MBS PA1 Northwest Residential				
Site Preparation	39.5	38.7	6.8	4.1
Building Construction	18.3	21.5	0.7	0.7
Paving	13.9	18.5	0.5	0.5
Architectural Coating	0.8	1.1	0.0	0.0
07 MBS PA1 Northeast and PA2 Mixed-Use				
Site Preparation	41.2	40.5	6.8	4.2
Building Construction	20.0	23.4	0.8	0.7
Paving	14.4	20.2	0.5	0.5
Architectural Coating	0.8	1.1	0.0	0.0
08 PA3 Residential				
Site Preparation	34.1	32.8	6.6	4.0
Building Construction	12.9	15.7	0.5	0.5
Paving	9.4	12.6	0.4	0.4
Architectural Coating	0.9	1.1	0.0	0.0
SCAQMD Threshold	547	10,178	112	37
Threshold Exceeded?	**No**	**No**	**No**	**No**

Scenario 2 - Unmitigated - LST Emissions by Phase (lbs/day)				
Construction Model / Phase	NOx	CO	PM_{10}	$PM_{2.5}$
04 PA4 Industrial Southeast				
Site Preparation	43.8	43.3	6.9	4.3
Building Construction	22.6	26.1	0.9	0.8
Paving	18.4	23.1	0.7	0.7
Architectural Coating	0.9	1.1	0.0	0.0
05 PA5 Industrial Southwest				
Site Preparation	43.3	42.8	6.9	4.3
Building Construction	22.1	25.7	0.9	0.8
Paving	18.0	22.6	0.7	0.7
Architectural Coating	0.9	1.1	0.0	0.0
09 S2 PA1 Northwest Residential				
Site Preparation	39.5	38.7	6.8	4.1
Building Construction	18.3	21.5	0.7	0.7
Paving	13.9	18.5	0.5	0.5
Architectural Coating	0.8	1.1	0.0	0.0
10 PA1 Northeast Residential				
Site Preparation	40.0	39.2	6.8	4.2
Building Construction	18.8	22.1	0.7	0.7
Paving	13.5	18.9	0.5	0.5
Architectural Coating	0.8	1.1	0.0	0.0
11 PA2 Commercial				
Site Preparation	32.8	31.4	6.5	3.9
Building Construction	11.6	14.3	0.5	0.4
Paving	7.3	10.1	0.3	0.3
Architectural Coating	0.9	1.1	0.0	0.0
12 PA3 Commercial				
Site Preparation	34.1	32.8	6.6	4.0
Building Construction	12.9	15.7	0.5	0.5
Paving	9.4	12.6	0.4	0.4
Architectural Coating	0.9	1.1	0.0	0.0
SCAQMD Threshold	547	10,178	112	37
Threshold Exceeded?	**No**	**No**	**No**	**No**

General Site Development - Mitigated - LST Emissions by Phase (lbs/day)				
Construction Model / Phase	NOx	CO	PM_{10}	$PM_{2.5}$
01 Mass Grading				
Site Preparation	13.8	141.0	5.6	3.2
Grading	14.9	154.0	3.0	1.5
Dust Control	11.2	112.0	0.4	0.4
02 "A" Street				
Site Preparation	6.1	52.8	1.1	0.3
Utility Installation	4.1	36.2	0.9	0.2
Paving	3.9	17.8	0.2	0.2
03 IID Substation				
Site Preparation	1.5	16.5	0.5	0.1
Building Construction	0.9	9.8	0.0	0.0
Paving	2.8	10.1	0.1	0.1
Architectural Coating	0.0	0.0	0.0	0.0
SCAQMD Threshold	547	10,178	112	37
Threshold Exceeded?	**No**	**No**	**No**	**No**

Maximum Buildout Scenario - Mitigated -LST Emissions by Phase (lbs/day)				
Construction Model / Phase	NOx	CO	PM_{10}	$PM_{2.5}$
04 PA4 Industrial Southeast				
Site Preparation	5.5	57.3	5.3	2.8
Building Construction	5.8	38.6	0.2	0.2
Paving	6.9	36.4	0.3	0.3
Architectural Coating	0.0	0.0	0.0	0.0
05 PA5 Industrial Southwest				
Site Preparation	5.4	56.3	5.3	2.8
Building Construction	3.8	40.8	0.2	0.2
Paving	5.2	38.6	0.2	0.2
Architectural Coating	0.0	0.0	0.0	0.0
06 MBS PA1 Northwest Residential				
Site Preparation	4.5	47.1	5.3	2.8
Building Construction	2.9	31.6	0.1	0.1
Paving	4.2	29.4	0.2	0.2
Architectural Coating	0.0	0.0	0.0	0.0
07 MBS PA1 Northeast and PA2 Mixed-Use				
Site Preparation	4.9	51.1	5.3	2.8
Building Construction	3.3	35.6	0.1	0.1
Paving	4.6	33.4	0.2	0.2
Architectural Coating	0.0	0.0	0.0	0.0
08 PA3 Residential				
Site Preparation	3.2	34.2	5.2	2.8
Building Construction	1.6	18.7	0.1	0.1
Paving	2.9	16.5	0.1	0.1
Architectural Coating	0.0	0.0	0.0	0.0
SCAQMD Threshold	547	10,178	112	37
Threshold Exceeded?	**No**	**No**	**No**	**No**

Scenario 2 - Mitigated - LST Emissions by Phase (lbs/day)				
Construction Model / Phase	NOx	CO	PM_{10}	$PM_{2.5}$
04 PA4 Industrial Southeast				
Site Preparation	5.5	57.3	5.3	2.8
Building Construction	5.8	38.6	0.2	0.2
Paving	6.9	36.4	0.3	0.3
Architectural Coating	0.0	0.0	0.0	0.0
05 PA5 Industrial Southwest				
Site Preparation	5.4	56.3	5.3	2.8
Building Construction	3.8	40.8	0.2	0.2
Paving	5.2	38.6	0.2	0.2
Architectural Coating	0.0	0.0	0.0	0.0
09 S2 PA1 Northwest Residential				
Site Preparation	4.5	47.1	5.3	2.8
Building Construction	2.9	31.6	0.1	0.1
Paving	4.2	29.4	0.2	0.2
Architectural Coating	0.0	0.0	0.0	0.0
10 PA1 Northeast Residential				
Site Preparation	4.6	48.3	5.3	2.8
Building Construction	3.0	32.8	0.1	0.1
Paving	4.3	30.6	0.2	0.2
Architectural Coating	0.0	0.0	0.0	0.0
11 PA2 Commercial				
Site Preparation	2.9	31.1	5.2	2.7
Building Construction	1.3	15.6	0.1	0.1
Paving	2.7	12.1	0.1	0.1
Architectural Coating	0.0	0.0	0.0	0.0
12 PA3 Commercial				
Site Preparation	3.2	34.2	5.2	2.8
Building Construction	3.5	15.5	0.1	0.1
Paving	2.9	16.5	0.1	0.1
Architectural Coating	0.0	0.0	0.0	0.0
SCAQMD Threshold	547	10,178	112	37
Threshold Exceeded?	**No**	**No**	**No**	**No**

Maximum Buildout Scenario - Unmitigated - LST Emissions Summary (lbs/day)					
Year	Monthly Range	NOX	CO	PM_{10}	$PM_{2.5}$
2025	January to March	78.6	83.5	8.1	5.4
2025	April to June	223.5	224.3	34.8	21.7
2025	July to September	107.1	124.9	4.1	3.8
2025	October to December	107.1	124.9	4.1	3.8
SCAQMD Threshold		547	10178	112	37
Threshold Exceeded?		No	No	No	No
2026	January to March	100.5	124.5	3.7	3.4
2026	April to June	89.8	112.1	3.3	3.1
2026	July to September	78.6	97.6	2.9	2.7
2026	October to December	77.7	96.5	2.9	2.6
SCAQMD Threshold		547	10178	112	37
Threshold Exceeded?		No	No	No	No
2027	January to March	36.0	47.0	1.3	1.2
2027	April to June	34.3	44.7	1.2	1.1
2027	July to September	18.7	24.4	0.7	0.6
2027	October to December	17.9	23.3	0.6	0.6
SCAQMD Threshold		547	10178	112	37
Threshold Exceeded?		No	No	No	No
2028	January to March	16.7	23.2	0.6	0.5
2028	April to June	16.7	23.2	0.6	0.5
2028	July to September	0.8	1.1	0.0	0.0
SCAQMD Threshold		547	10,178	112	37
Threshold Exceeded?		**No**	**No**	**No**	**No**

Maximum Buildout Scenario - Mitigated - LST Emissions Summary (lbs/day)					
Year	Monthly Range	NOX	CO	PM_{10}	$PM_{2.5}$
2025	January to March	14.9	154.0	5.6	3.2
2025	April to June	28.2	273.6	26.7	14.2
2025	July to September	18.3	175.1	0.7	0.7
2025	October to December	18.3	175.1	0.7	0.7
SCAQMD Threshold		547	10178	112	37
Threshold Exceeded?		No	No	No	No
2026	January to March	20.0	175.4	0.8	0.8
2026	April to June	18.6	165.3	0.7	0.7
2026	July to September	15.6	146.6	0.6	0.6
2026	October to December	18.3	146.6	0.7	0.7
SCAQMD Threshold		547	10178	112	37
Threshold Exceeded?		No	No	No	No
2027	January to March	6.2	67.2	0.2	0.2
2027	April to June	7.5	67.2	0.3	0.3
2027	July to September	3.3	35.6	0.1	0.1
2027	October to December	3.3	35.6	0.1	0.1
SCAQMD Threshold		547	10178	112	37
Threshold Exceeded?		No	No	No	No
2028	January to March	3.3	35.6	0.1	0.1
2028	April to June	4.6	35.6	0.2	0.2
2028	July to September	0.0	0.0	0.0	0.0
SCAQMD Threshold		547	10,178	112	37
Threshold Exceeded?		**No**	**No**	**No**	**No**

Scenario 2 - Unmitigated - LST Emissions Summary (lbs/day)					
Year	Monthly Range	NOX	CO	PM_{10}	$PM_{2.5}$
2025	January to March	78.6	83.5	8.1	5.4
2025	April to June	221.0	221.6	34.7	21.6
2025	July to September	104.6	122.2	4.1	3.7
2025	October to December	104.6	122.2	4.1	3.7
SCAQMD Threshold		547	10178	112	37
Threshold Exceeded?		No	No	No	No
2026	January to March	98.2	121.8	3.6	3.3
2026	April to June	87.5	109.4	3.3	3.0
2026	July to September	76.6	95.2	2.8	2.6
2026	October to December	76.6	95.2	2.8	2.6
SCAQMD Threshold		547	10178	112	37
Threshold Exceeded?		No	No	No	No
2027	January to March	34.9	45.7	1.2	1.1
2027	April to June	33.2	43.4	1.2	1.1
2027	July to September	17.6	23.1	0.6	0.6
2027	October to December	16.8	22.0	0.6	0.6
SCAQMD Threshold		547	10178	112	37
Threshold Exceeded?		No	No	No	No
2028	January to March	15.8	21.9	0.5	0.5
2028	April to June	15.8	21.9	0.5	0.5
2028	July to September	0.8	1.1	0.0	0.0
SCAQMD Threshold		547	10,178	112	37
Threshold Exceeded?		**No**	**No**	**No**	**No**

Scenario 2 - Mitigated - LST Emissions Summary (lbs/day)					
Year	Monthly Range	NOX	CO	PM_{10}	$PM_{2.5}$
2025	January to March	14.9	154.0	5.6	3.2
2025	April to June	27.6	267.7	26.6	14.2
2025	July to September	17.7	169.2	0.7	0.7
2025	October to December	17.7	169.2	0.7	0.7
SCAQMD Threshold		547	10178	112	37
Threshold Exceeded?		No	No	No	No
2026	January to March	19.4	169.5	0.8	0.7
2026	April to June	18.1	159.4	0.7	0.7
2026	July to September	15.4	143.8	0.6	0.6
2026	October to December	18.0	143.8	0.7	0.7
SCAQMD Threshold		547	10178	112	37
Threshold Exceeded?		No	No	No	No
2027	January to March	5.9	64.4	0.2	0.2
2027	April to June	7.2	64.4	0.3	0.3
2027	July to September	3.0	32.8	0.1	0.1
2027	October to December	3.0	32.8	0.1	0.1
SCAQMD Threshold		547	10178	112	37
Threshold Exceeded?		No	No	No	No
2028	January to March	3.0	32.8	0.1	0.1
2028	April to June	4.3	32.8	0.2	0.2
2028	July to September	0.0	0.0	0.0	0.0
SCAQMD Threshold		547	10,178	112	37
Threshold Exceeded?		**No**	**No**	**No**	**No**

Maximum Buildout Scenario - Unmitigated - Maximum Regional Daily ROG Emissions (lbs/day)										
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential	Total Maximum Daily Emissions
2025	*Jan*	11.3	--	--	--	--	--	--	--	11.3
2025	*Feb*	11.3	--	--	--	--	--	--	--	11.3
2025	*Mar*	--	4.1	--	--	--	--	--	--	4.1
2025	Apr	--	3.1	1.4	--	--	--	--	--	4.5
2025	May	--	1.5	1.4	5.5	5.4	4.7	5.0	3.8	27.3
2025	Jun	--	--	1.4	5.5	5.4	7.2	9.1	3.1	31.6
2025	Jul	--	--	1.4	5.2	5.3	7.2	9.1	3.1	31.2
2025	Aug	--	--	1.4	5.2	5.3	7.2	9.1	3.1	31.2
2025	Sep	--	--	1.4	5.2	5.3	7.2	9.1	3.1	31.2
2025	*Oct*	--	--	1.4	4.7	4.8	6.0	7.5	2.7	27.1
2025	*Nov*	--	--	1.4	4.7	4.8	6.0	7.5	2.7	27.1
2025	*Dec*	--	--	1.4	4.7	4.8	6.0	7.5	2.7	27.1
2026	*Jan*	--	--	1.3	4.5	4.6	5.8	7.2	2.6	26.0
2026	*Feb*	--	--	1.3	4.5	4.6	5.8	7.2	2.6	26.0
2026	*Mar*	--	--	33.0	4.5	4.6	5.8	7.2	2.6	57.8
2026	Apr	--	--	--	4.8	5.0	6.5	8.2	2.8	27.3
2026	May	--	--	--	4.8	5.0	6.5	8.2	2.8	27.3
2026	Jun	--	--	--	4.8	5.0	6.5	8.2	126.4	150.8
2026	Jul	--	--	--	4.8	5.0	6.5	8.2	126.4	150.8
2026	Aug	--	--	--	4.8	5.0	6.5	8.2	--	24.4
2026	Sep	--	--	--	4.8	5.0	6.5	8.2	--	24.4
2026	*Oct*	--	--	--	4.5	4.6	5.8	7.2	--	22.1
2026	*Nov*	--	--	--	5.2	4.8	5.8	7.2	--	23.0
2026	*Dec*	--	--	--	277.4	302.4	5.8	7.2	--	592.8
2027	*Jan*	--	--	--	277.4	302.4	5.6	7.0	--	592.3
2027	*Feb*	--	--	--	--	--	5.6	7.0	--	12.5
2027	*Mar*	--	--	--	--	--	5.6	7.0	--	12.5
2027	Apr	--	--	--	--	--	6.2	7.8	--	14.0
2027	May	--	--	--	--	--	6.2	7.8	--	14.0
2027	Jun	--	--	--	--	--	253.9	7.8	--	261.7
2027	Jul	--	--	--	--	--	253.9	7.8	--	261.7
2027	Aug	--	--	--	--	--	--	7.8	--	7.8
2027	Sep	--	--	--	--	--	--	7.8	--	7.8
2027	*Oct*	--	--	--	--	--	--	7.0	--	7.0
2027	*Nov*	--	--	--	--	--	--	7.0	--	7.0
2027	*Dec*	--	--	--	--	--	--	7.0	--	7.0
2028	*Jan*	--	--	--	--	--	--	6.7	--	6.7
2028	*Feb*	--	--	--	--	--	--	6.7	--	6.7
2028	*Mar*	--	--	--	--	--	--	6.7	--	6.7
2028	Apr	--	--	--	--	--	--	7.5	--	7.5
2028	May	--	--	--	--	--	--	4.1	--	4.1
2028	Jun	--	--	--	--	--	--	187.1	--	187.1
2028	Jul	--	--	--	--	--	--	187.1	--	187.1
2028	Aug	--	--	--	--	--	--	187.1	--	187.1

Maximum Buildout Scenario - Mitigated - Maximum Regional Daily ROG Emissions (lbs/day)										
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential	Total Maximum Daily Emissions
2025	*Jan*	3.1	--	--	--	--	--	--	--	3.1
2025	*Feb*	3.1	--	--	--	--	--	--	--	3.1
2025	*Mar*	--	1.4	--	--	--	--	--	--	1.4
2025	Apr	--	4.3	0.4	--	--	--	--	--	4.7
2025	May	--	0.8	0.2	1.2	1.2	1.0	1.1	0.7	6.3
2025	Jun	--	--	0.2	3.1	3.0	5.3	7.0	1.9	20.6
2025	Jul	--	--	0.2	3.1	3.0	5.3	7.0	1.9	20.6
2025	Aug	--	--	0.2	3.1	3.0	5.3	7.0	1.9	20.6
2025	Sep	--	--	0.2	3.1	3.0	5.3	7.0	1.9	20.6
2025	*Oct*	--	--	0.2	2.6	2.5	4.2	7.0	1.5	18.0
2025	*Nov*	--	--	0.2	2.6	2.5	4.2	7.0	1.5	18.0
2025	*Dec*	--	--	0.2	2.6	2.5	4.2	7.0	1.5	18.0
2026	*Jan*	--	--	0.2	2.5	2.4	4.0	5.2	1.5	15.8
2026	*Feb*	--	--	0.2	2.5	2.4	4.0	5.2	1.5	15.8
2026	*Mar*	--	--	3.3	2.5	2.4	4.0	5.2	1.5	18.9
2026	Apr	--	--	--	2.9	2.7	4.7	6.2	1.7	18.1
2026	May	--	--	--	2.9	2.7	4.7	6.2	1.7	18.1
2026	Jun	--	--	--	2.9	2.7	4.7	6.2	29.1	45.5
2026	Jul	--	--	--	2.9	2.7	4.7	6.2	29.1	45.5
2026	Aug	--	--	--	2.9	2.7	4.7	6.2	--	16.4
2026	Sep	--	--	--	2.9	2.7	4.7	6.2	--	16.4
2026	*Oct*	--	--	--	2.5	2.4	4.0	5.2	--	14.2
2026	*Nov*	--	--	--	3.7	3.1	4.0	5.2	--	16.0
2026	*Dec*	--	--	--	38.0	39.2	4.0	5.2	--	86.4
2027	*Jan*	--	--	--	38.0	39.2	3.8	5.0	--	86.0
2027	*Feb*	--	--	--	--	--	3.8	5.0	--	8.8
2027	*Mar*	--	--	--	--	--	3.8	5.0	--	8.8
2027	Apr	--	--	--	--	--	4.5	5.9	--	10.4
2027	May	--	--	--	--	--	4.5	5.9	--	10.4
2027	Jun	--	--	--	--	--	59.1	5.9	--	64.9
2027	Jul	--	--	--	--	--	59.1	5.9	--	64.9
2027	Aug	--	--	--	--	--	--	5.9	--	5.9
2027	Sep	--	--	--	--	--	--	5.9	--	5.9
2027	*Oct*	--	--	--	--	--	--	5.0	--	5.0
2027	*Nov*	--	--	--	--	--	--	5.0	--	5.0
2027	*Dec*	--	--	--	--	--	--	5.0	--	5.0
2028	*Jan*	--	--	--	--	--	--	4.8	--	4.8
2028	*Feb*	--	--	--	--	--	--	4.8	--	4.8
2028	*Mar*	--	--	--	--	--	--	4.8	--	4.8
2028	Apr	--	--	--	--	--	--	5.6	--	5.6
2028	May	--	--	--	--	--	--	2.7	--	2.7
2028	Jun	--	--	--	--	--	--	44.2	--	44.2
2028	Jul	--	--	--	--	--	--	44.2	--	44.2

2028	Aug	--	--	--	--	--	--	44.2	--	44.2

Maximum Buildout Scenario - Unmitigated - Maximum Regional Daily NOx Emissions (lbs/day)

Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential	Total Maximum Daily Emissions
2025	*Jan*	79.0	--	--	--	--	--	--	--	79.0
2025	*Feb*	78.3	--	--	--	--	--	--	--	78.3
2025	*Mar*	--	43.7	--	--	--	--	--	--	43.7
2025	Apr	--	25.8	14.4	--	--	--	--	--	40.2
2025	May	--	13.3	11.4	44.0	43.5	39.6	41.3	34.2	227.3
2025	Jun	--	--	11.4	44.0	43.5	39.6	41.3	15.9	195.7
2025	Jul	--	--	11.4	29.2	29.4	27.2	32.0	15.9	145.1
2025	Aug	--	--	11.4	29.2	29.4	27.2	32.0	15.9	145.1
2025	Sep	--	--	11.4	29.2	29.4	27.2	32.0	15.9	145.1
2025	*Oct*	--	--	11.5	29.7	29.9	27.9	33.0	16.1	148.0
2025	*Nov*	--	--	11.5	29.7	29.9	27.9	33.0	16.1	148.0
2025	*Dec*	--	--	11.5	29.7	29.9	27.9	33.0	16.1	148.0
2026	*Jan*	--	--	10.9	27.8	28.1	26.2	30.9	15.1	139.0
2026	*Feb*	--	--	10.9	27.8	28.1	26.2	30.9	15.1	139.0
2026	*Mar*	--	--	10.9	27.8	28.1	26.2	30.9	15.1	139.0
2026	Apr	--	--	--	27.3	27.6	25.5	30.0	14.9	125.3
2026	May	--	--	--	27.3	27.6	25.5	30.0	14.9	125.3
2026	Jun	--	--	--	27.3	27.6	25.5	30.0	9.5	119.9
2026	Jul	--	--	--	27.3	27.6	25.5	30.0	1.1	111.5
2026	Aug	--	--	--	27.3	27.6	25.5	30.0	--	110.4
2026	Sep	--	--	--	27.3	27.6	25.5	30.0	--	110.4
2026	*Oct*	--	--	--	27.8	28.1	26.2	30.9	--	113.0
2026	*Nov*	--	--	--	27.8	28.1	26.2	30.9	--	113.0
2026	*Dec*	--	--	--	18.5	18.1	26.2	30.9	--	93.8
2027	*Jan*	--	--	--	1.2	1.2	24.8	29.2	--	56.4
2027	*Feb*	--	--	--	--	--	24.8	29.2	--	54.1
2027	*Mar*	--	--	--	--	--	24.8	29.2	--	54.1
2027	Apr	--	--	--	--	--	24.2	28.4	--	52.5
2027	May	--	--	--	--	--	24.2	28.4	--	52.5
2027	Jun	--	--	--	--	--	14.0	28.4	--	42.4
2027	Jul	--	--	--	--	--	1.6	28.4	--	30.0
2027	Aug	--	--	--	--	--	--	28.4	--	28.4
2027	Sep	--	--	--	--	--	--	28.4	--	28.4
2027	*Oct*	--	--	--	--	--	--	29.2	--	29.2
2027	*Nov*	--	--	--	--	--	--	29.2	--	29.2
2027	*Dec*	--	--	--	--	--	--	29.2	--	29.2
2028	*Jan*	--	--	--	--	--	--	27.3	--	27.3
2028	*Feb*	--	--	--	--	--	--	27.3	--	27.3
2028	*Mar*	--	--	--	--	--	--	27.3	--	27.3
2028	Apr	--	--	--	--	--	--	26.4	--	26.4
2028	May	--	--	--	--	--	--	14.5	--	14.5
2028	Jun	--	--	--	--	--	--	14.5	--	14.5

2028	Jul	--	--	--	--	--	--	1.7	--	1.7
2028	Aug	--	--	--	--	--	--	1.7	--	1.7

Maximum Buildout Scenario - Mitigated - Maximum Regional Daily NOx Emissions (lbs/day)

Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential	Total Maximum Daily Emissions
2025	*Jan*	15.8	--	--	--	--	--	--	--	15.8
2025	*Feb*	15.8	--	--	--	--	--	--	--	15.8
2025	*Mar*	--	18.6	--	--	--	--	--	--	18.6
2025	Apr	--	6.8	4.4	--	--	--	--	--	11.2
2025	May	--	6.8	1.1	5.7	5.6	4.6	5.0	3.3	32.0
2025	Jun	--	--	1.1	12.4	11.1	11.8	15.3	4.6	56.3
2025	Jul	--	--	1.1	12.4	11.1	11.8	15.3	4.6	56.3
2025	Aug	--	--	1.1	12.4	11.1	11.8	15.3	4.6	56.3
2025	Sep	--	--	1.1	12.4	11.1	11.8	15.3	4.6	56.3
2025	*Oct*	--	--	1.1	12.9	11.6	12.5	15.3	4.8	58.3
2025	*Nov*	--	--	1.1	12.9	11.6	12.5	15.3	4.8	58.3
2025	*Dec*	--	--	1.1	12.9	11.6	12.5	15.3	4.8	58.3
2026	*Jan*	--	--	1.1	12.3	11.2	11.9	15.5	4.6	56.7
2026	*Feb*	--	--	1.1	12.3	11.2	11.9	15.5	4.6	56.7
2026	*Mar*	--	--	2.8	12.3	11.2	11.9	15.5	4.6	58.4
2026	Apr	--	--	--	11.8	10.7	11.2	14.6	4.4	52.7
2026	May	--	--	--	11.8	10.7	11.2	14.6	4.4	52.7
2026	Jun	--	--	--	11.8	10.7	11.2	14.6	3.0	51.3
2026	Jul	--	--	--	11.8	10.7	11.2	14.6	0.3	48.6
2026	Aug	--	--	--	11.8	10.7	11.2	14.6	--	48.3
2026	Sep	--	--	--	11.8	10.7	11.2	14.6	--	48.3
2026	*Oct*	--	--	--	12.3	11.2	11.9	15.5	--	50.9
2026	*Nov*	--	--	--	12.3	11.2	11.9	15.5	--	50.9
2026	*Dec*	--	--	--	7.1	5.3	11.9	15.5	--	39.8
2027	*Jan*	--	--	--	0.3	0.4	11.3	14.7	--	26.7
2027	*Feb*	--	--	--	--	--	11.3	14.7	--	26.0
2027	*Mar*	--	--	--	--	--	11.3	14.7	--	26.0
2027	Apr	--	--	--	--	--	10.7	13.8	--	24.4
2027	May	--	--	--	--	--	10.7	13.8	--	24.4
2027	Jun	--	--	--	--	--	4.3	13.8	--	18.1
2027	Jul	--	--	--	--	--	0.8	13.8	--	14.5
2027	Aug	--	--	--	--	--	--	13.8	--	13.8
2027	Sep	--	--	--	--	--	--	13.8	--	13.8
2027	*Oct*	--	--	--	--	--	--	14.7	--	14.7
2027	*Nov*	--	--	--	--	--	--	14.7	--	14.7
2027	*Dec*	--	--	--	--	--	--	14.7	--	14.7
2028	*Jan*	--	--	--	--	--	--	13.9	--	13.9
2028	*Feb*	--	--	--	--	--	--	13.9	--	13.9
2028	*Mar*	--	--	--	--	--	--	13.9	--	13.9
2028	Apr	--	--	--	--	--	--	13.0	--	13.0
2028	May	--	--	--	--	--	--	4.7	--	4.7

2028	Jun	--	--	--	--	--	--	4.7	--	4.7
2028	Jul	--	--	--	--	--	--	0.9	--	0.9
2028	Aug	--	--	--	--	--	--	0.9	--	0.9

Maximum Buildout Scenario - Unmitigated - Maximum Regional Daily CO Emissions (lbs/day)

Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential	Total Maximum Daily Emissions
2025	*Jan*	87.2	--	--	--	--	--	--	--	87.2
2025	*Feb*	87.2	--	--	--	--	--	--	--	87.2
2025	*Mar*	--	43.6	--	--	--	--	--	--	43.6
2025	Apr	--	29.4	13.2	--	--	--	--	--	42.6
2025	May	--	16.8	13.0	46.2	45.7	41.1	43.1	34.7	240.5
2025	Jun	--	--	13.0	62.6	65.9	106.8	138.0	44.1	430.5
2025	Jul	--	--	13.0	62.6	65.9	106.8	138.0	44.1	430.5
2025	Aug	--	--	13.0	62.6	65.9	106.8	138.0	44.1	430.5
2025	Sep	--	--	13.0	62.6	65.9	106.8	138.0	44.1	430.5
2025	*Oct*	--	--	12.8	47.8	49.6	70.9	89.6	32.2	302.8
2025	*Nov*	--	--	12.8	47.8	49.6	70.9	89.6	32.2	302.8
2025	*Dec*	--	--	12.8	47.8	49.6	70.9	89.6	32.2	302.8
2026	*Jan*	--	--	12.7	46.2	47.8	67.3	84.7	30.8	289.6
2026	*Feb*	--	--	12.7	46.2	47.8	67.3	84.7	30.8	289.6
2026	*Mar*	--	--	12.7	46.2	47.8	67.3	84.7	30.8	289.6
2026	Apr	--	--	--	60.1	63.0	100.8	129.7	42.0	395.5
2026	May	--	--	--	60.1	63.0	100.8	129.7	42.0	395.5
2026	Jun	--	--	--	60.1	63.0	100.8	129.7	14.2	367.7
2026	Jul	--	--	--	60.1	63.0	100.8	129.7	6.3	359.8
2026	Aug	--	--	--	60.1	63.0	100.8	129.7	--	353.5
2026	Sep	--	--	--	60.1	63.0	100.8	129.7	--	353.5
2026	*Oct*	--	--	--	46.2	47.8	67.3	84.7	--	246.0
2026	*Nov*	--	--	--	46.2	47.8	67.3	84.7	--	246.0
2026	*Dec*	--	--	--	24.5	24.0	67.3	84.7	--	200.5
2027	*Jan*	--	--	--	4.5	4.9	64.1	80.5	--	153.9
2027	*Feb*	--	--	--	--	--	64.1	80.5	--	144.6
2027	*Mar*	--	--	--	--	--	64.1	80.5	--	144.6
2027	Apr	--	--	--	--	--	95.2	122.4	--	217.6
2027	May	--	--	--	--	--	95.2	122.4	--	217.6
2027	Jun	--	--	--	--	--	20.4	122.4	--	142.7
2027	Jul	--	--	--	--	--	15.5	122.4	--	137.9
2027	Aug	--	--	--	--	--	--	122.4	--	122.4
2027	Sep	--	--	--	--	--	--	122.4	--	122.4
2027	*Oct*	--	--	--	--	--	--	80.5	--	80.5
2027	*Nov*	--	--	--	--	--	--	80.5	--	80.5
2027	*Dec*	--	--	--	--	--	--	80.5	--	80.5
2028	*Jan*	--	--	--	--	--	--	76.3	--	76.3
2028	*Feb*	--	--	--	--	--	--	76.3	--	76.3
2028	*Mar*	--	--	--	--	--	--	76.3	--	76.3
2028	Apr	--	--	--	--	--	--	115.8	--	115.8

2028	May	--	--	--	--	--	--	22.1	--	22.1
2028	Jun	--	--	--	--	--	--	22.1	--	22.1
2028	Jul	--	--	--	--	--	--	19.2	--	19.2
2028	Aug	--	--	--	--	--	--	19.2	--	19.2

Maximum Buildout Scenario - Mitigated - Maximum Regional Daily CO Emissions (lbs/day)

Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential	Total Maximum Daily Emissions
2025	*Jan*	157.7	--	--	--	--	--	--	--	157.7
2025	*Feb*	157.7	--	--	--	--	--	--	--	157.7
2025	*Mar*	--	57.4	--	--	--	--	--	--	57.4
2025	Apr	--	39.1	18.1	--	--	--	--	--	57.2
2025	May	--	20.9	10.3	60.2	59.2	49.5	53.7	36.1	289.8
2025	Jun	--	--	10.3	75.1	81.0	116.9	150.2	47.1	480.7
2025	Jul	--	--	10.3	75.1	81.0	116.9	150.2	47.1	480.7
2025	Aug	--	--	10.3	75.1	81.0	116.9	150.2	47.1	480.7
2025	Sep	--	--	10.3	75.1	81.0	116.9	150.2	47.1	480.7
2025	*Oct*	--	--	10.1	60.3	64.7	81.0	150.2	35.2	401.4
2025	*Nov*	--	--	10.1	60.3	64.7	81.0	150.2	35.2	401.4
2025	*Dec*	--	--	10.1	60.3	64.7	81.0	150.2	35.2	401.4
2026	*Jan*	--	--	10.1	58.7	63.0	77.4	97.0	33.9	340.1
2026	*Feb*	--	--	10.1	58.7	63.0	77.4	97.0	33.9	340.1
2026	*Mar*	--	--	11.0	58.7	63.0	77.4	97.0	33.9	341.0
2026	Apr	--	--	--	72.6	78.2	110.9	142.0	45.1	448.7
2026	May	--	--	--	72.6	78.2	110.9	142.0	45.1	448.7
2026	Jun	--	--	--	72.6	78.2	110.9	142.0	18.1	421.7
2026	Jul	--	--	--	72.6	78.2	110.9	142.0	5.2	408.8
2026	Aug	--	--	--	72.6	78.2	110.9	142.0	--	403.6
2026	Sep	--	--	--	72.6	78.2	110.9	142.0	--	403.6
2026	*Oct*	--	--	--	58.7	63.0	77.4	97.0	--	296.1
2026	*Nov*	--	--	--	58.7	63.0	77.4	97.0	--	296.1
2026	*Dec*	--	--	--	37.8	40.0	77.4	97.0	--	252.2
2027	*Jan*	--	--	--	3.4	3.7	74.3	92.8	--	174.2
2027	*Feb*	--	--	--	--	--	74.3	92.8	--	167.1
2027	*Mar*	--	--	--	--	--	74.3	92.8	--	167.1
2027	Apr	--	--	--	--	--	105.4	134.7	--	240.1
2027	May	--	--	--	--	--	105.4	134.7	--	240.1
2027	Jun	--	--	--	--	--	31.3	134.7	--	165.9
2027	Jul	--	--	--	--	--	14.4	134.7	--	149.1
2027	Aug	--	--	--	--	--	--	134.7	--	134.7
2027	Sep	--	--	--	--	--	--	134.7	--	134.7
2027	*Oct*	--	--	--	--	--	--	92.8	--	92.8
2027	*Nov*	--	--	--	--	--	--	92.8	--	92.8
2027	*Dec*	--	--	--	--	--	--	92.8	--	92.8
2028	*Jan*	--	--	--	--	--	--	88.7	--	88.7
2028	*Feb*	--	--	--	--	--	--	88.7	--	88.7
2028	*Mar*	--	--	--	--	--	--	88.7	--	88.7

2028	Apr	--	--	--	--	--	--	128.2	--	128.2
2028	May	--	--	--	--	--	--	35.3	--	35.3
2028	Jun	--	--	--	--	--	--	35.3	--	35.3
2028	Jul	--	--	--	--	--	--	18.1	--	18.1
2028	Aug	--	--	--	--	--	--	18.1	--	18.1

Maximum Buildout Scenario - Unmitigated - Maximum Regional Daily SO2 Emissions (lbs/day)

Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential	Total Maximum Daily Emissions
2025	*Jan*	0.3	--	--	--	--	--	--	--	0.3
2025	*Feb*	0.3	--	--	--	--	--	--	--	0.3
2025	*Mar*	--	0.2	--	--	--	--	--	--	0.2
2025	Apr	--	0.1	0.1	--	--	--	--	--	0.1
2025	May	--	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.5
2025	Jun	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.5
2025	Jul	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.5
2025	Aug	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.5
2025	Sep	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.5
2025	*Oct*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.5
2025	*Nov*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.5
2025	*Dec*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.5
2026	*Jan*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.5
2026	*Feb*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.5
2026	*Mar*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.5
2026	Apr	--	--	--	0.1	0.1	0.1	0.1	0.0	0.5
2026	May	--	--	--	0.1	0.1	0.1	0.1	0.0	0.5
2026	Jun	--	--	--	0.1	0.1	0.1	0.1	0.0	0.5
2026	Jul	--	--	--	0.1	0.1	0.1	0.1	0.0	0.4
2026	Aug	--	--	--	0.1	0.1	0.1	0.1	--	0.4
2026	Sep	--	--	--	0.1	0.1	0.1	0.1	--	0.4
2026	*Oct*	--	--	--	0.1	0.1	0.1	0.1	--	0.4
2026	*Nov*	--	--	--	0.1	0.1	0.1	0.1	--	0.4
2026	*Dec*	--	--	--	0.1	0.1	0.1	0.1	--	0.3
2027	*Jan*	--	--	--	0.0	0.0	0.1	0.1	--	0.2
2027	*Feb*	--	--	--	--	--	0.1	0.1	--	0.2
2027	*Mar*	--	--	--	--	--	0.1	0.1	--	0.2
2027	Apr	--	--	--	--	--	0.1	0.1	--	0.2
2027	May	--	--	--	--	--	0.1	0.1	--	0.2
2027	Jun	--	--	--	--	--	0.1	0.1	--	0.2
2027	Jul	--	--	--	--	--	0.0	0.1	--	0.1
2027	Aug	--	--	--	--	--	--	0.1	--	0.1
2027	Sep	--	--	--	--	--	--	0.1	--	0.1
2027	*Oct*	--	--	--	--	--	--	0.1	--	0.1
2027	*Nov*	--	--	--	--	--	--	0.1	--	0.1
2027	*Dec*	--	--	--	--	--	--	0.1	--	0.1
2028	*Jan*	--	--	--	--	--	--	0.1	--	0.1
2028	*Feb*	--	--	--	--	--	--	0.1	--	0.1

2028	*Mar*	--	--	--	--	--	--	0.1	--	0.1
2028	Apr	--	--	--	--	--	--	0.1	--	0.1
2028	May	--	--	--	--	--	--	0.1	--	0.1
2028	Jun	--	--	--	--	--	--	0.1	--	0.1
2028	Jul	--	--	--	--	--	--	0.0	--	0.0
2028	Aug	--	--	--	--	--	--	0.0	--	0.0

Maximum Buildout Scenario - Mitigated - Maximum Regional Daily SO2 Emissions (lbs/day)

Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential	Total Maximum Daily Emissions
2025	*Jan*	0.3	--	--	--	--	--	--	--	0.3
2025	*Feb*	0.3	--	--	--	--	--	--	--	0.3
2025	*Mar*	--	0.2	--	--	--	--	--	--	0.2
2025	Apr	--	0.1	0.1	--	--	--	--	--	0.1
2025	May	--	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.5
2025	Jun	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.5
2025	Jul	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.5
2025	Aug	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.5
2025	Sep	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.5
2025	*Oct*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.5
2025	*Nov*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.5
2025	*Dec*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.5
2026	*Jan*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.5
2026	*Feb*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.5
2026	*Mar*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.5
2026	Apr	--	--	--	0.1	0.1	0.1	0.1	0.0	0.4
2026	May	--	--	--	0.1	0.1	0.1	0.1	0.0	0.4
2026	Jun	--	--	--	0.1	0.1	0.1	0.1	0.0	0.4
2026	Jul	--	--	--	0.1	0.1	0.1	0.1	0.0	0.4
2026	Aug	--	--	--	0.1	0.1	0.1	0.1	--	0.4
2026	Sep	--	--	--	0.1	0.1	0.1	0.1	--	0.4
2026	*Oct*	--	--	--	0.1	0.1	0.1	0.1	--	0.4
2026	*Nov*	--	--	--	0.1	0.1	0.1	0.1	--	0.4
2026	*Dec*	--	--	--	0.1	0.1	0.1	0.1	--	0.3
2027	*Jan*	--	--	--	0.0	0.0	0.1	0.1	--	0.2
2027	*Feb*	--	--	--	--	--	0.1	0.1	--	0.2
2027	*Mar*	--	--	--	--	--	0.1	0.1	--	0.2
2027	Apr	--	--	--	--	--	0.1	0.1	--	0.2
2027	May	--	--	--	--	--	0.1	0.1	--	0.2
2027	Jun	--	--	--	--	--	0.1	0.1	--	0.2
2027	Jul	--	--	--	--	--	0.0	0.1	--	0.1
2027	Aug	--	--	--	--	--	--	0.1	--	0.1
2027	Sep	--	--	--	--	--	--	0.1	--	0.1
2027	*Oct*	--	--	--	--	--	--	0.1	--	0.1
2027	*Nov*	--	--	--	--	--	--	0.1	--	0.1
2027	*Dec*	--	--	--	--	--	--	0.1	--	0.1
2028	*Jan*	--	--	--	--	--	--	0.1	--	0.1

2028	*Feb*	--	--	--	--	--	--	0.1	--	0.1
2028	*Mar*	--	--	--	--	--	--	0.1	--	0.1
2028	Apr	--	--	--	--	--	--	0.1	--	0.1
2028	May	--	--	--	--	--	--	0.1	--	0.1
2028	Jun	--	--	--	--	--	--	0.1	--	0.1
2028	Jul	--	--	--	--	--	--	0.0	--	0.0
2028	Aug	--	--	--	--	--	--	0.0	--	0.0

Maximum Buildout Scenario - Unmitigated - Maximum Regional Daily PM10 Exhaust Emissions (lbs/day)

Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential	Total Maximum Daily Emissions
2025	*Jan*	3.0	--	--	--	--	--	--	--	3.0
2025	*Feb*	3.0	--	--	--	--	--	--	--	3.0
2025	*Mar*	--	1.6	--	--	--	--	--	--	1.6
2025	Apr	--	1.0	0.5	--	--	--	--	--	1.6
2025	May	--	0.5	0.4	1.8	1.8	1.6	1.7	1.5	9.3
2025	Jun	--	--	0.4	1.8	1.8	1.6	1.7	0.5	7.9
2025	Jul	--	--	0.4	0.9	0.9	0.8	0.9	0.5	4.4
2025	Aug	--	--	0.4	0.9	0.9	0.8	0.9	0.5	4.4
2025	Sep	--	--	0.4	0.9	0.9	0.8	0.9	0.5	4.4
2025	*Oct*	--	--	0.4	0.9	0.9	0.8	0.9	0.5	4.4
2025	*Nov*	--	--	0.4	0.9	0.9	0.8	0.9	0.5	4.4
2025	*Dec*	--	--	0.4	0.9	0.9	0.8	0.9	0.5	4.4
2026	*Jan*	--	--	0.4	0.8	0.8	0.7	0.8	0.5	4.0
2026	*Feb*	--	--	0.4	0.8	0.8	0.7	0.8	0.5	4.0
2026	*Mar*	--	--	0.4	0.8	0.8	0.7	0.8	0.5	4.0
2026	Apr	--	--	--	0.8	0.8	0.7	0.8	0.5	3.6
2026	May	--	--	--	0.8	0.8	0.7	0.8	0.5	3.6
2026	Jun	--	--	--	0.8	0.8	0.7	0.8	0.4	3.5
2026	Jul	--	--	--	0.8	0.8	0.7	0.8	0.0	3.2
2026	Aug	--	--	--	0.8	0.8	0.7	0.8	--	3.1
2026	Sep	--	--	--	0.8	0.8	0.7	0.8	--	3.1
2026	*Oct*	--	--	--	0.8	0.8	0.7	0.8	--	3.1
2026	*Nov*	--	--	--	0.8	0.8	0.7	0.8	--	3.1
2026	*Dec*	--	--	--	0.7	0.7	0.7	0.8	--	2.9
2027	*Jan*	--	--	--	0.0	0.0	0.6	0.7	--	1.4
2027	*Feb*	--	--	--	--	--	0.6	0.7	--	1.4
2027	*Mar*	--	--	--	--	--	0.6	0.7	--	1.4
2027	Apr	--	--	--	--	--	0.6	0.7	--	1.4
2027	May	--	--	--	--	--	0.6	0.7	--	1.4
2027	Jun	--	--	--	--	--	0.5	0.7	--	1.3
2027	Jul	--	--	--	--	--	0.0	0.7	--	0.7
2027	Aug	--	--	--	--	--	--	0.7	--	0.7
2027	Sep	--	--	--	--	--	--	0.7	--	0.7
2027	*Oct*	--	--	--	--	--	--	0.7	--	0.7
2027	*Nov*	--	--	--	--	--	--	0.7	--	0.7
2027	*Dec*	--	--	--	--	--	--	0.7	--	0.7

2028	*Jan*	--	--	--	--	--	--	0.7	--	0.7
2028	*Feb*	--	--	--	--	--	--	0.7	--	0.7
2028	*Mar*	--	--	--	--	--	--	0.7	--	0.7
2028	Apr	--	--	--	--	--	--	0.7	--	0.7
2028	May	--	--	--	--	--	--	0.5	--	0.5
2028	Jun	--	--	--	--	--	--	0.5	--	0.5
2028	Jul	--	--	--	--	--	--	0.0	--	0.0
2028	Aug	--	--	--	--	--	--	0.0	--	0.0

Maximum Buildout Scenario - Mitigated - Maximum Regional Daily PM10 Exhaust Emissions (lbs/day)

Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential	Total Maximum Daily Emissions
2025	*Jan*	0.6	--	--	--	--	--	--	--	0.6
2025	*Feb*	0.6	--	--	--	--	--	--	--	0.6
2025	*Mar*	--	0.5	--	--	--	--	--	--	0.5
2025	Apr	--	0.2	0.1	--	--	--	--	--	0.3
2025	May	--	0.2	0.0	0.2	0.2	0.2	0.2	0.1	1.1
2025	Jun	--	--	0.0	0.3	0.2	0.2	0.2	0.1	1.0
2025	Jul	--	--	0.0	0.3	0.2	0.2	0.2	0.1	1.0
2025	Aug	--	--	0.0	0.3	0.2	0.2	0.2	0.1	1.0
2025	Sep	--	--	0.0	0.3	0.2	0.2	0.2	0.1	1.0
2025	*Oct*	--	--	0.0	0.3	0.2	0.2	0.2	0.1	1.0
2025	*Nov*	--	--	0.0	0.3	0.2	0.2	0.2	0.1	1.0
2025	*Dec*	--	--	0.0	0.3	0.2	0.2	0.2	0.1	1.0
2026	*Jan*	--	--	0.0	0.3	0.2	0.2	0.2	0.1	1.0
2026	*Feb*	--	--	0.0	0.3	0.2	0.2	0.2	0.1	1.0
2026	*Mar*	--	--	0.1	0.3	0.2	0.2	0.2	0.1	1.1
2026	Apr	--	--	--	0.3	0.2	0.2	0.2	0.1	1.0
2026	May	--	--	--	0.3	0.2	0.2	0.2	0.1	1.0
2026	Jun	--	--	--	0.3	0.2	0.2	0.2	0.1	1.0
2026	Jul	--	--	--	0.3	0.2	0.2	0.2	0.0	0.9
2026	Aug	--	--	--	0.3	0.2	0.2	0.2	--	0.9
2026	Sep	--	--	--	0.3	0.2	0.2	0.2	--	0.9
2026	*Oct*	--	--	--	0.3	0.2	0.2	0.2	--	0.9
2026	*Nov*	--	--	--	0.3	0.2	0.2	0.2	--	0.9
2026	*Dec*	--	--	--	0.3	0.2	0.2	0.2	--	0.9
2027	*Jan*	--	--	--	0.0	0.0	0.2	0.2	--	0.4
2027	*Feb*	--	--	--	--	--	0.2	0.2	--	0.4
2027	*Mar*	--	--	--	--	--	0.2	0.2	--	0.4
2027	Apr	--	--	--	--	--	0.2	0.2	--	0.4
2027	May	--	--	--	--	--	0.2	0.2	--	0.4
2027	Jun	--	--	--	--	--	0.2	0.2	--	0.4
2027	Jul	--	--	--	--	--	0.0	0.2	--	0.2
2027	Aug	--	--	--	--	--	--	0.2	--	0.2
2027	Sep	--	--	--	--	--	--	0.2	--	0.2
2027	*Oct*	--	--	--	--	--	--	0.2	--	0.2
2027	*Nov*	--	--	--	--	--	--	0.2	--	0.2

2027	*Dec*	--	--	--	--	--	--	0.2	--	0.2
2028	*Jan*	--	--	--	--	--	--	0.2	--	0.2
2028	*Feb*	--	--	--	--	--	--	0.2	--	0.2
2028	*Mar*	--	--	--	--	--	--	0.2	--	0.2
2028	Apr	--	--	--	--	--	--	0.2	--	0.2
2028	May	--	--	--	--	--	--	0.2	--	0.2
2028	Jun	--	--	--	--	--	--	0.2	--	0.2
2028	Jul	--	--	--	--	--	--	0.0	--	0.0
2028	Aug	--	--	--	--	--	--	0.0	--	0.0

Maximum Buildout Scenario - Unmitigated - Maximum Regional Daily PM10 Dust Emissions (lbs/day)

Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential	Total Maximum Daily Emissions
2025	*Jan*	56.9	--	--	--	--	--	--	--	56.9
2025	*Feb*	3.4	--	--	--	--	--	--	--	3.4
2025	*Mar*	--	57.8	--	--	--	--	--	--	57.8
2025	Apr	--	1.1	42.6	--	--	--	--	--	43.7
2025	May	--	0.8	0.1	13.7	13.7	12.2	13.0	10.8	64.3
2025	Jun	--	--	0.1	13.7	13.7	12.5	16.8	4.2	61.0
2025	Jul	--	--	0.1	5.9	6.5	12.5	16.8	4.2	46.1
2025	Aug	--	--	0.1	5.9	6.5	12.5	16.8	4.2	46.1
2025	Sep	--	--	0.1	5.9	6.5	12.5	16.8	4.2	46.1
2025	*Oct*	--	--	0.1	5.9	6.5	12.5	16.8	4.2	46.1
2025	*Nov*	--	--	0.1	5.9	6.5	12.5	16.8	4.2	46.1
2025	*Dec*	--	--	0.1	5.9	6.5	12.5	16.8	4.2	46.1
2026	*Jan*	--	--	0.1	5.9	6.5	12.5	16.8	4.2	46.1
2026	*Feb*	--	--	0.1	5.9	6.5	12.5	16.8	4.2	46.1
2026	*Mar*	--	--	0.2	5.9	6.5	12.5	16.8	4.2	46.2
2026	Apr	--	--	--	5.9	6.5	12.5	16.8	4.2	46.0
2026	May	--	--	--	5.9	6.5	12.5	16.8	4.2	46.0
2026	Jun	--	--	--	5.9	6.5	12.5	16.8	0.8	42.5
2026	Jul	--	--	--	5.9	6.5	12.5	16.8	0.8	42.5
2026	Aug	--	--	--	5.9	6.5	12.5	16.8	--	41.8
2026	Sep	--	--	--	5.9	6.5	12.5	16.8	--	41.8
2026	*Oct*	--	--	--	5.9	6.5	12.5	16.8	--	41.8
2026	*Nov*	--	--	--	5.9	6.5	12.5	16.8	--	41.8
2026	*Dec*	--	--	--	0.9	1.0	12.5	16.8	--	31.3
2027	*Jan*	--	--	--	0.9	1.0	12.5	16.8	--	31.3
2027	*Feb*	--	--	--	--	--	12.5	16.8	--	29.3
2027	*Mar*	--	--	--	--	--	12.5	16.8	--	29.3
2027	Apr	--	--	--	--	--	12.5	16.8	--	29.3
2027	May	--	--	--	--	--	12.5	16.8	--	29.3
2027	Jun	--	--	--	--	--	2.3	16.8	--	19.1
2027	Jul	--	--	--	--	--	2.3	16.8	--	19.1
2027	Aug	--	--	--	--	--	--	16.8	--	16.8
2027	Sep	--	--	--	--	--	--	16.8	--	16.8
2027	*Oct*	--	--	--	--	--	--	16.8	--	16.8
2027	*Nov*	--	--	--	--	--	--	16.8	--	16.8
2027	*Dec*	--	--	--	--	--	--	16.8	--	16.8
2028	*Jan*	--	--	--	--	--	--	16.8	--	16.8
2028	*Feb*	--	--	--	--	--	--	16.8	--	16.8
2028	*Mar*	--	--	--	--	--	--	16.8	--	16.8
2028	Apr	--	--	--	--	--	--	16.8	--	16.8
2028	May	--	--	--	--	--	--	0.3	--	0.3
2028	Jun	--	--	--	--	--	--	3.1	--	3.1
2028	Jul	--	--	--	--	--	--	3.1	--	3.1
2028	Aug	--	--	--	--	--	--	3.1	--	3.1

Maximum Buildout Scenario - Mitigated - Maximum Regional Daily PM10 Dust Emissions (lbs/day)										
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential	Total Maximum Daily Emissions
2025	*Jan*	56.9	--	--	--	--	--	--	--	56.9
2025	*Feb*	3.4	--	--	--	--	--	--	--	3.4
2025	*Mar*	--	57.8	--	--	--	--	--	--	57.8
2025	Apr	--	1.1	42.6	--	--	--	--	--	43.7
2025	May	--	0.8	0.1	13.7	13.7	12.2	13.0	10.8	64.3
2025	Jun	--	--	0.1	13.7	13.7	12.5	16.8	4.2	61.0
2025	Jul	--	--	0.1	5.9	6.5	12.5	16.8	4.2	46.1
2025	Aug	--	--	0.1	5.9	6.5	12.5	16.8	4.2	46.1
2025	Sep	--	--	0.1	5.9	6.5	12.5	16.8	4.2	46.1
2025	*Oct*	--	--	0.1	5.9	6.5	12.5	16.8	4.2	46.1
2025	*Nov*	--	--	0.1	5.9	6.5	12.5	16.8	4.2	46.1
2025	*Dec*	--	--	0.1	5.9	6.5	12.5	16.8	4.2	46.1
2026	*Jan*	--	--	0.1	5.9	6.5	12.5	16.8	4.2	46.1
2026	*Feb*	--	--	0.1	5.9	6.5	12.5	16.8	4.2	46.1
2026	*Mar*	--	--	0.2	5.9	6.5	12.5	16.8	4.2	46.2
2026	Apr	--	--	--	5.9	6.5	12.5	16.8	4.2	46.0
2026	May	--	--	--	5.9	6.5	12.5	16.8	4.2	46.0
2026	Jun	--	--	--	5.9	6.5	12.5	16.8	0.8	42.5
2026	Jul	--	--	--	5.9	6.5	12.5	16.8	0.8	42.5
2026	Aug	--	--	--	5.9	6.5	12.5	16.8	--	41.8
2026	Sep	--	--	--	5.9	6.5	12.5	16.8	--	41.8
2026	*Oct*	--	--	--	5.9	6.5	12.5	16.8	--	41.8
2026	*Nov*	--	--	--	5.9	6.5	12.5	16.8	--	41.8
2026	*Dec*	--	--	--	0.9	1.0	12.5	16.8	--	31.3
2027	*Jan*	--	--	--	0.9	1.0	12.5	16.8	--	31.3
2027	*Feb*	--	--	--	--	--	12.5	16.8	--	29.3
2027	*Mar*	--	--	--	--	--	12.5	16.8	--	29.3
2027	Apr	--	--	--	--	--	12.5	16.8	--	29.3
2027	May	--	--	--	--	--	12.5	16.8	--	29.3
2027	Jun	--	--	--	--	--	2.3	16.8	--	19.1
2027	Jul	--	--	--	--	--	2.3	16.8	--	19.1
2027	Aug	--	--	--	--	--	--	16.8	--	16.8
2027	Sep	--	--	--	--	--	--	16.8	--	16.8
2027	*Oct*	--	--	--	--	--	--	16.8	--	16.8
2027	*Nov*	--	--	--	--	--	--	16.8	--	16.8
2027	*Dec*	--	--	--	--	--	--	16.8	--	16.8
2028	*Jan*	--	--	--	--	--	--	16.8	--	16.8
2028	*Feb*	--	--	--	--	--	--	16.8	--	16.8
2028	*Mar*	--	--	--	--	--	--	16.8	--	16.8
2028	Apr	--	--	--	--	--	--	16.8	--	16.8
2028	May	--	--	--	--	--	--	0.3	--	0.3
2028	Jun	--	--	--	--	--	--	3.1	--	3.1
2028	Jul	--	--	--	--	--	--	3.1	--	3.1

2028	Aug	--	--	--	--	--	--	3.1	--	3.1

Maximum Buildout Scenario - Unmitigated - Maximum Regional Daily PM10 Total Emissions (lbs/day)

Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential	Total Maximum Daily Emissions
2025	*Jan*	59.9	--	--	--	--	--	--	--	59.9
2025	*Feb*	6.4	--	--	--	--	--	--	--	6.4
2025	*Mar*	--	59.4	--	--	--	--	--	--	59.4
2025	Apr	--	2.1	43.1	--	--	--	--	--	45.2
2025	May	--	1.3	0.5	15.5	15.5	13.9	14.7	12.3	73.6
2025	Jun	--	--	0.5	15.5	15.5	13.9	17.7	4.7	67.7
2025	Jul	--	--	0.5	6.9	7.5	13.3	17.7	4.7	50.5
2025	Aug	--	--	0.5	6.9	7.5	13.3	17.7	4.7	50.5
2025	Sep	--	--	0.5	6.9	7.5	13.3	17.7	4.7	50.5
2025	*Oct*	--	--	0.5	6.9	7.5	13.3	17.7	4.7	50.5
2025	*Nov*	--	--	0.5	6.9	7.5	13.3	17.7	4.7	50.5
2025	*Dec*	--	--	0.5	6.9	7.5	13.3	17.7	4.7	50.5
2026	*Jan*	--	--	0.5	6.8	7.4	13.2	17.6	4.7	50.1
2026	*Feb*	--	--	0.5	6.8	7.4	13.2	17.6	4.7	50.1
2026	*Mar*	--	--	0.5	6.8	7.4	13.2	17.6	4.7	50.1
2026	Apr	--	--	--	6.8	7.4	13.2	17.6	4.7	49.6
2026	May	--	--	--	6.8	7.4	13.2	17.6	4.7	49.6
2026	Jun	--	--	--	6.8	7.4	13.2	17.6	0.8	45.7
2026	Jul	--	--	--	6.8	7.4	13.2	17.6	0.8	45.7
2026	Aug	--	--	--	6.8	7.4	13.2	17.6	--	44.9
2026	Sep	--	--	--	6.8	7.4	13.2	17.6	--	44.9
2026	*Oct*	--	--	--	6.8	7.4	13.2	17.6	--	44.9
2026	*Nov*	--	--	--	6.8	7.4	13.2	17.6	--	44.9
2026	*Dec*	--	--	--	1.1	1.1	13.2	17.6	--	32.9
2027	*Jan*	--	--	--	1.0	1.1	13.2	17.5	--	32.7
2027	*Feb*	--	--	--	--	--	13.2	17.5	--	30.7
2027	*Mar*	--	--	--	--	--	13.2	17.5	--	30.7
2027	Apr	--	--	--	--	--	13.2	17.5	--	30.7
2027	May	--	--	--	--	--	13.2	17.5	--	30.7
2027	Jun	--	--	--	--	--	2.3	17.5	--	19.8
2027	Jul	--	--	--	--	--	2.3	17.5	--	19.8
2027	Aug	--	--	--	--	--	--	17.5	--	17.5
2027	Sep	--	--	--	--	--	--	17.5	--	17.5
2027	*Oct*	--	--	--	--	--	--	17.5	--	17.5
2027	*Nov*	--	--	--	--	--	--	17.5	--	17.5
2027	*Dec*	--	--	--	--	--	--	17.5	--	17.5
2028	*Jan*	--	--	--	--	--	--	17.5	--	17.5
2028	*Feb*	--	--	--	--	--	--	17.5	--	17.5
2028	*Mar*	--	--	--	--	--	--	17.5	--	17.5
2028	Apr	--	--	--	--	--	--	17.5	--	17.5
2028	May	--	--	--	--	--	--	0.9	--	0.9
2028	Jun	--	--	--	--	--	--	3.1	--	3.1

2028	Jul	--	--	--	--	--	--	3.1	--	3.1
2028	Aug	--	--	--	--	--	--	3.1	--	3.1

Maximum Buildout Scenario - Mitigated - Maximum Regional Daily PM10 Total Emissions (lbs/day)

Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential	Total Maximum Daily Emissions
2025	*Jan*	57.4	--	--	--	--	--	--	--	57.4
2025	*Feb*	4.0	--	--	--	--	--	--	--	4.0
2025	*Mar*	--	58.2	--	--	--	--	--	--	58.2
2025	Apr	--	1.2	42.7	--	--	--	--	--	43.9
2025	May	--	1.1	0.1	13.9	13.9	12.4	13.1	10.9	65.4
2025	Jun	--	--	0.1	13.9	13.9	12.7	17.0	4.3	61.9
2025	Jul	--	--	0.1	6.2	6.8	12.7	17.0	4.3	47.1
2025	Aug	--	--	0.1	6.2	6.8	12.7	17.0	4.3	47.1
2025	Sep	--	--	0.1	6.2	6.8	12.7	17.0	4.3	47.1
2025	*Oct*	--	--	0.1	6.2	6.8	12.7	17.0	4.3	47.1
2025	*Nov*	--	--	0.1	6.2	6.8	12.7	17.0	4.3	47.1
2025	*Dec*	--	--	0.1	6.2	6.8	12.7	17.0	4.3	47.1
2026	*Jan*	--	--	0.1	6.2	6.8	12.7	17.0	4.3	47.1
2026	*Feb*	--	--	0.1	6.2	6.8	12.7	17.0	4.3	47.1
2026	*Mar*	--	--	0.3	6.2	6.8	12.7	17.0	4.3	47.3
2026	Apr	--	--	--	6.2	6.8	12.7	17.0	4.3	46.9
2026	May	--	--	--	6.2	6.8	12.7	17.0	4.3	46.9
2026	Jun	--	--	--	6.2	6.8	12.7	17.0	0.8	43.4
2026	Jul	--	--	--	6.2	6.8	12.7	17.0	0.8	43.4
2026	Aug	--	--	--	6.2	6.8	12.7	17.0	--	42.7
2026	Sep	--	--	--	6.2	6.8	12.7	17.0	--	42.7
2026	*Oct*	--	--	--	6.2	6.8	12.7	17.0	--	42.7
2026	*Nov*	--	--	--	6.2	6.8	12.7	17.0	--	42.7
2026	*Dec*	--	--	--	0.9	1.0	12.7	17.0	--	31.7
2027	*Jan*	--	--	--	0.9	1.0	12.7	17.0	--	31.7
2027	*Feb*	--	--	--	--	--	12.7	17.0	--	29.7
2027	*Mar*	--	--	--	--	--	12.7	17.0	--	29.7
2027	Apr	--	--	--	--	--	12.7	17.0	--	29.7
2027	May	--	--	--	--	--	12.7	17.0	--	29.7
2027	Jun	--	--	--	--	--	2.3	17.0	--	19.3
2027	Jul	--	--	--	--	--	2.3	17.0	--	19.3
2027	Aug	--	--	--	--	--	--	17.0	--	17.0
2027	Sep	--	--	--	--	--	--	17.0	--	17.0
2027	*Oct*	--	--	--	--	--	--	17.0	--	17.0
2027	*Nov*	--	--	--	--	--	--	17.0	--	17.0
2027	*Dec*	--	--	--	--	--	--	17.0	--	17.0
2028	*Jan*	--	--	--	--	--	--	17.0	--	17.0
2028	*Feb*	--	--	--	--	--	--	17.0	--	17.0
2028	*Mar*	--	--	--	--	--	--	17.0	--	17.0
2028	Apr	--	--	--	--	--	--	17.0	--	17.0
2028	May	--	--	--	--	--	--	0.5	--	0.5

2028	Jun	--	--	--	--	--	--	3.1	--	3.1
2028	Jul	--	--	--	--	--	--	3.1	--	3.1
2028	Aug	--	--	--	--	--	--	3.1	--	3.1

Maximum Buildout Scenario - Unmitigated - Maximum Regional Daily PM2.5 Exhaust Emissions (lbs/day)

Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential	Total Maximum Daily Emissions
2025	*Jan*	2.8	--	--	--	--	--	--	--	2.8
2025	*Feb*	2.7	--	--	--	--	--	--	--	2.7
2025	*Mar*	--	1.5	--	--	--	--	--	--	1.5
2025	Apr	--	0.9	0.5	--	--	--	--	--	1.4
2025	May	--	0.4	0.4	1.7	1.6	1.5	1.6	1.3	8.5
2025	Jun	--	--	0.4	1.7	1.6	1.5	1.6	0.5	7.3
2025	Jul	--	--	0.4	0.9	0.9	0.7	0.8	0.5	4.1
2025	Aug	--	--	0.4	0.9	0.9	0.7	0.8	0.5	4.1
2025	Sep	--	--	0.4	0.9	0.9	0.7	0.8	0.5	4.1
2025	*Oct*	--	--	0.4	0.9	0.9	0.7	0.8	0.5	4.1
2025	*Nov*	--	--	0.4	0.9	0.9	0.7	0.8	0.5	4.1
2025	*Dec*	--	--	0.4	0.9	0.9	0.7	0.8	0.5	4.1
2026	*Jan*	--	--	0.4	0.8	0.8	0.6	0.7	0.4	3.7
2026	*Feb*	--	--	0.4	0.8	0.8	0.6	0.7	0.4	3.7
2026	*Mar*	--	--	0.4	0.8	0.8	0.6	0.7	0.4	3.7
2026	Apr	--	--	--	0.8	0.8	0.6	0.7	0.4	3.3
2026	May	--	--	--	0.8	0.8	0.6	0.7	0.4	3.3
2026	Jun	--	--	--	0.8	0.8	0.6	0.7	0.4	3.3
2026	Jul	--	--	--	0.8	0.8	0.6	0.7	0.0	2.9
2026	Aug	--	--	--	0.8	0.8	0.6	0.7	--	2.9
2026	Sep	--	--	--	0.8	0.8	0.6	0.7	--	2.9
2026	*Oct*	--	--	--	0.8	0.8	0.6	0.7	--	2.9
2026	*Nov*	--	--	--	0.8	0.8	0.6	0.7	--	2.9
2026	*Dec*	--	--	--	0.7	0.7	0.6	0.7	--	2.7
2027	*Jan*	--	--	--	0.0	0.0	0.6	0.7	--	1.3
2027	*Feb*	--	--	--	--	--	0.6	0.7	--	1.3
2027	*Mar*	--	--	--	--	--	0.6	0.7	--	1.3
2027	Apr	--	--	--	--	--	0.6	0.7	--	1.3
2027	May	--	--	--	--	--	0.6	0.7	--	1.3
2027	Jun	--	--	--	--	--	0.5	0.7	--	1.2
2027	Jul	--	--	--	--	--	0.0	0.7	--	0.7
2027	Aug	--	--	--	--	--	--	0.7	--	0.7
2027	Sep	--	--	--	--	--	--	0.7	--	0.7
2027	*Oct*	--	--	--	--	--	--	0.7	--	0.7
2027	*Nov*	--	--	--	--	--	--	0.7	--	0.7
2027	*Dec*	--	--	--	--	--	--	0.7	--	0.7
2028	*Jan*	--	--	--	--	--	--	0.6	--	0.6
2028	*Feb*	--	--	--	--	--	--	0.6	--	0.6
2028	*Mar*	--	--	--	--	--	--	0.6	--	0.6
2028	Apr	--	--	--	--	--	--	0.6	--	0.6

2028	May	--	--	--	--	--	--	0.5	--	0.5
2028	Jun	--	--	--	--	--	--	0.5	--	0.5
2028	Jul	--	--	--	--	--	--	0.0	--	0.0
2028	Aug	--	--	--	--	--	--	0.0	--	0.0

Maximum Buildout Scenario - Mitigated - Maximum Regional Daily PM2.5 Exhaust Emissions (lbs/day)

Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential	Total Maximum Daily Emissions
2025	*Jan*	0.6	--	--	--	--	--	--	--	0.6
2025	*Feb*	0.6	--	--	--	--	--	--	--	0.6
2025	*Mar*	--	0.4	--	--	--	--	--	--	0.4
2025	Apr	--	0.2	0.1	--	--	--	--	--	0.3
2025	May	--	0.2	0.0	0.2	0.2	0.2	0.2	0.1	1.1
2025	Jun	--	--	0.0	0.3	0.2	0.2	0.2	0.1	1.0
2025	Jul	--	--	0.0	0.3	0.2	0.2	0.2	0.1	1.0
2025	Aug	--	--	0.0	0.3	0.2	0.2	0.2	0.1	1.0
2025	Sep	--	--	0.0	0.3	0.2	0.2	0.2	0.1	1.0
2025	*Oct*	--	--	0.0	0.3	0.2	0.2	0.2	0.1	1.0
2025	*Nov*	--	--	0.0	0.3	0.2	0.2	0.2	0.1	1.0
2025	*Dec*	--	--	0.0	0.3	0.2	0.2	0.2	0.1	1.0
2026	*Jan*	--	--	0.0	0.3	0.2	0.2	0.2	0.1	1.0
2026	*Feb*	--	--	0.0	0.3	0.2	0.2	0.2	0.1	1.0
2026	*Mar*	--	--	0.1	0.3	0.2	0.2	0.2	0.1	1.1
2026	Apr	--	--	--	0.3	0.2	0.2	0.2	0.1	0.9
2026	May	--	--	--	0.3	0.2	0.2	0.2	0.1	1.0
2026	Jun	--	--	--	0.3	0.2	0.2	0.2	0.1	1.0
2026	Jul	--	--	--	0.3	0.2	0.2	0.2	0.0	0.9
2026	Aug	--	--	--	0.3	0.2	0.2	0.2	--	0.9
2026	Sep	--	--	--	0.3	0.2	0.2	0.2	--	0.9
2026	*Oct*	--	--	--	0.3	0.2	0.2	0.2	--	0.9
2026	*Nov*	--	--	--	0.3	0.2	0.2	0.2	--	0.9
2026	*Dec*	--	--	--	0.3	0.2	0.2	0.2	--	0.8
2027	*Jan*	--	--	--	0.0	0.0	0.2	0.2	--	0.4
2027	*Feb*	--	--	--	--	--	0.2	0.2	--	0.4
2027	*Mar*	--	--	--	--	--	0.2	0.2	--	0.4
2027	Apr	--	--	--	--	--	0.2	0.2	--	0.4
2027	May	--	--	--	--	--	0.2	0.2	--	0.4
2027	Jun	--	--	--	--	--	0.2	0.2	--	0.4
2027	Jul	--	--	--	--	--	0.0	0.2	--	0.2
2027	Aug	--	--	--	--	--	--	0.2	--	0.2
2027	Sep	--	--	--	--	--	--	0.2	--	0.2
2027	*Oct*	--	--	--	--	--	--	0.2	--	0.2
2027	*Nov*	--	--	--	--	--	--	0.2	--	0.2
2027	*Dec*	--	--	--	--	--	--	0.2	--	0.2
2028	*Jan*	--	--	--	--	--	--	0.2	--	0.2
2028	*Feb*	--	--	--	--	--	--	0.2	--	0.2
2028	*Mar*	--	--	--	--	--	--	0.2	--	0.2

2028	Apr	--	--	--	--	--	--	0.2	--	0.2
2028	May	--	--	--	--	--	--	0.2	--	0.2
2028	Jun	--	--	--	--	--	--	0.2	--	0.2
2028	Jul	--	--	--	--	--	--	0.0	--	0.0
2028	Aug	--	--	--	--	--	--	0.0	--	0.0

Maximum Buildout Scenario - Unmitigated - Maximum Regional Daily PM2.5 Dust Emissions (lbs/day)

Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential	Total Maximum Daily Emissions
2025	*Jan*	7.9	--	--	--	--	--	--	--	7.9
2025	*Feb*	1.2	--	--	--	--	--	--	--	1.2
2025	*Mar*	--	6.3	--	--	--	--	--	--	6.3
2025	Apr	--	0.2	4.4	--	--	--	--	--	4.6
2025	May	--	0.2	0.0	3.5	3.5	3.4	3.5	3.2	17.4
2025	Jun	--	--	0.0	3.5	3.5	3.4	4.0	1.0	15.5
2025	Jul	--	--	0.0	1.4	1.6	3.0	4.0	1.0	11.0
2025	Aug	--	--	0.0	1.4	1.6	3.0	4.0	1.0	11.0
2025	Sep	--	--	0.0	1.4	1.6	3.0	4.0	1.0	11.0
2025	*Oct*	--	--	0.0	1.4	1.6	3.0	4.0	1.0	11.0
2025	*Nov*	--	--	0.0	1.4	1.6	3.0	4.0	1.0	11.0
2025	*Dec*	--	--	0.0	1.4	1.6	3.0	4.0	1.0	11.0
2026	*Jan*	--	--	0.0	1.4	1.6	3.0	4.0	1.0	11.0
2026	*Feb*	--	--	0.0	1.4	1.6	3.0	4.0	1.0	11.0
2026	*Mar*	--	--	0.1	1.4	1.6	3.0	4.0	1.0	11.1
2026	Apr	--	--	--	1.4	1.6	3.0	4.0	1.0	11.0
2026	May	--	--	--	1.4	1.6	3.0	4.0	1.0	11.0
2026	Jun	--	--	--	1.4	1.6	3.0	4.0	0.2	10.2
2026	Jul	--	--	--	1.4	1.6	3.0	4.0	0.2	10.2
2026	Aug	--	--	--	1.4	1.6	3.0	4.0	--	10.0
2026	Sep	--	--	--	1.4	1.6	3.0	4.0	--	10.0
2026	*Oct*	--	--	--	1.4	1.6	3.0	4.0	--	10.0
2026	*Nov*	--	--	--	1.4	1.6	3.0	4.0	--	10.0
2026	*Dec*	--	--	--	0.2	0.2	3.0	4.0	--	7.5
2027	*Jan*	--	--	--	0.2	0.2	3.0	4.0	--	7.5
2027	*Feb*	--	--	--	--	--	3.0	4.0	--	7.0
2027	*Mar*	--	--	--	--	--	3.0	4.0	--	7.0
2027	Apr	--	--	--	--	--	3.0	4.0	--	7.0
2027	May	--	--	--	--	--	3.0	4.0	--	7.0
2027	Jun	--	--	--	--	--	0.5	4.0	--	4.6
2027	Jul	--	--	--	--	--	0.5	4.0	--	4.6
2027	Aug	--	--	--	--	--	--	4.0	--	4.0
2027	Sep	--	--	--	--	--	--	4.0	--	4.0
2027	*Oct*	--	--	--	--	--	--	4.0	--	4.0
2027	*Nov*	--	--	--	--	--	--	4.0	--	4.0
2027	*Dec*	--	--	--	--	--	--	4.0	--	4.0
2028	*Jan*	--	--	--	--	--	--	4.0	--	4.0
2028	*Feb*	--	--	--	--	--	--	4.0	--	4.0

2028	*Mar*	--	--	--	--	--	--	4.0	--	4.0
2028	Apr	--	--	--	--	--	--	4.0	--	4.0
2028	May	--	--	--	--	--	--	0.1	--	0.1
2028	Jun	--	--	--	--	--	--	0.7	--	0.7
2028	Jul	--	--	--	--	--	--	0.7	--	0.7
2028	Aug	--	--	--	--	--	--	0.7	--	0.7

Maximum Buildout Scenario - Mitigated - Maximum Regional Daily PM2.5 Dust Emissions (lbs/day)

Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential	Total Maximum Daily Emissions
2025	*Jan*	7.9	--	--	--	--	--	--	--	7.9
2025	*Feb*	1.2	--	--	--	--	--	--	--	1.2
2025	*Mar*	--	6.3	--	--	--	--	--	--	6.3
2025	Apr	--	0.2	4.4	--	--	--	--	--	4.6
2025	May	--	0.2	0.0	3.5	3.5	3.4	3.5	3.2	17.4
2025	Jun	--	--	0.0	3.5	3.5	3.4	4.0	1.0	15.5
2025	Jul	--	--	0.0	1.4	1.6	3.0	4.0	1.0	11.0
2025	Aug	--	--	0.0	1.4	1.6	3.0	4.0	1.0	11.0
2025	Sep	--	--	0.0	1.4	1.6	3.0	4.0	1.0	11.0
2025	*Oct*	--	--	0.0	1.4	1.6	3.0	4.0	1.0	11.0
2025	*Nov*	--	--	0.0	1.4	1.6	3.0	4.0	1.0	11.0
2025	*Dec*	--	--	0.0	1.4	1.6	3.0	4.0	1.0	11.0
2026	*Jan*	--	--	0.0	1.4	1.6	3.0	4.0	1.0	11.0
2026	*Feb*	--	--	0.0	1.4	1.6	3.0	4.0	1.0	11.0
2026	*Mar*	--	--	0.1	1.4	1.6	3.0	4.0	1.0	11.1
2026	Apr	--	--	--	1.4	1.6	3.0	4.0	1.0	11.0
2026	May	--	--	--	1.4	1.6	3.0	4.0	1.0	11.0
2026	Jun	--	--	--	1.4	1.6	3.0	4.0	0.2	10.2
2026	Jul	--	--	--	1.4	1.6	3.0	4.0	0.2	10.2
2026	Aug	--	--	--	1.4	1.6	3.0	4.0	--	10.0
2026	Sep	--	--	--	1.4	1.6	3.0	4.0	--	10.0
2026	*Oct*	--	--	--	1.4	1.6	3.0	4.0	--	10.0
2026	*Nov*	--	--	--	1.4	1.6	3.0	4.0	--	10.0
2026	*Dec*	--	--	--	0.2	0.2	3.0	4.0	--	7.5
2027	*Jan*	--	--	--	0.2	0.2	3.0	4.0	--	7.5
2027	*Feb*	--	--	--	--	--	3.0	4.0	--	7.0
2027	*Mar*	--	--	--	--	--	3.0	4.0	--	7.0
2027	Apr	--	--	--	--	--	3.0	4.0	--	7.0
2027	May	--	--	--	--	--	3.0	4.0	--	7.0
2027	Jun	--	--	--	--	--	0.5	4.0	--	4.6
2027	Jul	--	--	--	--	--	0.5	4.0	--	4.6
2027	Aug	--	--	--	--	--	--	4.0	--	4.0
2027	Sep	--	--	--	--	--	--	4.0	--	4.0
2027	*Oct*	--	--	--	--	--	--	4.0	--	4.0
2027	*Nov*	--	--	--	--	--	--	4.0	--	4.0
2027	*Dec*	--	--	--	--	--	--	4.0	--	4.0
2028	*Jan*	--	--	--	--	--	--	4.0	--	4.0

2028	*Feb*	--	--	--	--	--	--	4.0	--	4.0
2028	*Mar*	--	--	--	--	--	--	4.0	--	4.0
2028	Apr	--	--	--	--	--	--	4.0	--	4.0
2028	May	--	--	--	--	--	--	0.1	--	0.1
2028	Jun	--	--	--	--	--	--	0.7	--	0.7
2028	Jul	--	--	--	--	--	--	0.7	--	0.7
2028	Aug	--	--	--	--	--	--	0.7	--	0.7

Maximum Buildout Scenario - Unmitigated - Maximum Regional Daily PM2.5 Total Emissions (lbs/day)

Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential	Total Maximum Daily Emissions
2025	*Jan*	10.7	--	--	--	--	--	--	--	10.7
2025	*Feb*	3.9	--	--	--	--	--	--	--	3.9
2025	*Mar*	--	7.8	--	--	--	--	--	--	7.8
2025	Apr	--	1.1	4.9	--	--	--	--	--	6.0
2025	May	--	0.7	0.4	5.2	5.2	4.9	5.0	4.6	25.9
2025	Jun	--	--	0.4	5.2	5.2	4.9	5.0	1.5	22.2
2025	Jul	--	--	0.4	2.3	2.4	3.7	4.8	1.5	15.2
2025	Aug	--	--	0.4	2.3	2.4	3.7	4.8	1.5	15.2
2025	Sep	--	--	0.4	2.3	2.4	3.7	4.8	1.5	15.2
2025	*Oct*	--	--	0.4	2.3	2.4	3.7	4.8	1.5	15.2
2025	*Nov*	--	--	0.4	2.3	2.4	3.7	4.8	1.5	15.2
2025	*Dec*	--	--	0.4	2.3	2.4	3.7	4.8	1.5	15.2
2026	*Jan*	--	--	0.4	2.2	2.4	3.6	4.7	1.4	14.8
2026	*Feb*	--	--	0.4	2.2	2.4	3.6	4.7	1.4	14.8
2026	*Mar*	--	--	0.4	2.2	2.4	3.6	4.7	1.4	14.8
2026	Apr	--	--	--	2.2	2.4	3.6	4.7	1.4	14.4
2026	May	--	--	--	2.2	2.4	3.6	4.7	1.4	14.4
2026	Jun	--	--	--	2.2	2.4	3.6	4.7	0.4	13.4
2026	Jul	--	--	--	2.2	2.4	3.6	4.7	0.2	13.1
2026	Aug	--	--	--	2.2	2.4	3.6	4.7	--	12.9
2026	Sep	--	--	--	2.2	2.4	3.6	4.7	--	12.9
2026	*Oct*	--	--	--	2.2	2.4	3.6	4.7	--	12.9
2026	*Nov*	--	--	--	2.2	2.4	3.6	4.7	--	12.9
2026	*Dec*	--	--	--	0.7	0.7	3.6	4.7	--	9.8
2027	*Jan*	--	--	--	0.2	0.3	3.6	4.7	--	8.8
2027	*Feb*	--	--	--	--	--	3.6	4.7	--	8.3
2027	*Mar*	--	--	--	--	--	3.6	4.7	--	8.3
2027	Apr	--	--	--	--	--	3.6	4.7	--	8.3
2027	May	--	--	--	--	--	3.6	4.7	--	8.3
2027	Jun	--	--	--	--	--	0.6	4.7	--	5.3
2027	Jul	--	--	--	--	--	0.6	4.7	--	5.2
2027	Aug	--	--	--	--	--	--	4.7	--	4.7
2027	Sep	--	--	--	--	--	--	4.7	--	4.7
2027	*Oct*	--	--	--	--	--	--	4.7	--	4.7
2027	*Nov*	--	--	--	--	--	--	4.7	--	4.7
2027	*Dec*	--	--	--	--	--	--	4.7	--	4.7

2028	*Jan*	--	--	--	--	--	--	4.6	--	4.6
2028	*Feb*	--	--	--	--	--	--	4.6	--	4.6
2028	*Mar*	--	--	--	--	--	--	4.6	--	4.6
2028	Apr	--	--	--	--	--	--	4.6	--	4.6
2028	May	--	--	--	--	--	--	0.6	--	0.6
2028	Jun	--	--	--	--	--	--	0.7	--	0.7
2028	Jul	--	--	--	--	--	--	0.7	--	0.7
2028	Aug	--	--	--	--	--	--	0.7	--	0.7

Maximum Buildout Scenario - Mitigated - Maximum Regional Daily PM2.5 Total Emissions (lbs/day)

Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential	Total Maximum Daily Emissions
2025	*Jan*	8.4	--	--	--	--	--	--	--	8.4
2025	*Feb*	1.8	--	--	--	--	--	--	--	1.8
2025	*Mar*	--	6.7	--	--	--	--	--	--	6.7
2025	Apr	--	0.4	4.5	--	--	--	--	--	4.9
2025	May	--	0.4	0.1	3.8	3.8	3.6	3.7	3.4	18.5
2025	Jun	--	--	0.1	3.8	3.8	3.6	4.2	1.1	16.4
2025	Jul	--	--	0.1	1.7	1.8	3.2	4.2	1.1	12.0
2025	Aug	--	--	0.1	1.7	1.8	3.2	4.2	1.1	12.0
2025	Sep	--	--	0.1	1.7	1.8	3.2	4.2	1.1	12.0
2025	*Oct*	--	--	0.1	1.7	1.8	3.2	4.2	1.1	12.0
2025	*Nov*	--	--	0.1	1.7	1.8	3.2	4.2	1.1	12.0
2025	*Dec*	--	--	0.1	1.7	1.8	3.2	4.2	1.1	12.0
2026	*Jan*	--	--	0.1	1.7	1.8	3.2	4.2	1.1	12.0
2026	*Feb*	--	--	0.1	1.7	1.8	3.2	4.2	1.1	12.0
2026	*Mar*	--	--	0.2	1.7	1.8	3.2	4.2	1.1	12.1
2026	Apr	--	--	--	1.7	1.8	3.2	4.2	1.1	12.0
2026	May	--	--	--	1.7	1.8	3.2	4.2	1.1	12.0
2026	Jun	--	--	--	1.7	1.8	3.2	4.2	0.2	11.1
2026	Jul	--	--	--	1.7	1.8	3.2	4.2	0.2	11.1
2026	Aug	--	--	--	1.7	1.8	3.2	4.2	--	10.9
2026	Sep	--	--	--	1.7	1.8	3.2	4.2	--	10.9
2026	*Oct*	--	--	--	1.7	1.8	3.2	4.2	--	10.9
2026	*Nov*	--	--	--	1.7	1.8	3.2	4.2	--	10.9
2026	*Dec*	--	--	--	0.3	0.3	3.2	4.2	--	8.0
2027	*Jan*	--	--	--	0.2	0.2	3.2	4.2	--	7.8
2027	*Feb*	--	--	--	--	--	3.2	4.2	--	7.4
2027	*Mar*	--	--	--	--	--	3.2	4.2	--	7.4
2027	Apr	--	--	--	--	--	3.2	4.2	--	7.4
2027	May	--	--	--	--	--	3.2	4.2	--	7.4
2027	Jun	--	--	--	--	--	0.5	4.2	--	4.8
2027	Jul	--	--	--	--	--	0.5	4.2	--	4.8
2027	Aug	--	--	--	--	--	--	4.2	--	4.2
2027	Sep	--	--	--	--	--	--	4.2	--	4.2
2027	*Oct*	--	--	--	--	--	--	4.2	--	4.2
2027	*Nov*	--	--	--	--	--	--	4.2	--	4.2

2027	*Dec*	--	--	--	--	--	--	4.2	--	4.2
2028	*Jan*	--	--	--	--	--	--	4.2	--	4.2
2028	*Feb*	--	--	--	--	--	--	4.2	--	4.2
2028	*Mar*	--	--	--	--	--	--	4.2	--	4.2
2028	Apr	--	--	--	--	--	--	4.2	--	4.2
2028	May	--	--	--	--	--	--	0.3	--	0.3
2028	Jun	--	--	--	--	--	--	0.7	--	0.7
2028	Jul	--	--	--	--	--	--	0.7	--	0.7
2028	Aug	--	--	--	--	--	--	0.7	--	0.7

Maximum Buildout Scenario - Unmitigated - LST ROG Emissions (lbs/day)										
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential	Total Maximum Daily Emissions
2025	*Jan*	11.0	--	--	--	--	--	--	--	11.0
2025	*Feb*	11.0	--	--	--	--	--	--	--	11.0
2025	*Mar*	--	3.8	--	--	--	--	--	--	3.8
2025	Apr	--	3.0	1.3	--	--	--	--	--	4.2
2025	May	--	1.3	1.3	5.3	5.2	4.6	4.9	3.7	26.4
2025	Jun	--	--	1.3	5.3	5.2	4.6	4.9	1.5	22.8
2025	Jul	--	--	1.3	3.1	3.0	2.4	2.7	1.5	14.1
2025	Aug	--	--	1.3	3.1	3.0	2.4	2.7	1.5	14.1
2025	Sep	--	--	1.3	3.1	3.0	2.4	2.7	1.5	14.1
2025	*Oct*	--	--	1.3	3.1	3.0	2.4	2.7	1.5	14.1
2025	*Nov*	--	--	1.3	3.1	3.0	2.4	2.7	1.5	14.1
2025	*Dec*	--	--	1.3	3.1	3.0	2.4	2.7	1.5	14.1
2026	*Jan*	--	--	1.3	3.0	3.0	2.3	2.6	1.5	13.7
2026	*Feb*	--	--	1.3	3.0	3.0	2.3	2.6	1.5	13.7
2026	*Mar*	--	--	33.0	3.0	3.0	2.3	2.6	1.5	45.4
2026	Apr	--	--	--	3.0	3.0	2.3	2.6	1.5	12.4
2026	May	--	--	--	3.0	3.0	2.3	2.6	2.1	13.1
2026	Jun	--	--	--	3.0	3.0	2.3	2.6	126.1	137.1
2026	Jul	--	--	--	3.0	3.0	2.3	2.6	126.1	137.1
2026	Aug	--	--	--	3.0	3.0	2.3	2.6	--	11.0
2026	Sep	--	--	--	3.0	3.0	2.3	2.6	--	11.0
2026	*Oct*	--	--	--	3.0	3.0	2.3	2.6	--	11.0
2026	*Nov*	--	--	--	5.1	4.7	2.3	2.6	--	14.8
2026	*Dec*	--	--	--	277.1	302.1	2.3	2.6	--	584.2
2027	*Jan*	--	--	--	277.1	302.1	2.3	2.6	--	584.1
2027	*Feb*	--	--	--	--	--	2.3	2.6	--	4.9
2027	*Mar*	--	--	--	--	--	2.3	2.6	--	4.9
2027	Apr	--	--	--	--	--	2.3	2.6	--	4.9
2027	May	--	--	--	--	--	2.3	2.6	--	4.9
2027	Jun	--	--	--	--	--	253.1	2.6	--	255.7
2027	Jul	--	--	--	--	--	253.1	2.6	--	255.7
2027	Aug	--	--	--	--	--	--	2.6	--	2.6
2027	Sep	--	--	--	--	--	--	2.6	--	2.6
2027	*Oct*	--	--	--	--	--	--	2.6	--	2.6
2027	*Nov*	--	--	--	--	--	--	2.6	--	2.6
2027	*Dec*	--	--	--	--	--	--	2.6	--	2.6
2028	*Jan*	--	--	--	--	--	--	2.5	--	2.5
2028	*Feb*	--	--	--	--	--	--	2.5	--	2.5
2028	*Mar*	--	--	--	--	--	--	2.5	--	2.5
2028	Apr	--	--	--	--	--	--	4.0	--	4.0
2028	May	--	--	--	--	--	--	4.0	--	4.0
2028	Jun	--	--	--	--	--	--	186.1	--	186.1
2028	Jul	--	--	--	--	--	--	186.1	--	186.1
2028	Aug	--	--	--	--	--	--	186.1	--	186.1

Maximum Buildout Scenario - Mitigated - LST ROG Emissions (lbs/day)										
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential	Total Maximum Daily Emissions
2025	*Jan*	2.9	--	--	--	--	--	--	--	2.9
2025	*Feb*	2.9	--	--	--	--	--	--	--	2.9
2025	*Mar*	--	1.1	--	--	--	--	--	--	1.1
2025	Apr	--	4.1	0.3	--	--	--	--	--	4.4
2025	May	--	0.7	0.2	1.1	1.0	0.9	0.9	0.6	5.3
2025	Jun	--	--	0.2	1.1	1.0	0.9	0.9	0.3	4.4
2025	Jul	--	--	0.2	1.0	0.7	0.6	0.6	0.3	3.5
2025	Aug	--	--	0.2	1.0	0.7	0.6	0.6	0.3	3.5
2025	Sep	--	--	0.2	1.0	0.7	0.6	0.6	0.3	3.5
2025	*Oct*	--	--	0.2	1.0	0.7	0.6	0.6	0.3	3.5
2025	*Nov*	--	--	0.2	1.0	0.7	0.6	0.6	0.3	3.5
2025	*Dec*	--	--	0.2	1.0	0.7	0.6	0.6	0.3	3.5
2026	*Jan*	--	--	0.2	1.0	0.7	0.6	0.6	0.3	3.5
2026	*Feb*	--	--	0.2	1.0	0.7	0.6	0.6	0.3	3.5
2026	*Mar*	--	--	3.3	1.0	0.7	0.6	0.6	0.3	6.6
2026	Apr	--	--	--	1.0	0.7	0.6	0.6	0.3	3.3
2026	May	--	--	--	1.0	0.7	0.6	0.6	1.5	4.4
2026	Jun	--	--	--	1.0	0.7	0.6	0.6	28.8	31.8
2026	Jul	--	--	--	1.0	0.7	0.6	0.6	28.8	31.8
2026	Aug	--	--	--	1.0	0.7	0.6	0.6	--	3.0
2026	Sep	--	--	--	1.0	0.7	0.6	0.6	--	3.0
2026	*Oct*	--	--	--	1.0	0.7	0.6	0.6	--	3.0
2026	*Nov*	--	--	--	3.6	3.0	0.6	0.6	--	7.8
2026	*Dec*	--	--	--	37.7	38.9	0.6	0.6	--	77.8
2027	*Jan*	--	--	--	37.7	38.9	0.6	0.6	--	77.8
2027	*Feb*	--	--	--	--	--	0.6	0.6	--	1.2
2027	*Mar*	--	--	--	--	--	0.6	0.6	--	1.2
2027	Apr	--	--	--	--	--	0.6	0.6	--	1.2
2027	May	--	--	--	--	--	0.6	0.6	--	1.2
2027	Jun	--	--	--	--	--	58.3	0.6	--	58.9
2027	Jul	--	--	--	--	--	58.3	0.6	--	58.9
2027	Aug	--	--	--	--	--	--	0.6	--	0.6
2027	Sep	--	--	--	--	--	--	0.6	--	0.6
2027	*Oct*	--	--	--	--	--	--	0.6	--	0.6
2027	*Nov*	--	--	--	--	--	--	0.6	--	0.6
2027	*Dec*	--	--	--	--	--	--	0.6	--	0.6
2028	*Jan*	--	--	--	--	--	--	0.6	--	0.6
2028	*Feb*	--	--	--	--	--	--	0.6	--	0.6
2028	*Mar*	--	--	--	--	--	--	0.6	--	0.6
2028	Apr	--	--	--	--	--	--	2.6	--	2.6
2028	May	--	--	--	--	--	--	2.6	--	2.6
2028	Jun	--	--	--	--	--	--	43.2	--	43.2
2028	Jul	--	--	--	--	--	--	43.2	--	43.2
2028	Aug	--	--	--	--	--	--	43.2	--	43.2

Maximum Buildout Scenario - Unmitigated - LST NOx Emissions (lbs/day)										
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential	Total Maximum Daily Emissions
2025	*Jan*	78.6	--	--	--	--	--	--	--	78.6
2025	*Feb*	77.4	--	--	--	--	--	--	--	77.4
2025	*Mar*	--	31.2	--	--	--	--	--	--	31.2
2025	Apr	--	25.6	11.5	--	--	--	--	--	37.1
2025	May	--	10.4	11.2	43.8	43.3	39.5	41.2	34.1	223.5
2025	Jun	--	--	11.2	43.8	43.3	39.5	41.2	12.9	191.9
2025	Jul	--	--	11.2	22.6	22.1	18.3	20.0	12.9	107.1
2025	Aug	--	--	11.2	22.6	22.1	18.3	20.0	12.9	107.1
2025	Sep	--	--	11.2	22.6	22.1	18.3	20.0	12.9	107.1
2025	*Oct*	--	--	11.2	22.6	22.1	18.3	20.0	12.9	107.1
2025	*Nov*	--	--	11.2	22.6	22.1	18.3	20.0	12.9	107.1
2025	*Dec*	--	--	11.2	22.6	22.1	18.3	20.0	12.9	107.1
2026	*Jan*	--	--	10.7	21.1	20.7	17.2	18.7	12.1	100.5
2026	*Feb*	--	--	10.7	21.1	20.7	17.2	18.7	12.1	100.5
2026	*Mar*	--	--	10.7	21.1	20.7	17.2	18.7	12.1	100.5
2026	Apr	--	--	--	21.1	20.7	17.2	18.7	12.1	89.8
2026	May	--	--	--	21.1	20.7	17.2	18.7	12.1	89.8
2026	Jun	--	--	--	21.1	20.7	17.2	18.7	9.4	87.1
2026	Jul	--	--	--	21.1	20.7	17.2	18.7	0.9	78.6
2026	Aug	--	--	--	21.1	20.7	17.2	18.7	--	77.7
2026	Sep	--	--	--	21.1	20.7	17.2	18.7	--	77.7
2026	*Oct*	--	--	--	21.1	20.7	17.2	18.7	--	77.7
2026	*Nov*	--	--	--	21.1	20.7	17.2	18.7	--	77.7
2026	*Dec*	--	--	--	18.4	18.0	17.2	18.7	--	72.3
2027	*Jan*	--	--	--	0.8	0.8	16.4	17.9	--	36.0
2027	*Feb*	--	--	--	--	--	16.4	17.9	--	34.3
2027	*Mar*	--	--	--	--	--	16.4	17.9	--	34.3
2027	Apr	--	--	--	--	--	16.4	17.9	--	34.3
2027	May	--	--	--	--	--	16.4	17.9	--	34.3
2027	Jun	--	--	--	--	--	13.9	17.9	--	31.8
2027	Jul	--	--	--	--	--	0.8	17.9	--	18.7
2027	Aug	--	--	--	--	--	--	17.9	--	17.9
2027	Sep	--	--	--	--	--	--	17.9	--	17.9
2027	*Oct*	--	--	--	--	--	--	17.9	--	17.9
2027	*Nov*	--	--	--	--	--	--	17.9	--	17.9
2027	*Dec*	--	--	--	--	--	--	17.9	--	17.9
2028	*Jan*	--	--	--	--	--	--	16.7	--	16.7
2028	*Feb*	--	--	--	--	--	--	16.7	--	16.7
2028	*Mar*	--	--	--	--	--	--	16.7	--	16.7
2028	Apr	--	--	--	--	--	--	16.7	--	16.7
2028	May	--	--	--	--	--	--	14.4	--	14.4
2028	Jun	--	--	--	--	--	--	14.4	--	14.4
2028	Jul	--	--	--	--	--	--	0.8	--	0.8
2028	Aug	--	--	--	--	--	--	0.8	--	0.8

Maximum Buildout Scenario - Mitigated - LST NOx Emissions (lbs/day)										
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential	Total Maximum Daily Emissions
2025	*Jan*	14.9	--	--	--	--	--	--	--	14.9
2025	*Feb*	14.9	--	--	--	--	--	--	--	14.9
2025	*Mar*	--	6.1	--	--	--	--	--	--	6.1
2025	Apr	--	4.1	1.5	--	--	--	--	--	5.6
2025	May	--	3.9	0.9	5.5	5.4	4.5	4.9	3.2	28.2
2025	Jun	--	--	0.9	5.8	5.4	4.5	4.9	1.6	23.0
2025	Jul	--	--	0.9	5.8	3.8	2.9	3.3	1.6	18.3
2025	Aug	--	--	0.9	5.8	3.8	2.9	3.3	1.6	18.3
2025	Sep	--	--	0.9	5.8	3.8	2.9	3.3	1.6	18.3
2025	*Oct*	--	--	0.9	5.8	3.8	2.9	3.3	1.6	18.3
2025	*Nov*	--	--	0.9	5.8	3.8	2.9	3.3	1.6	18.3
2025	*Dec*	--	--	0.9	5.8	3.8	2.9	3.3	1.6	18.3
2026	*Jan*	--	--	0.9	5.6	3.8	2.9	3.3	1.6	18.1
2026	*Feb*	--	--	0.9	5.6	3.8	2.9	3.3	1.6	18.1
2026	*Mar*	--	--	2.8	5.6	3.8	2.9	3.3	1.6	20.0
2026	Apr	--	--	--	5.6	3.8	2.9	3.3	1.6	17.2
2026	May	--	--	--	5.6	3.8	2.9	3.3	2.9	18.6
2026	Jun	--	--	--	5.6	3.8	2.9	3.3	2.9	18.6
2026	Jul	--	--	--	5.6	3.8	2.9	3.3	0.0	15.6
2026	Aug	--	--	--	5.6	3.8	2.9	3.3	--	15.6
2026	Sep	--	--	--	5.6	3.8	2.9	3.3	--	15.6
2026	*Oct*	--	--	--	5.6	3.8	2.9	3.3	--	15.6
2026	*Nov*	--	--	--	6.9	5.2	2.9	3.3	--	18.3
2026	*Dec*	--	--	--	6.9	5.2	2.9	3.3	--	18.3
2027	*Jan*	--	--	--	0.0	0.0	2.9	3.3	--	6.2
2027	*Feb*	--	--	--	--	--	2.9	3.3	--	6.2
2027	*Mar*	--	--	--	--	--	2.9	3.3	--	6.2
2027	Apr	--	--	--	--	--	2.9	3.3	--	6.2
2027	May	--	--	--	--	--	2.9	3.3	--	6.2
2027	Jun	--	--	--	--	--	4.2	3.3	--	7.5
2027	Jul	--	--	--	--	--	0.0	3.3	--	3.3
2027	Aug	--	--	--	--	--	--	3.3	--	3.3
2027	Sep	--	--	--	--	--	--	3.3	--	3.3
2027	*Oct*	--	--	--	--	--	--	3.3	--	3.3
2027	*Nov*	--	--	--	--	--	--	3.3	--	3.3
2027	*Dec*	--	--	--	--	--	--	3.3	--	3.3
2028	*Jan*	--	--	--	--	--	--	3.3	--	3.3
2028	*Feb*	--	--	--	--	--	--	3.3	--	3.3
2028	*Mar*	--	--	--	--	--	--	3.3	--	3.3
2028	Apr	--	--	--	--	--	--	4.6	--	4.6
2028	May	--	--	--	--	--	--	4.6	--	4.6
2028	Jun	--	--	--	--	--	--	4.6	--	4.6
2028	Jul	--	--	--	--	--	--	0.0	--	0.0
2028	Aug	--	--	--	--	--	--	0.0	--	0.0

Maximum Buildout Scenario - Unmitigated - LST CO Emissions (lbs/day)										
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential	Total Maximum Daily Emissions
2025	*Jan*	83.5	--	--	--	--	--	--	--	83.5
2025	*Feb*	83.5	--	--	--	--	--	--	--	83.5
2025	*Mar*	--	39.0	--	--	--	--	--	--	39.0
2025	Apr	--	26.5	11.6	--	--	--	--	--	38.1
2025	May	--	13.7	12.5	43.3	42.8	38.7	40.5	32.8	224.3
2025	Jun	--	--	12.5	43.3	42.8	38.7	40.5	15.7	193.5
2025	Jul	--	--	12.5	26.1	25.7	21.5	23.4	15.7	124.9
2025	Aug	--	--	12.5	26.1	25.7	21.5	23.4	15.7	124.9
2025	Sep	--	--	12.5	26.1	25.7	21.5	23.4	15.7	124.9
2025	*Oct*	--	--	12.5	26.1	25.7	21.5	23.4	15.7	124.9
2025	*Nov*	--	--	12.5	26.1	25.7	21.5	23.4	15.7	124.9
2025	*Dec*	--	--	12.5	26.1	25.7	21.5	23.4	15.7	124.9
2026	*Jan*	--	--	12.4	26.1	25.6	21.5	23.3	15.6	124.5
2026	*Feb*	--	--	12.4	26.1	25.6	21.5	23.3	15.6	124.5
2026	*Mar*	--	--	12.4	26.1	25.6	21.5	23.3	15.6	124.5
2026	Apr	--	--	--	26.1	25.6	21.5	23.3	15.6	112.1
2026	May	--	--	--	26.1	25.6	21.5	23.3	15.6	112.1
2026	Jun	--	--	--	26.1	25.6	21.5	23.3	12.6	109.1
2026	Jul	--	--	--	26.1	25.6	21.5	23.3	1.1	97.6
2026	Aug	--	--	--	26.1	25.6	21.5	23.3	--	96.5
2026	Sep	--	--	--	26.1	25.6	21.5	23.3	--	96.5
2026	*Oct*	--	--	--	26.1	25.6	21.5	23.3	--	96.5
2026	*Nov*	--	--	--	26.1	25.6	21.5	23.3	--	96.5
2026	*Dec*	--	--	--	23.1	22.6	21.5	23.3	--	90.5
2027	*Jan*	--	--	--	1.1	1.1	21.4	23.3	--	47.0
2027	*Feb*	--	--	--	--	--	21.4	23.3	--	44.7
2027	*Mar*	--	--	--	--	--	21.4	23.3	--	44.7
2027	Apr	--	--	--	--	--	21.4	23.3	--	44.7
2027	May	--	--	--	--	--	21.4	23.3	--	44.7
2027	Jun	--	--	--	--	--	18.5	23.3	--	41.8
2027	Jul	--	--	--	--	--	1.1	23.3	--	24.4
2027	Aug	--	--	--	--	--	--	23.3	--	23.3
2027	Sep	--	--	--	--	--	--	23.3	--	23.3
2027	*Oct*	--	--	--	--	--	--	23.3	--	23.3
2027	*Nov*	--	--	--	--	--	--	23.3	--	23.3
2027	*Dec*	--	--	--	--	--	--	23.3	--	23.3
2028	*Jan*	--	--	--	--	--	--	23.2	--	23.2
2028	*Feb*	--	--	--	--	--	--	23.2	--	23.2
2028	*Mar*	--	--	--	--	--	--	23.2	--	23.2
2028	Apr	--	--	--	--	--	--	23.2	--	23.2
2028	May	--	--	--	--	--	--	20.2	--	20.2
2028	Jun	--	--	--	--	--	--	20.2	--	20.2
2028	Jul	--	--	--	--	--	--	1.1	--	1.1
2028	Aug	--	--	--	--	--	--	1.1	--	1.1

Maximum Buildout Scenario - Mitigated - LST CO Emissions (lbs/day)										
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential	Total Maximum Daily Emissions
2025	*Jan*	154.0	--	--	--	--	--	--	--	154.0
2025	*Feb*	154.0	--	--	--	--	--	--	--	154.0
2025	*Mar*	--	52.8	--	--	--	--	--	--	52.8
2025	Apr	--	36.2	16.5	--	--	--	--	--	52.7
2025	May	--	17.8	9.8	57.3	56.3	47.1	51.1	34.2	273.6
2025	Jun	--	--	9.8	57.3	56.3	47.1	51.1	18.7	240.3
2025	Jul	--	--	9.8	38.6	40.8	31.6	35.6	18.7	175.1
2025	Aug	--	--	9.8	38.6	40.8	31.6	35.6	18.7	175.1
2025	Sep	--	--	9.8	38.6	40.8	31.6	35.6	18.7	175.1
2025	*Oct*	--	--	9.8	38.6	40.8	31.6	35.6	18.7	175.1
2025	*Nov*	--	--	9.8	38.6	40.8	31.6	35.6	18.7	175.1
2025	*Dec*	--	--	9.8	38.6	40.8	31.6	35.6	18.7	175.1
2026	*Jan*	--	--	9.8	38.6	40.8	31.6	35.6	18.7	175.1
2026	*Feb*	--	--	9.8	38.6	40.8	31.6	35.6	18.7	175.1
2026	*Mar*	--	--	10.1	38.6	40.8	31.6	35.6	18.7	175.4
2026	Apr	--	--	--	38.6	40.8	31.6	35.6	18.7	165.3
2026	May	--	--	--	38.6	40.8	31.6	35.6	18.7	165.3
2026	Jun	--	--	--	38.6	40.8	31.6	35.6	16.5	163.1
2026	Jul	--	--	--	38.6	40.8	31.6	35.6	0.0	146.6
2026	Aug	--	--	--	38.6	40.8	31.6	35.6	--	146.6
2026	Sep	--	--	--	38.6	40.8	31.6	35.6	--	146.6
2026	*Oct*	--	--	--	38.6	40.8	31.6	35.6	--	146.6
2026	*Nov*	--	--	--	38.6	40.8	31.6	35.6	--	146.6
2026	*Dec*	--	--	--	36.4	38.6	31.6	35.6	--	142.2
2027	*Jan*	--	--	--	0.0	0.0	31.6	35.6	--	67.2
2027	*Feb*	--	--	--	--	--	31.6	35.6	--	67.2
2027	*Mar*	--	--	--	--	--	31.6	35.6	--	67.2
2027	Apr	--	--	--	--	--	31.6	35.6	--	67.2
2027	May	--	--	--	--	--	31.6	35.6	--	67.2
2027	Jun	--	--	--	--	--	29.4	35.6	--	65.0
2027	Jul	--	--	--	--	--	0.0	35.6	--	35.6
2027	Aug	--	--	--	--	--	--	35.6	--	35.6
2027	Sep	--	--	--	--	--	--	35.6	--	35.6
2027	*Oct*	--	--	--	--	--	--	35.6	--	35.6
2027	*Nov*	--	--	--	--	--	--	35.6	--	35.6
2027	*Dec*	--	--	--	--	--	--	35.6	--	35.6
2028	*Jan*	--	--	--	--	--	--	35.6	--	35.6
2028	*Feb*	--	--	--	--	--	--	35.6	--	35.6
2028	*Mar*	--	--	--	--	--	--	35.6	--	35.6
2028	Apr	--	--	--	--	--	--	35.6	--	35.6
2028	May	--	--	--	--	--	--	33.4	--	33.4
2028	Jun	--	--	--	--	--	--	33.4	--	33.4
2028	Jul	--	--	--	--	--	--	0.0	--	0.0
2028	Aug	--	--	--	--	--	--	0.0	--	0.0

Maximum Buildout Scenario - Unmitigated - LST SO2 Emissions (lbs/day)										
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential	Total Maximum Daily Emissions
2025	*Jan*	0.3	--	--	--	--	--	--	--	0.3
2025	*Feb*	0.3	--	--	--	--	--	--	--	0.3
2025	*Mar*	--	0.1	--	--	--	--	--	--	0.1
2025	Apr	--	0.1	0.0	--	--	--	--	--	0.1
2025	May	--	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.5
2025	Jun	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.4
2025	Jul	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.4
2025	Aug	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.4
2025	Sep	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.4
2025	*Oct*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.4
2025	*Nov*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.4
2025	*Dec*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.4
2026	*Jan*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.4
2026	*Feb*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.4
2026	*Mar*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.4
2026	Apr	--	--	--	0.1	0.1	0.1	0.1	0.0	0.3
2026	May	--	--	--	0.1	0.1	0.1	0.1	0.0	0.3
2026	Jun	--	--	--	0.1	0.1	0.1	0.1	0.0	0.3
2026	Jul	--	--	--	0.1	0.1	0.1	0.1	0.0	0.3
2026	Aug	--	--	--	0.1	0.1	0.1	0.1	--	0.3
2026	Sep	--	--	--	0.1	0.1	0.1	0.1	--	0.3
2026	*Oct*	--	--	--	0.1	0.1	0.1	0.1	--	0.3
2026	*Nov*	--	--	--	0.1	0.1	0.1	0.1	--	0.3
2026	*Dec*	--	--	--	0.1	0.1	0.1	0.1	--	0.3
2027	*Jan*	--	--	--	0.0	0.0	0.1	0.1	--	0.1
2027	*Feb*	--	--	--	--	--	0.1	0.1	--	0.1
2027	*Mar*	--	--	--	--	--	0.1	0.1	--	0.1
2027	Apr	--	--	--	--	--	0.1	0.1	--	0.1
2027	May	--	--	--	--	--	0.1	0.1	--	0.1
2027	Jun	--	--	--	--	--	0.1	0.1	--	0.1
2027	Jul	--	--	--	--	--	0.0	0.1	--	0.1
2027	Aug	--	--	--	--	--	--	0.1	--	0.1
2027	Sep	--	--	--	--	--	--	0.1	--	0.1
2027	*Oct*	--	--	--	--	--	--	0.1	--	0.1
2027	*Nov*	--	--	--	--	--	--	0.1	--	0.1
2027	*Dec*	--	--	--	--	--	--	0.1	--	0.1
2028	*Jan*	--	--	--	--	--	--	0.1	--	0.1
2028	*Feb*	--	--	--	--	--	--	0.1	--	0.1
2028	*Mar*	--	--	--	--	--	--	0.1	--	0.1
2028	Apr	--	--	--	--	--	--	0.1	--	0.1
2028	May	--	--	--	--	--	--	0.1	--	0.1
2028	Jun	--	--	--	--	--	--	0.1	--	0.1
2028	Jul	--	--	--	--	--	--	0.0	--	0.0
2028	Aug	--	--	--	--	--	--	0.0	--	0.0

Maximum Buildout Scenario - Mitigated - LST SO2 Emissions (lbs/day)										
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential	Total Maximum Daily Emissions
2025	*Jan*	0.3	--	--	--	--	--	--	--	0.3
2025	*Feb*	0.3	--	--	--	--	--	--	--	0.3
2025	*Mar*	--	0.1	--	--	--	--	--	--	0.1
2025	Apr	--	0.1	0.0	--	--	--	--	--	0.1
2025	May	--	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.5
2025	Jun	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.4
2025	Jul	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.3
2025	Aug	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.3
2025	Sep	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.3
2025	*Oct*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.3
2025	*Nov*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.3
2025	*Dec*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.3
2026	*Jan*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.3
2026	*Feb*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.3
2026	*Mar*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.3
2026	Apr	--	--	--	0.1	0.1	0.1	0.1	0.0	0.3
2026	May	--	--	--	0.1	0.1	0.1	0.1	0.0	0.3
2026	Jun	--	--	--	0.1	0.1	0.1	0.1	0.0	0.3
2026	Jul	--	--	--	0.1	0.1	0.1	0.1	0.0	0.3
2026	Aug	--	--	--	0.1	0.1	0.1	0.1	--	0.3
2026	Sep	--	--	--	0.1	0.1	0.1	0.1	--	0.3
2026	*Oct*	--	--	--	0.1	0.1	0.1	0.1	--	0.3
2026	*Nov*	--	--	--	0.1	0.1	0.1	0.1	--	0.3
2026	*Dec*	--	--	--	0.1	0.1	0.1	0.1	--	0.3
2027	*Jan*	--	--	--	0.0	0.0	0.1	0.1	--	0.1
2027	*Feb*	--	--	--	--	--	0.1	0.1	--	0.1
2027	*Mar*	--	--	--	--	--	0.1	0.1	--	0.1
2027	Apr	--	--	--	--	--	0.1	0.1	--	0.1
2027	May	--	--	--	--	--	0.1	0.1	--	0.1
2027	Jun	--	--	--	--	--	0.1	0.1	--	0.1
2027	Jul	--	--	--	--	--	0.0	0.1	--	0.1
2027	Aug	--	--	--	--	--	--	0.1	--	0.1
2027	Sep	--	--	--	--	--	--	0.1	--	0.1
2027	*Oct*	--	--	--	--	--	--	0.1	--	0.1
2027	*Nov*	--	--	--	--	--	--	0.1	--	0.1
2027	*Dec*	--	--	--	--	--	--	0.1	--	0.1
2028	*Jan*	--	--	--	--	--	--	0.1	--	0.1
2028	*Feb*	--	--	--	--	--	--	0.1	--	0.1
2028	*Mar*	--	--	--	--	--	--	0.1	--	0.1
2028	Apr	--	--	--	--	--	--	0.1	--	0.1
2028	May	--	--	--	--	--	--	0.1	--	0.1
2028	Jun	--	--	--	--	--	--	0.1	--	0.1
2028	Jul	--	--	--	--	--	--	0.0	--	0.0
2028	Aug	--	--	--	--	--	--	0.0	--	0.0

Maximum Buildout Scenario - Unmitigated - LST PM10 Exhaust Emissions (lbs/day)										
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential	Total Maximum Daily Emissions
2025	*Jan*	3.0	--	--	--	--	--	--	--	3.0
2025	*Feb*	3.0	--	--	--	--	--	--	--	3.0
2025	*Mar*	--	1.4	--	--	--	--	--	--	1.4
2025	Apr	--	1.0	0.5	--	--	--	--	--	1.5
2025	May	--	0.4	0.4	1.8	1.8	1.6	1.7	1.5	9.2
2025	Jun	--	--	0.4	1.8	1.8	1.6	1.7	0.5	7.9
2025	Jul	--	--	0.4	0.9	0.9	0.7	0.8	0.5	4.1
2025	Aug	--	--	0.4	0.9	0.9	0.7	0.8	0.5	4.1
2025	Sep	--	--	0.4	0.9	0.9	0.7	0.8	0.5	4.1
2025	*Oct*	--	--	0.4	0.9	0.9	0.7	0.8	0.5	4.1
2025	*Nov*	--	--	0.4	0.9	0.9	0.7	0.8	0.5	4.1
2025	*Dec*	--	--	0.4	0.9	0.9	0.7	0.8	0.5	4.1
2026	*Jan*	--	--	0.4	0.8	0.8	0.6	0.7	0.5	3.7
2026	*Feb*	--	--	0.4	0.8	0.8	0.6	0.7	0.5	3.7
2026	*Mar*	--	--	0.4	0.8	0.8	0.6	0.7	0.5	3.7
2026	Apr	--	--	--	0.8	0.8	0.6	0.7	0.5	3.3
2026	May	--	--	--	0.8	0.8	0.6	0.7	0.5	3.3
2026	Jun	--	--	--	0.8	0.8	0.6	0.7	0.4	3.3
2026	Jul	--	--	--	0.8	0.8	0.6	0.7	0.0	2.9
2026	Aug	--	--	--	0.8	0.8	0.6	0.7	--	2.9
2026	Sep	--	--	--	0.8	0.8	0.6	0.7	--	2.9
2026	*Oct*	--	--	--	0.8	0.8	0.6	0.7	--	2.9
2026	*Nov*	--	--	--	0.8	0.8	0.6	0.7	--	2.9
2026	*Dec*	--	--	--	0.7	0.7	0.6	0.7	--	2.8
2027	*Jan*	--	--	--	0.0	0.0	0.6	0.6	--	1.3
2027	*Feb*	--	--	--	--	--	0.6	0.6	--	1.2
2027	*Mar*	--	--	--	--	--	0.6	0.6	--	1.2
2027	Apr	--	--	--	--	--	0.6	0.6	--	1.2
2027	May	--	--	--	--	--	0.6	0.6	--	1.2
2027	Jun	--	--	--	--	--	0.5	0.6	--	1.2
2027	Jul	--	--	--	--	--	0.0	0.6	--	0.7
2027	Aug	--	--	--	--	--	--	0.6	--	0.6
2027	Sep	--	--	--	--	--	--	0.6	--	0.6
2027	*Oct*	--	--	--	--	--	--	0.6	--	0.6
2027	*Nov*	--	--	--	--	--	--	0.6	--	0.6
2027	*Dec*	--	--	--	--	--	--	0.6	--	0.6
2028	*Jan*	--	--	--	--	--	--	0.6	--	0.6
2028	*Feb*	--	--	--	--	--	--	0.6	--	0.6
2028	*Mar*	--	--	--	--	--	--	0.6	--	0.6
2028	Apr	--	--	--	--	--	--	0.6	--	0.6
2028	May	--	--	--	--	--	--	0.5	--	0.5
2028	Jun	--	--	--	--	--	--	0.5	--	0.5
2028	Jul	--	--	--	--	--	--	0.0	--	0.0
2028	Aug	--	--	--	--	--	--	0.0	--	0.0

Maximum Buildout Scenario - Mitigated - LST PM10 Exhaust Emissions (lbs/day)										
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential	Total Maximum Daily Emissions
2025	*Jan*	0.6	--	--	--	--	--	--	--	0.6
2025	*Feb*	0.6	--	--	--	--	--	--	--	0.6
2025	*Mar*	--	0.3	--	--	--	--	--	--	0.3
2025	Apr	--	0.2	0.1	--	--	--	--	--	0.2
2025	May	--	0.2	0.0	0.2	0.2	0.2	0.2	0.1	1.1
2025	Jun	--	--	0.0	0.2	0.2	0.2	0.2	0.1	0.9
2025	Jul	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.7
2025	Aug	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.7
2025	Sep	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.7
2025	*Oct*	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.7
2025	*Nov*	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.7
2025	*Dec*	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.7
2026	*Jan*	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.7
2026	*Feb*	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.7
2026	*Mar*	--	--	0.1	0.2	0.2	0.1	0.1	0.1	0.8
2026	Apr	--	--	--	0.2	0.2	0.1	0.1	0.1	0.7
2026	May	--	--	--	0.2	0.2	0.1	0.1	0.1	0.7
2026	Jun	--	--	--	0.2	0.2	0.1	0.1	0.1	0.7
2026	Jul	--	--	--	0.2	0.2	0.1	0.1	0.0	0.6
2026	Aug	--	--	--	0.2	0.2	0.1	0.1	--	0.6
2026	Sep	--	--	--	0.2	0.2	0.1	0.1	--	0.6
2026	*Oct*	--	--	--	0.2	0.2	0.1	0.1	--	0.6
2026	*Nov*	--	--	--	0.3	0.2	0.1	0.1	--	0.7
2026	*Dec*	--	--	--	0.3	0.2	0.1	0.1	--	0.7
2027	*Jan*	--	--	--	0.0	0.0	0.1	0.1	--	0.2
2027	*Feb*	--	--	--	--	--	0.1	0.1	--	0.2
2027	*Mar*	--	--	--	--	--	0.1	0.1	--	0.2
2027	Apr	--	--	--	--	--	0.1	0.1	--	0.2
2027	May	--	--	--	--	--	0.1	0.1	--	0.2
2027	Jun	--	--	--	--	--	0.2	0.1	--	0.3
2027	Jul	--	--	--	--	--	0.0	0.1	--	0.1
2027	Aug	--	--	--	--	--	--	0.1	--	0.1
2027	Sep	--	--	--	--	--	--	0.1	--	0.1
2027	*Oct*	--	--	--	--	--	--	0.1	--	0.1
2027	*Nov*	--	--	--	--	--	--	0.1	--	0.1
2027	*Dec*	--	--	--	--	--	--	0.1	--	0.1
2028	*Jan*	--	--	--	--	--	--	0.1	--	0.1
2028	*Feb*	--	--	--	--	--	--	0.1	--	0.1
2028	*Mar*	--	--	--	--	--	--	0.1	--	0.1
2028	Apr	--	--	--	--	--	--	0.2	--	0.2
2028	May	--	--	--	--	--	--	0.2	--	0.2
2028	Jun	--	--	--	--	--	--	0.2	--	0.2
2028	Jul	--	--	--	--	--	--	0.0	--	0.0
2028	Aug	--	--	--	--	--	--	0.0	--	0.0

Maximum Buildout Scenario - Unmitigated - LST PM10 Dust Emissions (lbs/day)										
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential	Total Maximum Daily Emissions
2025	*Jan*	5.1	--	--	--	--	--	--	--	5.1
2025	*Feb*	2.4	--	--	--	--	--	--	--	2.4
2025	*Mar*	--	0.9	--	--	--	--	--	--	0.9
2025	Apr	--	0.7	0.4	--	--	--	--	--	1.1
2025	May	--	0.0	0.0	5.1	5.1	5.1	5.1	5.1	25.6
2025	Jun	--	--	0.0	5.1	5.1	5.1	5.1	0.0	20.4
2025	Jul	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	Aug	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	Sep	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	*Oct*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	*Nov*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	*Dec*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	*Jan*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	*Feb*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	*Mar*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	Apr	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0
2026	May	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0
2026	Jun	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0
2026	Jul	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0
2026	Aug	--	--	--	0.0	0.0	0.0	0.0	--	0.0
2026	Sep	--	--	--	0.0	0.0	0.0	0.0	--	0.0
2026	*Oct*	--	--	--	0.0	0.0	0.0	0.0	--	0.0
2026	*Nov*	--	--	--	0.0	0.0	0.0	0.0	--	0.0
2026	*Dec*	--	--	--	0.0	0.0	0.0	0.0	--	0.0
2027	*Jan*	--	--	--	0.0	0.0	0.0	0.0	--	0.0
2027	*Feb*	--	--	--	--	--	0.0	0.0	--	0.0
2027	*Mar*	--	--	--	--	--	0.0	0.0	--	0.0
2027	Apr	--	--	--	--	--	0.0	0.0	--	0.0
2027	May	--	--	--	--	--	0.0	0.0	--	0.0
2027	Jun	--	--	--	--	--	0.0	0.0	--	0.0
2027	Jul	--	--	--	--	--	0.0	0.0	--	0.0
2027	Aug	--	--	--	--	--	--	0.0	--	0.0
2027	Sep	--	--	--	--	--	--	0.0	--	0.0
2027	*Oct*	--	--	--	--	--	--	0.0	--	0.0
2027	*Nov*	--	--	--	--	--	--	0.0	--	0.0
2027	*Dec*	--	--	--	--	--	--	0.0	--	0.0
2028	*Jan*	--	--	--	--	--	--	0.0	--	0.0
2028	*Feb*	--	--	--	--	--	--	0.0	--	0.0
2028	*Mar*	--	--	--	--	--	--	0.0	--	0.0
2028	Apr	--	--	--	--	--	--	0.0	--	0.0
2028	May	--	--	--	--	--	--	0.0	--	0.0
2028	Jun	--	--	--	--	--	--	0.0	--	0.0
2028	Jul	--	--	--	--	--	--	0.0	--	0.0
2028	Aug	--	--	--	--	--	--	0.0	--	0.0

Maximum Buildout Scenario - Mitigated - LST PM10 Dust Emissions (lbs/day)										
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential	Total Maximum Daily Emissions
2025	*Jan*	5.1	--	--	--	--	--	--	--	5.1
2025	*Feb*	2.4	--	--	--	--	--	--	--	2.4
2025	*Mar*	--	0.9	--	--	--	--	--	--	0.9
2025	Apr	--	0.7	0.4	--	--	--	--	--	1.1
2025	May	--	0.0	0.0	5.1	5.1	5.1	5.1	5.1	25.6
2025	Jun	--	--	0.0	5.1	5.1	5.1	5.1	0.0	20.4
2025	Jul	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	Aug	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	Sep	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	*Oct*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	*Nov*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	*Dec*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	*Jan*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	*Feb*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	*Mar*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	Apr	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0
2026	May	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0
2026	Jun	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0
2026	Jul	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0
2026	Aug	--	--	--	0.0	0.0	0.0	0.0	--	0.0
2026	Sep	--	--	--	0.0	0.0	0.0	0.0	--	0.0
2026	*Oct*	--	--	--	0.0	0.0	0.0	0.0	--	0.0
2026	*Nov*	--	--	--	0.0	0.0	0.0	0.0	--	0.0
2026	*Dec*	--	--	--	0.0	0.0	0.0	0.0	--	0.0
2027	*Jan*	--	--	--	0.0	0.0	0.0	0.0	--	0.0
2027	*Feb*	--	--	--	--	--	0.0	0.0	--	0.0
2027	*Mar*	--	--	--	--	--	0.0	0.0	--	0.0
2027	Apr	--	--	--	--	--	0.0	0.0	--	0.0
2027	May	--	--	--	--	--	0.0	0.0	--	0.0
2027	Jun	--	--	--	--	--	0.0	0.0	--	0.0
2027	Jul	--	--	--	--	--	0.0	0.0	--	0.0
2027	Aug	--	--	--	--	--	--	0.0	--	0.0
2027	Sep	--	--	--	--	--	--	0.0	--	0.0
2027	*Oct*	--	--	--	--	--	--	0.0	--	0.0
2027	*Nov*	--	--	--	--	--	--	0.0	--	0.0
2027	*Dec*	--	--	--	--	--	--	0.0	--	0.0
2028	*Jan*	--	--	--	--	--	--	0.0	--	0.0
2028	*Feb*	--	--	--	--	--	--	0.0	--	0.0
2028	*Mar*	--	--	--	--	--	--	0.0	--	0.0
2028	Apr	--	--	--	--	--	--	0.0	--	0.0
2028	May	--	--	--	--	--	--	0.0	--	0.0
2028	Jun	--	--	--	--	--	--	0.0	--	0.0
2028	Jul	--	--	--	--	--	--	0.0	--	0.0
2028	Aug	--	--	--	--	--	--	0.0	--	0.0

Maximum Buildout Scenario - Unmitigated - LST PM10 Total Emissions (lbs/day)										
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential	Total Maximum Daily Emissions
2025	*Jan*	8.1	--	--	--	--	--	--	--	8.1
2025	*Feb*	5.4	--	--	--	--	--	--	--	5.4
2025	*Mar*	--	2.3	--	--	--	--	--	--	2.3
2025	Apr	--	1.7	0.9	--	--	--	--	--	2.6
2025	May	--	0.4	0.4	6.9	6.9	6.8	6.8	6.6	34.8
2025	Jun	--	--	0.4	6.9	6.9	6.8	6.8	0.5	28.3
2025	Jul	--	--	0.4	0.9	0.9	0.7	0.8	0.5	4.1
2025	Aug	--	--	0.4	0.9	0.9	0.7	0.8	0.5	4.1
2025	Sep	--	--	0.4	0.9	0.9	0.7	0.8	0.5	4.1
2025	*Oct*	--	--	0.4	0.9	0.9	0.7	0.8	0.5	4.1
2025	*Nov*	--	--	0.4	0.9	0.9	0.7	0.8	0.5	4.1
2025	*Dec*	--	--	0.4	0.9	0.9	0.7	0.8	0.5	4.1
2026	*Jan*	--	--	0.4	0.8	0.8	0.6	0.7	0.5	3.7
2026	*Feb*	--	--	0.4	0.8	0.8	0.6	0.7	0.5	3.7
2026	*Mar*	--	--	0.4	0.8	0.8	0.6	0.7	0.5	3.7
2026	Apr	--	--	--	0.8	0.8	0.6	0.7	0.5	3.3
2026	May	--	--	--	0.8	0.8	0.6	0.7	0.5	3.3
2026	Jun	--	--	--	0.8	0.8	0.6	0.7	0.4	3.3
2026	Jul	--	--	--	0.8	0.8	0.6	0.7	0.0	2.9
2026	Aug	--	--	--	0.8	0.8	0.6	0.7	--	2.9
2026	Sep	--	--	--	0.8	0.8	0.6	0.7	--	2.9
2026	*Oct*	--	--	--	0.8	0.8	0.6	0.7	--	2.9
2026	*Nov*	--	--	--	0.8	0.8	0.6	0.7	--	2.9
2026	*Dec*	--	--	--	0.7	0.7	0.6	0.7	--	2.8
2027	*Jan*	--	--	--	0.0	0.0	0.6	0.6	--	1.3
2027	*Feb*	--	--	--	--	--	0.6	0.6	--	1.2
2027	*Mar*	--	--	--	--	--	0.6	0.6	--	1.2
2027	Apr	--	--	--	--	--	0.6	0.6	--	1.2
2027	May	--	--	--	--	--	0.6	0.6	--	1.2
2027	Jun	--	--	--	--	--	0.5	0.6	--	1.2
2027	Jul	--	--	--	--	--	0.0	0.6	--	0.7
2027	Aug	--	--	--	--	--	--	0.6	--	0.6
2027	Sep	--	--	--	--	--	--	0.6	--	0.6
2027	*Oct*	--	--	--	--	--	--	0.6	--	0.6
2027	*Nov*	--	--	--	--	--	--	0.6	--	0.6
2027	*Dec*	--	--	--	--	--	--	0.6	--	0.6
2028	*Jan*	--	--	--	--	--	--	0.6	--	0.6
2028	*Feb*	--	--	--	--	--	--	0.6	--	0.6
2028	*Mar*	--	--	--	--	--	--	0.6	--	0.6
2028	Apr	--	--	--	--	--	--	0.6	--	0.6
2028	May	--	--	--	--	--	--	0.5	--	0.5
2028	Jun	--	--	--	--	--	--	0.5	--	0.5
2028	Jul	--	--	--	--	--	--	0.0	--	0.0
2028	Aug	--	--	--	--	--	--	0.0	--	0.0

Maximum Buildout Scenario - Mitigated - LST PM10 Total Emissions (lbs/day)										
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential	Total Maximum Daily Emissions
2025	*Jan*	5.6	--	--	--	--	--	--	--	5.6
2025	*Feb*	3.0	--	--	--	--	--	--	--	3.0
2025	*Mar*	--	1.1	--	--	--	--	--	--	1.1
2025	Apr	--	0.9	0.5	--	--	--	--	--	1.3
2025	May	--	0.2	0.0	5.3	5.3	5.3	5.3	5.2	26.7
2025	Jun	--	--	0.0	5.3	5.3	5.3	5.3	0.1	21.3
2025	Jul	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.7
2025	Aug	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.7
2025	Sep	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.7
2025	*Oct*	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.7
2025	*Nov*	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.7
2025	*Dec*	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.7
2026	*Jan*	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.7
2026	*Feb*	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.7
2026	*Mar*	--	--	0.1	0.2	0.2	0.1	0.1	0.1	0.8
2026	Apr	--	--	--	0.2	0.2	0.1	0.1	0.1	0.7
2026	May	--	--	--	0.2	0.2	0.1	0.1	0.1	0.7
2026	Jun	--	--	--	0.2	0.2	0.1	0.1	0.1	0.7
2026	Jul	--	--	--	0.2	0.2	0.1	0.1	0.0	0.6
2026	Aug	--	--	--	0.2	0.2	0.1	0.1	--	0.6
2026	Sep	--	--	--	0.2	0.2	0.1	0.1	--	0.6
2026	*Oct*	--	--	--	0.2	0.2	0.1	0.1	--	0.6
2026	*Nov*	--	--	--	0.3	0.2	0.1	0.1	--	0.7
2026	*Dec*	--	--	--	0.3	0.2	0.1	0.1	--	0.7
2027	*Jan*	--	--	--	0.0	0.0	0.1	0.1	--	0.2
2027	*Feb*	--	--	--	--	--	0.1	0.1	--	0.2
2027	*Mar*	--	--	--	--	--	0.1	0.1	--	0.2
2027	Apr	--	--	--	--	--	0.1	0.1	--	0.2
2027	May	--	--	--	--	--	0.1	0.1	--	0.2
2027	Jun	--	--	--	--	--	0.2	0.1	--	0.3
2027	Jul	--	--	--	--	--	0.0	0.1	--	0.1
2027	Aug	--	--	--	--	--	--	0.1	--	0.1
2027	Sep	--	--	--	--	--	--	0.1	--	0.1
2027	*Oct*	--	--	--	--	--	--	0.1	--	0.1
2027	*Nov*	--	--	--	--	--	--	0.1	--	0.1
2027	*Dec*	--	--	--	--	--	--	0.1	--	0.1
2028	*Jan*	--	--	--	--	--	--	0.1	--	0.1
2028	*Feb*	--	--	--	--	--	--	0.1	--	0.1
2028	*Mar*	--	--	--	--	--	--	0.1	--	0.1
2028	Apr	--	--	--	--	--	--	0.2	--	0.2
2028	May	--	--	--	--	--	--	0.2	--	0.2
2028	Jun	--	--	--	--	--	--	0.2	--	0.2
2028	Jul	--	--	--	--	--	--	0.0	--	0.0
2028	Aug	--	--	--	--	--	--	0.0	--	0.0

Maximum Buildout Scenario - Unmitigated - LST PM2.5 Exhaust Emissions (lbs/day)										
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential	Total Maximum Daily Emissions
2025	*Jan*	2.8	--	--	--	--	--	--	--	2.8
2025	*Feb*	2.7	--	--	--	--	--	--	--	2.7
2025	*Mar*	--	1.3	--	--	--	--	--	--	1.3
2025	Apr	--	0.9	0.5	--	--	--	--	--	1.4
2025	May	--	0.4	0.4	1.7	1.6	1.5	1.6	1.3	8.5
2025	Jun	--	--	0.4	1.7	1.6	1.5	1.6	0.5	7.2
2025	Jul	--	--	0.4	0.8	0.8	0.7	0.7	0.5	3.8
2025	Aug	--	--	0.4	0.8	0.8	0.7	0.7	0.5	3.8
2025	Sep	--	--	0.4	0.8	0.8	0.7	0.7	0.5	3.8
2025	*Oct*	--	--	0.4	0.8	0.8	0.7	0.7	0.5	3.8
2025	*Nov*	--	--	0.4	0.8	0.8	0.7	0.7	0.5	3.8
2025	*Dec*	--	--	0.4	0.8	0.8	0.7	0.7	0.5	3.8
2026	*Jan*	--	--	0.4	0.7	0.7	0.6	0.6	0.4	3.4
2026	*Feb*	--	--	0.4	0.7	0.7	0.6	0.6	0.4	3.4
2026	*Mar*	--	--	0.4	0.7	0.7	0.6	0.6	0.4	3.4
2026	Apr	--	--	--	0.7	0.7	0.6	0.6	0.4	3.1
2026	May	--	--	--	0.7	0.7	0.6	0.6	0.4	3.1
2026	Jun	--	--	--	0.7	0.7	0.6	0.6	0.4	3.0
2026	Jul	--	--	--	0.7	0.7	0.6	0.6	0.0	2.7
2026	Aug	--	--	--	0.7	0.7	0.6	0.6	--	2.6
2026	Sep	--	--	--	0.7	0.7	0.6	0.6	--	2.6
2026	*Oct*	--	--	--	0.7	0.7	0.6	0.6	--	2.6
2026	*Nov*	--	--	--	0.7	0.7	0.6	0.6	--	2.6
2026	*Dec*	--	--	--	0.7	0.7	0.6	0.6	--	2.5
2027	*Jan*	--	--	--	0.0	0.0	0.5	0.6	--	1.2
2027	*Feb*	--	--	--	--	--	0.5	0.6	--	1.1
2027	*Mar*	--	--	--	--	--	0.5	0.6	--	1.1
2027	Apr	--	--	--	--	--	0.5	0.6	--	1.1
2027	May	--	--	--	--	--	0.5	0.6	--	1.1
2027	Jun	--	--	--	--	--	0.5	0.6	--	1.1
2027	Jul	--	--	--	--	--	0.0	0.6	--	0.6
2027	Aug	--	--	--	--	--	--	0.6	--	0.6
2027	Sep	--	--	--	--	--	--	0.6	--	0.6
2027	*Oct*	--	--	--	--	--	--	0.6	--	0.6
2027	*Nov*	--	--	--	--	--	--	0.6	--	0.6
2027	*Dec*	--	--	--	--	--	--	0.6	--	0.6
2028	*Jan*	--	--	--	--	--	--	0.5	--	0.5
2028	*Feb*	--	--	--	--	--	--	0.5	--	0.5
2028	*Mar*	--	--	--	--	--	--	0.5	--	0.5
2028	Apr	--	--	--	--	--	--	0.5	--	0.5
2028	May	--	--	--	--	--	--	0.5	--	0.5
2028	Jun	--	--	--	--	--	--	0.5	--	0.5
2028	Jul	--	--	--	--	--	--	0.0	--	0.0
2028	Aug	--	--	--	--	--	--	0.0	--	0.0

Maximum Buildout Scenario - Mitigated - LST PM2.5 Exhaust Emissions (lbs/day)										
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential	Total Maximum Daily Emissions
2025	*Jan*	0.6	--	--	--	--	--	--	--	0.6
2025	*Feb*	0.6	--	--	--	--	--	--	--	0.6
2025	*Mar*	--	0.2	--	--	--	--	--	--	0.2
2025	Apr	--	0.2	0.1	--	--	--	--	--	0.2
2025	May	--	0.2	0.0	0.2	0.2	0.2	0.2	0.1	1.1
2025	Jun	--	--	0.0	0.2	0.2	0.2	0.2	0.1	0.9
2025	Jul	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.7
2025	Aug	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.7
2025	Sep	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.7
2025	*Oct*	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.7
2025	*Nov*	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.7
2025	*Dec*	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.7
2026	*Jan*	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.7
2026	*Feb*	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.7
2026	*Mar*	--	--	0.1	0.2	0.2	0.1	0.1	0.1	0.8
2026	Apr	--	--	--	0.2	0.2	0.1	0.1	0.1	0.7
2026	May	--	--	--	0.2	0.2	0.1	0.1	0.1	0.7
2026	Jun	--	--	--	0.2	0.2	0.1	0.1	0.1	0.7
2026	Jul	--	--	--	0.2	0.2	0.1	0.1	0.0	0.6
2026	Aug	--	--	--	0.2	0.2	0.1	0.1	--	0.6
2026	Sep	--	--	--	0.2	0.2	0.1	0.1	--	0.6
2026	*Oct*	--	--	--	0.2	0.2	0.1	0.1	--	0.6
2026	*Nov*	--	--	--	0.3	0.2	0.1	0.1	--	0.7
2026	*Dec*	--	--	--	0.3	0.2	0.1	0.1	--	0.7
2027	*Jan*	--	--	--	0.0	0.0	0.1	0.1	--	0.2
2027	*Feb*	--	--	--	--	--	0.1	0.1	--	0.2
2027	*Mar*	--	--	--	--	--	0.1	0.1	--	0.2
2027	Apr	--	--	--	--	--	0.1	0.1	--	0.2
2027	May	--	--	--	--	--	0.1	0.1	--	0.2
2027	Jun	--	--	--	--	--	0.2	0.1	--	0.3
2027	Jul	--	--	--	--	--	0.0	0.1	--	0.1
2027	Aug	--	--	--	--	--	--	0.1	--	0.1
2027	Sep	--	--	--	--	--	--	0.1	--	0.1
2027	*Oct*	--	--	--	--	--	--	0.1	--	0.1
2027	*Nov*	--	--	--	--	--	--	0.1	--	0.1
2027	*Dec*	--	--	--	--	--	--	0.1	--	0.1
2028	*Jan*	--	--	--	--	--	--	0.1	--	0.1
2028	*Feb*	--	--	--	--	--	--	0.1	--	0.1
2028	*Mar*	--	--	--	--	--	--	0.1	--	0.1
2028	Apr	--	--	--	--	--	--	0.2	--	0.2
2028	May	--	--	--	--	--	--	0.2	--	0.2
2028	Jun	--	--	--	--	--	--	0.2	--	0.2
2028	Jul	--	--	--	--	--	--	0.0	--	0.0
2028	Aug	--	--	--	--	--	--	0.0	--	0.0

Maximum Buildout Scenario - Unmitigated - LST PM2.5 Dust Emissions (lbs/day)										
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential	Total Maximum Daily Emissions
2025	*Jan*	2.6	--	--	--	--	--	--	--	2.6
2025	*Feb*	1.0	--	--	--	--	--	--	--	1.0
2025	*Mar*	--	0.1	--	--	--	--	--	--	0.1
2025	Apr	--	0.1	0.1	--	--	--	--	--	0.1
2025	May	--	0.0	0.0	2.6	2.6	2.6	2.6	2.6	13.2
2025	Jun	--	--	0.0	2.6	2.6	2.6	2.6	0.0	10.5
2025	Jul	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	Aug	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	Sep	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	*Oct*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	*Nov*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	*Dec*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	*Jan*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	*Feb*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	*Mar*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	Apr	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0
2026	May	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0
2026	Jun	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0
2026	Jul	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0
2026	Aug	--	--	--	0.0	0.0	0.0	0.0	--	0.0
2026	Sep	--	--	--	0.0	0.0	0.0	0.0	--	0.0
2026	*Oct*	--	--	--	0.0	0.0	0.0	0.0	--	0.0
2026	*Nov*	--	--	--	0.0	0.0	0.0	0.0	--	0.0
2026	*Dec*	--	--	--	0.0	0.0	0.0	0.0	--	0.0
2027	*Jan*	--	--	--	0.0	0.0	0.0	0.0	--	0.0
2027	*Feb*	--	--	--	--	--	0.0	0.0	--	0.0
2027	*Mar*	--	--	--	--	--	0.0	0.0	--	0.0
2027	Apr	--	--	--	--	--	0.0	0.0	--	0.0
2027	May	--	--	--	--	--	0.0	0.0	--	0.0
2027	Jun	--	--	--	--	--	0.0	0.0	--	0.0
2027	Jul	--	--	--	--	--	0.0	0.0	--	0.0
2027	Aug	--	--	--	--	--	--	0.0	--	0.0
2027	Sep	--	--	--	--	--	--	0.0	--	0.0
2027	*Oct*	--	--	--	--	--	--	0.0	--	0.0
2027	*Nov*	--	--	--	--	--	--	0.0	--	0.0
2027	*Dec*	--	--	--	--	--	--	0.0	--	0.0
2028	*Jan*	--	--	--	--	--	--	0.0	--	0.0
2028	*Feb*	--	--	--	--	--	--	0.0	--	0.0
2028	*Mar*	--	--	--	--	--	--	0.0	--	0.0
2028	Apr	--	--	--	--	--	--	0.0	--	0.0
2028	May	--	--	--	--	--	--	0.0	--	0.0
2028	Jun	--	--	--	--	--	--	0.0	--	0.0
2028	Jul	--	--	--	--	--	--	0.0	--	0.0
2028	Aug	--	--	--	--	--	--	0.0	--	0.0

Maximum Buildout Scenario - Mitigated - LST PM2.5 Dust Emissions (lbs/day)										
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential	Total Maximum Daily Emissions
2025	*Jan*	2.6	--	--	--	--	--	--	--	2.6
2025	*Feb*	1.0	--	--	--	--	--	--	--	1.0
2025	*Mar*	--	0.1	--	--	--	--	--	--	0.1
2025	Apr	--	0.1	0.1	--	--	--	--	--	0.1
2025	May	--	0.0	0.0	2.6	2.6	2.6	2.6	2.6	13.2
2025	Jun	--	--	0.0	2.6	2.6	2.6	2.6	0.0	10.5
2025	Jul	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	Aug	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	Sep	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	*Oct*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	*Nov*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	*Dec*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	*Jan*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	*Feb*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	*Mar*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	Apr	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0
2026	May	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0
2026	Jun	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0
2026	Jul	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0
2026	Aug	--	--	--	0.0	0.0	0.0	0.0	--	0.0
2026	Sep	--	--	--	0.0	0.0	0.0	0.0	--	0.0
2026	*Oct*	--	--	--	0.0	0.0	0.0	0.0	--	0.0
2026	*Nov*	--	--	--	0.0	0.0	0.0	0.0	--	0.0
2026	*Dec*	--	--	--	0.0	0.0	0.0	0.0	--	0.0
2027	*Jan*	--	--	--	0.0	0.0	0.0	0.0	--	0.0
2027	*Feb*	--	--	--	--	--	0.0	0.0	--	0.0
2027	*Mar*	--	--	--	--	--	0.0	0.0	--	0.0
2027	Apr	--	--	--	--	--	0.0	0.0	--	0.0
2027	May	--	--	--	--	--	0.0	0.0	--	0.0
2027	Jun	--	--	--	--	--	0.0	0.0	--	0.0
2027	Jul	--	--	--	--	--	0.0	0.0	--	0.0
2027	Aug	--	--	--	--	--	--	0.0	--	0.0
2027	Sep	--	--	--	--	--	--	0.0	--	0.0
2027	*Oct*	--	--	--	--	--	--	0.0	--	0.0
2027	*Nov*	--	--	--	--	--	--	0.0	--	0.0
2027	*Dec*	--	--	--	--	--	--	0.0	--	0.0
2028	*Jan*	--	--	--	--	--	--	0.0	--	0.0
2028	*Feb*	--	--	--	--	--	--	0.0	--	0.0
2028	*Mar*	--	--	--	--	--	--	0.0	--	0.0
2028	Apr	--	--	--	--	--	--	0.0	--	0.0
2028	May	--	--	--	--	--	--	0.0	--	0.0
2028	Jun	--	--	--	--	--	--	0.0	--	0.0
2028	Jul	--	--	--	--	--	--	0.0	--	0.0
2028	Aug	--	--	--	--	--	--	0.0	--	0.0

Maximum Buildout Scenario - Unmitigated - LST PM2.5 Total Emissions (lbs/day)										
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential	Total Maximum Daily Emissions
2025	*Jan*	5.4	--	--	--	--	--	--	--	5.4
2025	*Feb*	3.7	--	--	--	--	--	--	--	3.7
2025	*Mar*	--	1.4	--	--	--	--	--	--	1.4
2025	Apr	--	1.0	0.5	--	--	--	--	--	1.5
2025	May	--	0.4	0.4	4.3	4.3	4.1	4.2	4.0	21.7
2025	Jun	--	--	0.4	4.3	4.3	4.1	4.2	0.5	17.8
2025	Jul	--	--	0.4	0.8	0.8	0.7	0.7	0.5	3.8
2025	Aug	--	--	0.4	0.8	0.8	0.7	0.7	0.5	3.8
2025	Sep	--	--	0.4	0.8	0.8	0.7	0.7	0.5	3.8
2025	*Oct*	--	--	0.4	0.8	0.8	0.7	0.7	0.5	3.8
2025	*Nov*	--	--	0.4	0.8	0.8	0.7	0.7	0.5	3.8
2025	*Dec*	--	--	0.4	0.8	0.8	0.7	0.7	0.5	3.8
2026	*Jan*	--	--	0.4	0.7	0.7	0.6	0.6	0.4	3.4
2026	*Feb*	--	--	0.4	0.7	0.7	0.6	0.6	0.4	3.4
2026	*Mar*	--	--	0.4	0.7	0.7	0.6	0.6	0.4	3.4
2026	Apr	--	--	--	0.7	0.7	0.6	0.6	0.4	3.1
2026	May	--	--	--	0.7	0.7	0.6	0.6	0.4	3.1
2026	Jun	--	--	--	0.7	0.7	0.6	0.6	0.4	3.0
2026	Jul	--	--	--	0.7	0.7	0.6	0.6	0.0	2.7
2026	Aug	--	--	--	0.7	0.7	0.6	0.6	--	2.6
2026	Sep	--	--	--	0.7	0.7	0.6	0.6	--	2.6
2026	*Oct*	--	--	--	0.7	0.7	0.6	0.6	--	2.6
2026	*Nov*	--	--	--	0.7	0.7	0.6	0.6	--	2.6
2026	*Dec*	--	--	--	0.7	0.7	0.6	0.6	--	2.5
2027	*Jan*	--	--	--	0.0	0.0	0.5	0.6	--	1.2
2027	*Feb*	--	--	--	--	--	0.5	0.6	--	1.1
2027	*Mar*	--	--	--	--	--	0.5	0.6	--	1.1
2027	Apr	--	--	--	--	--	0.5	0.6	--	1.1
2027	May	--	--	--	--	--	0.5	0.6	--	1.1
2027	Jun	--	--	--	--	--	0.5	0.6	--	1.1
2027	Jul	--	--	--	--	--	0.0	0.6	--	0.6
2027	Aug	--	--	--	--	--	--	0.6	--	0.6
2027	Sep	--	--	--	--	--	--	0.6	--	0.6
2027	*Oct*	--	--	--	--	--	--	0.6	--	0.6
2027	*Nov*	--	--	--	--	--	--	0.6	--	0.6
2027	*Dec*	--	--	--	--	--	--	0.6	--	0.6
2028	*Jan*	--	--	--	--	--	--	0.5	--	0.5
2028	*Feb*	--	--	--	--	--	--	0.5	--	0.5
2028	*Mar*	--	--	--	--	--	--	0.5	--	0.5
2028	Apr	--	--	--	--	--	--	0.5	--	0.5
2028	May	--	--	--	--	--	--	0.5	--	0.5
2028	Jun	--	--	--	--	--	--	0.5	--	0.5
2028	Jul	--	--	--	--	--	--	0.0	--	0.0
2028	Aug	--	--	--	--	--	--	0.0	--	0.0

Maximum Buildout Scenario - Mitigated - LST PM2.5 Total Emissions (lbs/day)										
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential	Total Maximum Daily Emissions
2025	*Jan*	3.2	--	--	--	--	--	--	--	3.2
2025	*Feb*	1.5	--	--	--	--	--	--	--	1.5
2025	*Mar*	--	0.3	--	--	--	--	--	--	0.3
2025	Apr	--	0.2	0.1	--	--	--	--	--	0.3
2025	May	--	0.2	0.0	2.8	2.8	2.8	2.8	2.8	14.2
2025	Jun	--	--	0.0	2.8	2.8	2.8	2.8	0.1	11.4
2025	Jul	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.7
2025	Aug	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.7
2025	Sep	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.7
2025	*Oct*	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.7
2025	*Nov*	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.7
2025	*Dec*	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.7
2026	*Jan*	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.7
2026	*Feb*	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.7
2026	*Mar*	--	--	0.1	0.2	0.2	0.1	0.1	0.1	0.8
2026	Apr	--	--	--	0.2	0.2	0.1	0.1	0.1	0.7
2026	May	--	--	--	0.2	0.2	0.1	0.1	0.1	0.7
2026	Jun	--	--	--	0.2	0.2	0.1	0.1	0.1	0.7
2026	Jul	--	--	--	0.2	0.2	0.1	0.1	0.0	0.6
2026	Aug	--	--	--	0.2	0.2	0.1	0.1	--	0.6
2026	Sep	--	--	--	0.2	0.2	0.1	0.1	--	0.6
2026	*Oct*	--	--	--	0.2	0.2	0.1	0.1	--	0.6
2026	*Nov*	--	--	--	0.3	0.2	0.1	0.1	--	0.7
2026	*Dec*	--	--	--	0.3	0.2	0.1	0.1	--	0.7
2027	*Jan*	--	--	--	0.0	0.0	0.1	0.1	--	0.2
2027	*Feb*	--	--	--	--	--	0.1	0.1	--	0.2
2027	*Mar*	--	--	--	--	--	0.1	0.1	--	0.2
2027	Apr	--	--	--	--	--	0.1	0.1	--	0.2
2027	May	--	--	--	--	--	0.1	0.1	--	0.2
2027	Jun	--	--	--	--	--	0.2	0.1	--	0.3
2027	Jul	--	--	--	--	--	0.0	0.1	--	0.1
2027	Aug	--	--	--	--	--	--	0.1	--	0.1
2027	Sep	--	--	--	--	--	--	0.1	--	0.1
2027	*Oct*	--	--	--	--	--	--	0.1	--	0.1
2027	*Nov*	--	--	--	--	--	--	0.1	--	0.1
2027	*Dec*	--	--	--	--	--	--	0.1	--	0.1
2028	*Jan*	--	--	--	--	--	--	0.1	--	0.1
2028	*Feb*	--	--	--	--	--	--	0.1	--	0.1
2028	*Mar*	--	--	--	--	--	--	0.1	--	0.1
2028	Apr	--	--	--	--	--	--	0.2	--	0.2
2028	May	--	--	--	--	--	--	0.2	--	0.2
2028	Jun	--	--	--	--	--	--	0.2	--	0.2
2028	Jul	--	--	--	--	--	--	0.0	--	0.0
2028	Aug	--	--	--	--	--	--	0.0	--	0.0

Scenario 2 - Unmitigated - Maximum Regional Daily ROG Emissions (lbs/day)											
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	Total Maximum Daily Emissions
2025	*Jan*	11.3	--	--	--	--	--	--	--		11.3
2025	*Feb*	11.3	--	--	--	--	--	--	--		11.3
2025	*Mar*	--	4.1	--	--	--	--	--	--		4.1
2025	Apr	--	3.1	1.4	--	--	--	--	--		4.5
2025	May	--	1.5	1.4	5.5	5.4	4.7	4.8	3.6	3.8	26.9
2025	Jun	--	--	1.4	5.5	5.4	4.7	5.6	1.3	2.1	23.9
2025	Jul	--	--	1.4	5.2	5.3	4.2	5.6	1.3	2.1	23.0
2025	Aug	--	--	1.4	5.2	5.3	4.2	5.6	1.3	2.1	23.0
2025	Sep	--	--	1.4	5.2	5.3	4.2	5.6	1.3	2.1	23.0
2025	*Oct*	--	--	1.4	4.7	4.8	3.7	4.8	1.3	2.0	20.7
2025	*Nov*	--	--	1.4	4.7	4.8	3.7	4.8	1.3	2.0	20.7
2025	*Dec*	--	--	1.4	4.7	4.8	3.7	4.8	1.3	2.0	20.7
2026	*Jan*	--	--	1.3	4.5	4.6	3.6	4.7	1.3	1.9	20.0
2026	*Feb*	--	--	1.3	4.5	4.6	3.6	4.7	1.3	1.9	20.0
2026	*Mar*	--	--	33.0	4.5	4.6	3.6	4.7	1.3	1.9	51.7
2026	Apr	--	--	--	4.8	5.0	3.9	5.1	8.8	2.0	27.6
2026	May	--	--	--	4.8	5.0	3.9	5.1	8.8	2.0	27.6
2026	Jun	--	--	--	4.8	5.0	3.9	5.1	--	2.0	18.8
2026	Jul	--	--	--	4.8	5.0	3.9	5.1	--	2.0	18.8
2026	Aug	--	--	--	4.8	5.0	3.9	5.1	--	116.2	18.8
2026	Sep	--	--	--	4.8	5.0	3.9	5.1	--	116.2	18.8
2026	*Oct*	--	--	--	4.5	4.6	3.6	4.7	--		17.4
2026	*Nov*	--	--	--	5.2	4.8	3.6	4.7	--		18.3
2026	*Dec*	--	--	--	277.4	302.4	3.6	4.7	--		588.1
2027	*Jan*	--	--	--	277.4	302.4	3.5	4.5	--		587.8
2027	*Feb*	--	--	--	--	--	3.5	4.5	--		8.0
2027	*Mar*	--	--	--	--	--	3.5	4.5	--		8.0
2027	Apr	--	--	--	--	--	3.7	5.0	--		8.7
2027	May	--	--	--	--	--	4.3	5.0	--		9.3
2027	Jun	--	--	--	--	--	109.4	5.0	--		114.3
2027	Jul	--	--	--	--	--	109.4	5.0	--		114.3
2027	Aug	--	--	--	--	--	--	5.0	--		5.0
2027	Sep	--	--	--	--	--	--	5.0	--		5.0
2027	*Oct*	--	--	--	--	--	--	4.5	--		4.5
2027	*Nov*	--	--	--	--	--	--	4.5	--		4.5
2027	*Dec*	--	--	--	--	--	--	4.5	--		4.5
2028	*Jan*	--	--	--	--	--	--	4.4	--		4.4
2028	*Feb*	--	--	--	--	--	--	4.4	--		4.4
2028	*Mar*	--	--	--	--	--	--	4.4	--		4.4
2028	Apr	--	--	--	--	--	--	4.8	--		4.8
2028	May	--	--	--	--	--	--	3.6	--		3.6
2028	Jun	--	--	--	--	--	--	101.6	--		101.6
2028	Jul	--	--	--	--	--	--	101.6	--		101.6
2028	Aug	--	--	--	--	--	--	101.6	--		101.6

Scenario 2 - Mitigated - Maximum Regional Daily ROG Emissions (lbs/day)											
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	Total Maximum Daily Emissions
2025	*Jan*	3.1	--	--	--	--	--	--	--		3.1
2025	*Feb*	3.1	--	--	--	--	--	--	--		3.1
2025	*Mar*	--	1.4	--	--	--	--	--	--		1.4
2025	Apr	--	4.3	0.4	--	--	--	--	--		4.7
2025	May	--	0.8	0.2	1.2	1.2	1.0	1.0	0.7	1.2	6.1
2025	Jun	--	--	0.2	3.1	3.0	2.3	3.7	0.3	1.2	12.6
2025	Jul	--	--	0.2	3.1	3.0	2.3	3.7	0.3	1.2	12.6
2025	Aug	--	--	0.2	3.1	3.0	2.3	3.7	0.3	1.2	12.6
2025	Sep	--	--	0.2	3.1	3.0	2.3	3.7	0.3	1.2	12.6
2025	*Oct*	--	--	0.2	2.6	2.5	1.9	2.9	0.3	1.0	10.4
2025	*Nov*	--	--	0.2	2.6	2.5	1.9	2.9	0.3	1.0	10.4
2025	*Dec*	--	--	0.2	2.6	2.5	1.9	2.9	0.3	1.0	10.4
2026	*Jan*	--	--	0.2	2.5	2.4	1.8	2.8	0.3	1.0	10.0
2026	*Feb*	--	--	0.2	2.5	2.4	1.8	2.8	0.3	1.0	10.0
2026	*Mar*	--	--	3.3	2.5	2.4	1.8	2.8	0.3	1.0	13.1
2026	Apr	--	--	--	2.9	2.7	2.1	3.3	8.7	1.1	19.6
2026	May	--	--	--	2.9	2.7	2.1	3.3	8.7	1.1	19.6
2026	Jun	--	--	--	2.9	2.7	2.1	3.3	--	1.1	10.9
2026	Jul	--	--	--	2.9	2.7	2.1	3.3	--	1.1	10.9
2026	Aug	--	--	--	2.9	2.7	2.1	3.3	--	13.8	10.9
2026	Sep	--	--	--	2.9	2.7	2.1	3.3	--	13.8	10.9
2026	*Oct*	--	--	--	2.5	2.4	1.8	2.8	--		9.6
2026	*Nov*	--	--	--	3.7	3.1	1.8	2.8	--		11.4
2026	*Dec*	--	--	--	38.0	39.2	1.8	2.8	--		81.8
2027	*Jan*	--	--	--	38.0	39.2	1.8	2.7	--		81.6
2027	*Feb*	--	--	--	--	--	1.8	2.7	--		4.5
2027	*Mar*	--	--	--	--	--	1.8	2.7	--		4.5
2027	Apr	--	--	--	--	--	2.0	3.1	--		5.1
2027	May	--	--	--	--	--	3.0	3.1	--		6.2
2027	Jun	--	--	--	--	--	30.2	3.1	--		33.3
2027	Jul	--	--	--	--	--	30.2	3.1	--		33.3
2027	Aug	--	--	--	--	--	--	3.1	--		3.1
2027	Sep	--	--	--	--	--	--	3.1	--		3.1
2027	*Oct*	--	--	--	--	--	--	2.7	--		2.7
2027	*Nov*	--	--	--	--	--	--	2.7	--		2.7
2027	*Dec*	--	--	--	--	--	--	2.7	--		2.7
2028	*Jan*	--	--	--	--	--	--	2.6	--		2.6
2028	*Feb*	--	--	--	--	--	--	2.6	--		2.6
2028	*Mar*	--	--	--	--	--	--	2.6	--		2.6
2028	Apr	--	--	--	--	--	--	3.0	--		3.0
2028	May	--	--	--	--	--	--	2.3	--		2.3
2028	Jun	--	--	--	--	--	--	24.7	--		24.7
2028	Jul	--	--	--	--	--	--	24.7	--		24.7
2028	Aug	--	--	--	--	--	--	24.7	--		24.7

Scenario 2 - Unmitigated - Maximum Regional Daily NOx Emissions (lbs/day)											
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	Total Maximum Daily Emissions
2025	*Jan*	79.0	--	--	--	--	--	--	--		79.0
2025	*Feb*	78.3	--	--	--	--	--	--	--		78.3
2025	*Mar*	--	43.7	--	--	--	--	--	--		43.7
2025	Apr	--	25.8	14.4	--	--	--	--	--		40.2
2025	May	--	13.3	11.4	44.0	43.5	39.6	40.1	32.9	34.2	224.8
2025	Jun	--	--	11.4	44.0	43.5	39.6	40.1	11.7	14.8	190.3
2025	Jul	--	--	11.4	29.2	29.4	21.6	24.6	11.7	14.8	127.9
2025	Aug	--	--	11.4	29.2	29.4	21.6	24.6	11.7	14.8	127.9
2025	Sep	--	--	11.4	29.2	29.4	21.6	24.6	11.7	14.8	127.9
2025	*Oct*	--	--	11.5	29.7	29.9	21.8	25.1	11.7	14.9	129.7
2025	*Nov*	--	--	11.5	29.7	29.9	21.8	25.1	11.7	14.9	129.7
2025	*Dec*	--	--	11.5	29.7	29.9	21.8	25.1	11.7	14.9	129.7
2026	*Jan*	--	--	10.9	27.8	28.1	20.5	23.5	11.0	14.0	121.8
2026	*Feb*	--	--	10.9	27.8	28.1	20.5	23.5	11.0	14.0	121.8
2026	*Mar*	--	--	10.9	27.8	28.1	20.5	23.5	11.0	14.0	121.8
2026	Apr	--	--	--	27.3	27.6	20.3	23.0	11.0	13.9	109.2
2026	May	--	--	--	27.3	27.6	20.3	23.0	0.9	13.9	99.1
2026	Jun	--	--	--	27.3	27.6	20.3	23.0	--	13.9	98.2
2026	Jul	--	--	--	27.3	27.6	20.3	23.0	--	13.9	98.2
2026	Aug	--	--	--	27.3	27.6	20.3	23.0	--	9.5	98.2
2026	Sep	--	--	--	27.3	27.6	20.3	23.0	--	1.0	98.2
2026	*Oct*	--	--	--	27.8	28.1	20.5	23.5	--		99.9
2026	*Nov*	--	--	--	27.8	28.1	20.5	23.5	--		99.9
2026	*Dec*	--	--	--	18.5	18.1	20.5	23.5	--		80.7
2027	*Jan*	--	--	--	1.2	1.2	19.5	22.3	--		44.2
2027	*Feb*	--	--	--	--	--	19.5	22.3	--		41.8
2027	*Mar*	--	--	--	--	--	19.5	22.3	--		41.8
2027	Apr	--	--	--	--	--	19.2	21.9	--		41.1
2027	May	--	--	--	--	--	19.2	21.9	--		41.1
2027	Jun	--	--	--	--	--	14.0	21.9	--		35.9
2027	Jul	--	--	--	--	--	1.1	21.9	--		23.0
2027	Aug	--	--	--	--	--	--	21.9	--		21.9
2027	Sep	--	--	--	--	--	--	21.9	--		21.9
2027	*Oct*	--	--	--	--	--	--	22.3	--		22.3
2027	*Nov*	--	--	--	--	--	--	22.3	--		22.3
2027	*Dec*	--	--	--	--	--	--	22.3	--		22.3
2028	*Jan*	--	--	--	--	--	--	20.9	--		20.9
2028	*Feb*	--	--	--	--	--	--	20.9	--		20.9
2028	*Mar*	--	--	--	--	--	--	20.9	--		20.9
2028	Apr	--	--	--	--	--	--	20.5	--		20.5
2028	May	--	--	--	--	--	--	13.6	--		13.6
2028	Jun	--	--	--	--	--	--	13.6	--		13.6
2028	Jul	--	--	--	--	--	--	1.3	--		1.3
2028	Aug	--	--	--	--	--	--	1.3	--		1.3

Scenario 2 - Mitigated - Maximum Regional Daily NOx Emissions (lbs/day)											
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	Total Maximum Daily Emissions
2025	*Jan*	15.8	--	--	--	--	--	--	--		15.8
2025	*Feb*	15.8	--	--	--	--	--	--	--		15.8
2025	*Mar*	--	18.6	--	--	--	--	--	--		18.6
2025	Apr	--	6.8	4.4	--	--	--	--	--		11.2
2025	May	--	6.8	1.1	5.7	5.6	4.6	4.7	3.0	5.3	31.4
2025	Jun	--	--	1.1	12.4	11.1	6.2	8.9	1.4	5.3	41.0
2025	Jul	--	--	1.1	12.4	11.1	6.2	8.9	1.4	5.3	41.0
2025	Aug	--	--	1.1	12.4	11.1	6.2	8.9	1.4	5.3	41.0
2025	Sep	--	--	1.1	12.4	11.1	6.2	8.9	1.4	5.3	41.0
2025	*Oct*	--	--	1.1	12.9	11.6	6.4	9.3	1.4	5.5	42.8
2025	*Nov*	--	--	1.1	12.9	11.6	6.4	9.3	1.4	5.5	42.8
2025	*Dec*	--	--	1.1	12.9	11.6	6.4	9.3	1.4	5.5	42.8
2026	*Jan*	--	--	1.1	12.3	11.2	6.2	8.9	1.4	5.2	41.2
2026	*Feb*	--	--	1.1	12.3	11.2	6.2	8.9	1.4	5.2	41.2
2026	*Mar*	--	--	2.8	12.3	11.2	6.2	8.9	1.4	5.2	42.9
2026	Apr	--	--	--	11.8	10.7	6.0	8.5	2.8	5.1	39.8
2026	May	--	--	--	11.8	10.7	6.0	8.5	0.0	5.1	36.9
2026	Jun	--	--	--	11.8	10.7	6.0	8.5	--	5.1	36.9
2026	Jul	--	--	--	11.8	10.7	6.0	8.5	--	5.1	36.9
2026	Aug	--	--	--	11.8	10.7	6.0	8.5	--	3.0	36.9
2026	Sep	--	--	--	11.8	10.7	6.0	8.5	--	0.1	36.9
2026	*Oct*	--	--	--	12.3	11.2	6.2	8.9	--		38.7
2026	*Nov*	--	--	--	12.3	11.2	6.2	8.9	--		38.7
2026	*Dec*	--	--	--	7.1	5.3	6.2	8.9	--		27.5
2027	*Jan*	--	--	--	0.3	0.4	6.0	8.5	--		15.2
2027	*Feb*	--	--	--	--	--	6.0	8.5	--		14.5
2027	*Mar*	--	--	--	--	--	6.0	8.5	--		14.5
2027	Apr	--	--	--	--	--	5.7	8.1	--		13.8
2027	May	--	--	--	--	--	5.7	8.1	--		13.8
2027	Jun	--	--	--	--	--	4.3	8.1	--		12.4
2027	Jul	--	--	--	--	--	0.3	8.1	--		8.4
2027	Aug	--	--	--	--	--	--	8.1	--		8.1
2027	Sep	--	--	--	--	--	--	8.1	--		8.1
2027	*Oct*	--	--	--	--	--	--	8.5	--		8.5
2027	*Nov*	--	--	--	--	--	--	8.5	--		8.5
2027	*Dec*	--	--	--	--	--	--	8.5	--		8.5
2028	*Jan*	--	--	--	--	--	--	8.2	--		8.2
2028	*Feb*	--	--	--	--	--	--	8.2	--		8.2
2028	*Mar*	--	--	--	--	--	--	8.2	--		8.2
2028	Apr	--	--	--	--	--	--	7.7	--		7.7
2028	May	--	--	--	--	--	--	4.4	--		4.4
2028	Jun	--	--	--	--	--	--	4.4	--		4.4
2028	Jul	--	--	--	--	--	--	0.4	--		0.4
2028	Aug	--	--	--	--	--	--	0.4	--		0.4

Scenario 2 - Unmitigated - Maximum Regional Daily CO Emissions (lbs/day)											
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	Total Maximum Daily Emissions
2025	*Jan*	87.2	--	--	--	--	--	--	--		87.2
2025	*Feb*	87.2	--	--	--	--	--	--	--		87.2
2025	*Mar*	--	43.6	--	--	--	--	--	--		43.6
2025	Apr	--	29.4	13.2	--	--	--	--	--		42.6
2025	May	--	16.8	13.0	46.2	45.7	41.1	41.8	33.3	34.7	237.8
2025	Jun	--	--	13.0	62.6	65.9	52.8	77.9	14.8	25.6	286.9
2025	Jul	--	--	13.0	62.6	65.9	52.8	77.9	14.8	25.6	286.9
2025	Aug	--	--	13.0	62.6	65.9	52.8	77.9	14.8	25.6	286.9
2025	Sep	--	--	13.0	62.6	65.9	52.8	77.9	14.8	25.6	286.9
2025	*Oct*	--	--	12.8	47.8	49.6	39.6	54.4	14.6	21.6	218.8
2025	*Nov*	--	--	12.8	47.8	49.6	39.6	54.4	14.6	21.6	218.8
2025	*Dec*	--	--	12.8	47.8	49.6	39.6	54.4	14.6	21.6	218.8
2026	*Jan*	--	--	12.7	46.2	47.8	38.3	51.9	14.5	21.1	211.4
2026	*Feb*	--	--	12.7	46.2	47.8	38.3	51.9	14.5	21.1	211.4
2026	*Mar*	--	--	12.7	46.2	47.8	38.3	51.9	14.5	21.1	211.4
2026	Apr	--	--	--	60.1	63.0	50.7	73.9	14.6	24.8	262.2
2026	May	--	--	--	60.1	63.0	50.7	73.9	1.2	24.8	248.8
2026	Jun	--	--	--	60.1	63.0	50.7	73.9	--	24.8	247.5
2026	Jul	--	--	--	60.1	63.0	50.7	73.9	--	24.8	247.5
2026	Aug	--	--	--	60.1	63.0	50.7	73.9	--	14.2	247.5
2026	Sep	--	--	--	60.1	63.0	50.7	73.9	--	2.9	247.5
2026	*Oct*	--	--	--	46.2	47.8	38.3	51.9	--		184.3
2026	*Nov*	--	--	--	46.2	47.8	38.3	51.9	--		184.3
2026	*Dec*	--	--	--	24.5	24.0	38.3	51.9	--		138.7
2027	*Jan*	--	--	--	4.5	4.9	37.1	49.9	--		96.3
2027	*Feb*	--	--	--	--	--	37.1	49.9	--		86.9
2027	*Mar*	--	--	--	--	--	37.1	49.9	--		86.9
2027	Apr	--	--	--	--	--	48.5	70.2	--		118.8
2027	May	--	--	--	--	--	48.5	70.2	--		118.8
2027	Jun	--	--	--	--	--	20.4	70.2	--		90.6
2027	Jul	--	--	--	--	--	6.4	70.2	--		76.7
2027	Aug	--	--	--	--	--	--	70.2	--		70.2
2027	Sep	--	--	--	--	--	--	70.2	--		70.2
2027	*Oct*	--	--	--	--	--	--	49.9	--		49.9
2027	*Nov*	--	--	--	--	--	--	49.9	--		49.9
2027	*Dec*	--	--	--	--	--	--	49.9	--		49.9
2028	*Jan*	--	--	--	--	--	--	47.8	--		47.8
2028	*Feb*	--	--	--	--	--	--	47.8	--		47.8
2028	*Mar*	--	--	--	--	--	--	47.8	--		47.8
2028	Apr	--	--	--	--	--	--	67.1	--		67.1
2028	May	--	--	--	--	--	--	20.8	--		20.8
2028	Jun	--	--	--	--	--	--	20.8	--		20.8
2028	Jul	--	--	--	--	--	--	9.9	--		9.9
2028	Aug	--	--	--	--	--	--	9.9	--		9.9

Scenario 2 - Mitigated - Maximum Regional Daily CO Emissions (lbs/day)											
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	Total Maximum Daily Emissions
2025	*Jan*	157.7	--	--	--	--	--	--	--		157.7
2025	*Feb*	157.7	--	--	--	--	--	--	--		157.7
2025	*Mar*	--	57.4	--	--	--	--	--	--		57.4
2025	Apr	--	39.1	18.1	--	--	--	--	--		57.2
2025	May	--	20.9	10.3	60.2	59.2	49.5	50.9	33.0	36.1	283.9
2025	Jun	--	--	10.3	75.1	81.0	62.9	88.6	16.1	25.4	333.9
2025	Jul	--	--	10.3	75.1	81.0	62.9	88.6	16.1	25.4	333.9
2025	Aug	--	--	10.3	75.1	81.0	62.9	88.6	16.1	25.4	333.9
2025	Sep	--	--	10.3	75.1	81.0	62.9	88.6	16.1	25.4	333.9
2025	*Oct*	--	--	10.1	60.3	64.7	49.7	65.1	15.9	21.4	265.8
2025	*Nov*	--	--	10.1	60.3	64.7	49.7	65.1	15.9	21.4	265.8
2025	*Dec*	--	--	10.1	60.3	64.7	49.7	65.1	15.9	21.4	265.8
2026	*Jan*	--	--	10.1	58.7	63.0	48.4	62.7	15.9	21.0	258.8
2026	*Feb*	--	--	10.1	58.7	63.0	48.4	62.7	15.9	21.0	258.8
2026	*Mar*	--	--	11.0	58.7	63.0	48.4	62.7	15.9	21.0	259.7
2026	Apr	--	--	--	72.6	78.2	60.8	84.7	16.0	24.7	312.2
2026	May	--	--	--	72.6	78.2	60.8	84.7	0.1	24.7	296.2
2026	Jun	--	--	--	72.6	78.2	60.8	84.7	--	24.7	296.1
2026	Jul	--	--	--	72.6	78.2	60.8	84.7	--	24.7	296.1
2026	Aug	--	--	--	72.6	78.2	60.8	84.7	--	18.1	296.1
2026	Sep	--	--	--	72.6	78.2	60.8	84.7	--	1.7	296.1
2026	*Oct*	--	--	--	58.7	63.0	48.4	62.7	--		232.9
2026	*Nov*	--	--	--	58.7	63.0	48.4	62.7	--		232.9
2026	*Dec*	--	--	--	37.8	40.0	48.4	62.7	--		188.9
2027	*Jan*	--	--	--	3.4	3.7	47.3	60.7	--		115.0
2027	*Feb*	--	--	--	--	--	47.3	60.7	--		107.9
2027	*Mar*	--	--	--	--	--	47.3	60.7	--		107.9
2027	Apr	--	--	--	--	--	58.7	81.0	--		139.8
2027	May	--	--	--	--	--	58.7	81.0	--		139.8
2027	Jun	--	--	--	--	--	31.3	81.0	--		112.3
2027	Jul	--	--	--	--	--	5.3	81.0	--		86.3
2027	Aug	--	--	--	--	--	--	81.0	--		81.0
2027	Sep	--	--	--	--	--	--	81.0	--		81.0
2027	*Oct*	--	--	--	--	--	--	60.7	--		60.7
2027	*Nov*	--	--	--	--	--	--	60.7	--		60.7
2027	*Dec*	--	--	--	--	--	--	60.7	--		60.7
2028	*Jan*	--	--	--	--	--	--	58.7	--		58.7
2028	*Feb*	--	--	--	--	--	--	58.7	--		58.7
2028	*Mar*	--	--	--	--	--	--	58.7	--		58.7
2028	Apr	--	--	--	--	--	--	78.0	--		78.0
2028	May	--	--	--	--	--	--	32.5	--		32.5
2028	Jun	--	--	--	--	--	--	32.5	--		32.5
2028	Jul	--	--	--	--	--	--	8.8	--		8.8
2028	Aug	--	--	--	--	--	--	8.8	--		8.8

Scenario 2 - Unmitigated - Maximum Regional Daily SO2 Emissions (lbs/day)											
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	Total Maximum Daily Emissions
2025	*Jan*	0.3	--	--	--	--	--	--	--		0.3
2025	*Feb*	0.3	--	--	--	--	--	--	--		0.3
2025	*Mar*	--	0.2	--	--	--	--	--	--		0.2
2025	Apr	--	0.1	0.1	--	--	--	--	--		0.1
2025	May	--	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.5
2025	Jun	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.5
2025	Jul	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.4
2025	Aug	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.4
2025	Sep	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.4
2025	*Oct*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.4
2025	*Nov*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.4
2025	*Dec*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.4
2026	*Jan*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.4
2026	*Feb*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.4
2026	*Mar*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.4
2026	Apr	--	--	--	0.1	0.1	0.1	0.1	0.0	0.0	0.4
2026	May	--	--	--	0.1	0.1	0.1	0.1	0.0	0.0	0.4
2026	Jun	--	--	--	0.1	0.1	0.1	0.1	--	0.0	0.4
2026	Jul	--	--	--	0.1	0.1	0.1	0.1	--	0.0	0.4
2026	Aug	--	--	--	0.1	0.1	0.1	0.1	--	0.0	0.4
2026	Sep	--	--	--	0.1	0.1	0.1	0.1	--	0.0	0.4
2026	*Oct*	--	--	--	0.1	0.1	0.1	0.1	--		0.4
2026	*Nov*	--	--	--	0.1	0.1	0.1	0.1	--		0.4
2026	*Dec*	--	--	--	0.1	0.1	0.1	0.1	--		0.3
2027	*Jan*	--	--	--	0.0	0.0	0.1	0.1	--		0.2
2027	*Feb*	--	--	--	--	--	0.1	0.1	--		0.2
2027	*Mar*	--	--	--	--	--	0.1	0.1	--		0.2
2027	Apr	--	--	--	--	--	0.1	0.1	--		0.2
2027	May	--	--	--	--	--	0.1	0.1	--		0.2
2027	Jun	--	--	--	--	--	0.1	0.1	--		0.1
2027	Jul	--	--	--	--	--	0.0	0.1	--		0.1
2027	Aug	--	--	--	--	--	--	0.1	--		0.1
2027	Sep	--	--	--	--	--	--	0.1	--		0.1
2027	*Oct*	--	--	--	--	--	--	0.1	--		0.1
2027	*Nov*	--	--	--	--	--	--	0.1	--		0.1
2027	*Dec*	--	--	--	--	--	--	0.1	--		0.1
2028	*Jan*	--	--	--	--	--	--	0.1	--		0.1
2028	*Feb*	--	--	--	--	--	--	0.1	--		0.1
2028	*Mar*	--	--	--	--	--	--	0.1	--		0.1
2028	Apr	--	--	--	--	--	--	0.1	--		0.1
2028	May	--	--	--	--	--	--	0.1	--		0.1
2028	Jun	--	--	--	--	--	--	0.1	--		0.1
2028	Jul	--	--	--	--	--	--	0.0	--		0.0
2028	Aug	--	--	--	--	--	--	0.0	--		0.0

Scenario 2 - Mitigated - Maximum Regional Daily SO2 Emissions (lbs/day)											
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	Total Maximum Daily Emissions
2025	*Jan*	0.3	--	--	--	--	--	--	--		0.3
2025	*Feb*	0.3	--	--	--	--	--	--	--		0.3
2025	*Mar*	--	0.2	--	--	--	--	--	--		0.2
2025	Apr	--	0.1	0.1	--	--	--	--	--		0.1
2025	May	--	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.5
2025	Jun	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.4
2025	Jul	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.4
2025	Aug	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.4
2025	Sep	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.4
2025	*Oct*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.4
2025	*Nov*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.4
2025	*Dec*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.4
2026	*Jan*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.4
2026	*Feb*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.4
2026	*Mar*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.4
2026	Apr	--	--	--	0.1	0.1	0.1	0.1	0.0	0.0	0.4
2026	May	--	--	--	0.1	0.1	0.1	0.1	0.0	0.0	0.4
2026	Jun	--	--	--	0.1	0.1	0.1	0.1	--	0.0	0.4
2026	Jul	--	--	--	0.1	0.1	0.1	0.1	--	0.0	0.4
2026	Aug	--	--	--	0.1	0.1	0.1	0.1	--	0.0	0.4
2026	Sep	--	--	--	0.1	0.1	0.1	0.1	--	0.0	0.4
2026	*Oct*	--	--	--	0.1	0.1	0.1	0.1	--		0.4
2026	*Nov*	--	--	--	0.1	0.1	0.1	0.1	--		0.4
2026	*Dec*	--	--	--	0.1	0.1	0.1	0.1	--		0.3
2027	*Jan*	--	--	--	0.0	0.0	0.1	0.1	--		0.1
2027	*Feb*	--	--	--	--	--	0.1	0.1	--		0.1
2027	*Mar*	--	--	--	--	--	0.1	0.1	--		0.1
2027	Apr	--	--	--	--	--	0.1	0.1	--		0.1
2027	May	--	--	--	--	--	0.1	0.1	--		0.1
2027	Jun	--	--	--	--	--	0.1	0.1	--		0.1
2027	Jul	--	--	--	--	--	0.0	0.1	--		0.1
2027	Aug	--	--	--	--	--	--	0.1	--		0.1
2027	Sep	--	--	--	--	--	--	0.1	--		0.1
2027	*Oct*	--	--	--	--	--	--	0.1	--		0.1
2027	*Nov*	--	--	--	--	--	--	0.1	--		0.1
2027	*Dec*	--	--	--	--	--	--	0.1	--		0.1
2028	*Jan*	--	--	--	--	--	--	0.1	--		0.1
2028	*Feb*	--	--	--	--	--	--	0.1	--		0.1
2028	*Mar*	--	--	--	--	--	--	0.1	--		0.1
2028	Apr	--	--	--	--	--	--	0.1	--		0.1
2028	May	--	--	--	--	--	--	0.1	--		0.1
2028	Jun	--	--	--	--	--	--	0.1	--		0.1
2028	Jul	--	--	--	--	--	--	0.0	--		0.0
2028	Aug	--	--	--	--	--	--	0.0	--		0.0

Scenario 2 - Unmitigated - Maximum Regional Daily PM10 Exhaust Emissions (lbs/day)											
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	Total Maximum Daily Emissions
2025	*Jan*	3.0	--	--	--	--	--	--	--		3.0
2025	*Feb*	3.0	--	--	--	--	--	--	--		3.0
2025	*Mar*	--	1.6	--	--	--	--	--	--		1.6
2025	Apr	--	1.0	0.5	--	--	--	--	--		1.6
2025	May	--	0.5	0.4	1.8	1.8	1.6	1.7	1.4	1.5	9.2
2025	Jun	--	--	0.4	1.8	1.8	1.6	1.7	0.5	0.5	7.8
2025	Jul	--	--	0.4	0.9	0.9	0.7	0.8	0.5	0.5	4.2
2025	Aug	--	--	0.4	0.9	0.9	0.7	0.8	0.5	0.5	4.2
2025	Sep	--	--	0.4	0.9	0.9	0.7	0.8	0.5	0.5	4.2
2025	*Oct*	--	--	0.4	0.9	0.9	0.7	0.8	0.5	0.5	4.2
2025	*Nov*	--	--	0.4	0.9	0.9	0.7	0.8	0.5	0.5	4.2
2025	*Dec*	--	--	0.4	0.9	0.9	0.7	0.8	0.5	0.5	4.2
2026	*Jan*	--	--	0.4	0.8	0.8	0.7	0.7	0.4	0.5	3.8
2026	*Feb*	--	--	0.4	0.8	0.8	0.7	0.7	0.4	0.5	3.8
2026	*Mar*	--	--	0.4	0.8	0.8	0.7	0.7	0.4	0.5	3.8
2026	Apr	--	--	--	0.8	0.8	0.7	0.7	0.4	0.5	3.4
2026	May	--	--	--	0.8	0.8	0.7	0.7	0.0	0.5	3.0
2026	Jun	--	--	--	0.8	0.8	0.7	0.7	--	0.5	3.0
2026	Jul	--	--	--	0.8	0.8	0.7	0.7	--	0.5	3.0
2026	Aug	--	--	--	0.8	0.8	0.7	0.7	--	0.4	3.0
2026	Sep	--	--	--	0.8	0.8	0.7	0.7	--	0.0	3.0
2026	*Oct*	--	--	--	0.8	0.8	0.7	0.7	--		3.0
2026	*Nov*	--	--	--	0.8	0.8	0.7	0.7	--		3.0
2026	*Dec*	--	--	--	0.7	0.7	0.7	0.7	--		2.8
2027	*Jan*	--	--	--	0.0	0.0	0.6	0.6	--		1.3
2027	*Feb*	--	--	--	--	--	0.6	0.6	--		1.2
2027	*Mar*	--	--	--	--	--	0.6	0.6	--		1.2
2027	Apr	--	--	--	--	--	0.6	0.6	--		1.2
2027	May	--	--	--	--	--	0.6	0.6	--		1.2
2027	Jun	--	--	--	--	--	0.5	0.6	--		1.2
2027	Jul	--	--	--	--	--	0.0	0.6	--		0.7
2027	Aug	--	--	--	--	--	--	0.6	--		0.6
2027	Sep	--	--	--	--	--	--	0.6	--		0.6
2027	*Oct*	--	--	--	--	--	--	0.6	--		0.6
2027	*Nov*	--	--	--	--	--	--	0.6	--		0.6
2027	*Dec*	--	--	--	--	--	--	0.6	--		0.6
2028	*Jan*	--	--	--	--	--	--	0.6	--		0.6
2028	*Feb*	--	--	--	--	--	--	0.6	--		0.6
2028	*Mar*	--	--	--	--	--	--	0.6	--		0.6
2028	Apr	--	--	--	--	--	--	0.6	--		0.6
2028	May	--	--	--	--	--	--	0.5	--		0.5
2028	Jun	--	--	--	--	--	--	0.5	--		0.5
2028	Jul	--	--	--	--	--	--	0.0	--		0.0
2028	Aug	--	--	--	--	--	--	0.0	--		0.0

Scenario 2 - Mitigated - Maximum Regional Daily PM10 Exhaust Emissions (lbs/day)											
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	Total Maximum Daily Emissions
2025	*Jan*	0.6	--	--	--	--	--	--	--		0.6
2025	*Feb*	0.6	--	--	--	--	--	--	--		0.6
2025	*Mar*	--	0.5	--	--	--	--	--	--		0.5
2025	Apr	--	0.2	0.1	--	--	--	--	--		0.3
2025	May	--	0.2	0.0	0.2	0.2	0.2	0.2	0.1	0.2	1.1
2025	Jun	--	--	0.0	0.3	0.2	0.2	0.2	0.1	0.2	0.9
2025	Jul	--	--	0.0	0.3	0.2	0.1	0.2	0.1	0.2	0.9
2025	Aug	--	--	0.0	0.3	0.2	0.1	0.2	0.1	0.2	0.9
2025	Sep	--	--	0.0	0.3	0.2	0.1	0.2	0.1	0.2	0.9
2025	*Oct*	--	--	0.0	0.3	0.2	0.1	0.2	0.1	0.2	0.9
2025	*Nov*	--	--	0.0	0.3	0.2	0.1	0.2	0.1	0.2	0.9
2025	*Dec*	--	--	0.0	0.3	0.2	0.1	0.2	0.1	0.2	0.9
2026	*Jan*	--	--	0.0	0.3	0.2	0.1	0.2	0.1	0.1	0.9
2026	*Feb*	--	--	0.0	0.3	0.2	0.1	0.2	0.1	0.1	0.9
2026	*Mar*	--	--	0.1	0.3	0.2	0.1	0.2	0.1	0.1	0.9
2026	Apr	--	--	--	0.3	0.2	0.1	0.2	0.1	0.1	0.9
2026	May	--	--	--	0.3	0.2	0.1	0.2	0.0	0.1	0.8
2026	Jun	--	--	--	0.3	0.2	0.1	0.2	--	0.1	0.8
2026	Jul	--	--	--	0.3	0.2	0.1	0.2	--	0.1	0.8
2026	Aug	--	--	--	0.3	0.2	0.1	0.2	--	0.1	0.8
2026	Sep	--	--	--	0.3	0.2	0.1	0.2	--	0.0	0.8
2026	*Oct*	--	--	--	0.3	0.2	0.1	0.2	--		0.8
2026	*Nov*	--	--	--	0.3	0.2	0.1	0.2	--		0.8
2026	*Dec*	--	--	--	0.3	0.2	0.1	0.2	--		0.8
2027	*Jan*	--	--	--	0.0	0.0	0.1	0.2	--		0.3
2027	*Feb*	--	--	--	--	--	0.1	0.2	--		0.3
2027	*Mar*	--	--	--	--	--	0.1	0.2	--		0.3
2027	Apr	--	--	--	--	--	0.1	0.2	--		0.3
2027	May	--	--	--	--	--	0.2	0.2	--		0.3
2027	Jun	--	--	--	--	--	0.2	0.2	--		0.3
2027	Jul	--	--	--	--	--	0.0	0.2	--		0.2
2027	Aug	--	--	--	--	--	--	0.2	--		0.2
2027	Sep	--	--	--	--	--	--	0.2	--		0.2
2027	*Oct*	--	--	--	--	--	--	0.2	--		0.2
2027	*Nov*	--	--	--	--	--	--	0.2	--		0.2
2027	*Dec*	--	--	--	--	--	--	0.2	--		0.2
2028	*Jan*	--	--	--	--	--	--	0.2	--		0.2
2028	*Feb*	--	--	--	--	--	--	0.2	--		0.2
2028	*Mar*	--	--	--	--	--	--	0.2	--		0.2
2028	Apr	--	--	--	--	--	--	0.2	--		0.2
2028	May	--	--	--	--	--	--	0.2	--		0.2
2028	Jun	--	--	--	--	--	--	0.2	--		0.2
2028	Jul	--	--	--	--	--	--	0.0	--		0.0
2028	Aug	--	--	--	--	--	--	0.0	--		0.0

Scenario 2 - Unmitigated - Maximum Regional Daily PM10 Dust Emissions (lbs/day)											
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	Total Maximum Daily Emissions
2025	*Jan*	56.9	--	--	--	--	--	--	--		56.9
2025	*Feb*	3.4	--	--	--	--	--	--	--		3.4
2025	*Mar*	--	57.8	--	--	--	--	--	--		57.8
2025	Apr	--	1.1	42.6	--	--	--	--	--		43.7
2025	May	--	0.8	0.1	13.7	13.7	12.2	13.0	10.8	10.8	64.3
2025	Jun	--	--	0.1	13.7	13.7	12.2	13.0	0.1	1.6	52.7
2025	Jul	--	--	0.1	5.9	6.5	4.6	8.2	0.1	1.6	25.5
2025	Aug	--	--	0.1	5.9	6.5	4.6	8.2	0.1	1.6	25.5
2025	Sep	--	--	0.1	5.9	6.5	4.6	8.2	0.1	1.6	25.5
2025	*Oct*	--	--	0.1	5.9	6.5	4.6	8.2	0.1	1.6	25.5
2025	*Nov*	--	--	0.1	5.9	6.5	4.6	8.2	0.1	1.6	25.5
2025	*Dec*	--	--	0.1	5.9	6.5	4.6	8.2	0.1	1.6	25.5
2026	*Jan*	--	--	0.1	5.9	6.5	4.6	8.2	0.1	1.6	25.5
2026	*Feb*	--	--	0.1	5.9	6.5	4.6	8.2	0.1	1.6	25.5
2026	*Mar*	--	--	0.2	5.9	6.5	4.6	8.2	0.1	1.6	25.6
2026	Apr	--	--	--	5.9	6.5	4.6	8.2	0.3	1.6	25.6
2026	May	--	--	--	5.9	6.5	4.6	8.2	0.0	1.6	25.3
2026	Jun	--	--	--	5.9	6.5	4.6	8.2	--	1.6	25.3
2026	Jul	--	--	--	5.9	6.5	4.6	8.2	--	1.6	25.3
2026	Aug	--	--	--	5.9	6.5	4.6	8.2	--	0.3	25.3
2026	Sep	--	--	--	5.9	6.5	4.6	8.2	--	0.3	25.3
2026	*Oct*	--	--	--	5.9	6.5	4.6	8.2	--		25.3
2026	*Nov*	--	--	--	5.9	6.5	4.6	8.2	--		25.3
2026	*Dec*	--	--	--	0.9	1.0	4.6	8.2	--		14.8
2027	*Jan*	--	--	--	0.9	1.0	4.6	8.2	--		14.8
2027	*Feb*	--	--	--	--	--	4.6	8.2	--		12.8
2027	*Mar*	--	--	--	--	--	4.6	8.2	--		12.8
2027	Apr	--	--	--	--	--	4.6	8.2	--		12.8
2027	May	--	--	--	--	--	4.6	8.2	--		12.8
2027	Jun	--	--	--	--	--	0.8	8.2	--		9.0
2027	Jul	--	--	--	--	--	0.8	8.2	--		9.0
2027	Aug	--	--	--	--	--	--	8.2	--		8.2
2027	Sep	--	--	--	--	--	--	8.2	--		8.2
2027	*Oct*	--	--	--	--	--	--	8.2	--		8.2
2027	*Nov*	--	--	--	--	--	--	8.2	--		8.2
2027	*Dec*	--	--	--	--	--	--	8.2	--		8.2
2028	*Jan*	--	--	--	--	--	--	8.2	--		8.2
2028	*Feb*	--	--	--	--	--	--	8.2	--		8.2
2028	*Mar*	--	--	--	--	--	--	8.2	--		8.2
2028	Apr	--	--	--	--	--	--	8.2	--		8.2
2028	May	--	--	--	--	--	--	0.3	--		0.3
2028	Jun	--	--	--	--	--	--	1.5	--		1.5
2028	Jul	--	--	--	--	--	--	1.5	--		1.5
2028	Aug	--	--	--	--	--	--	1.5	--		1.5

Scenario 2 - Mitigated - Maximum Regional Daily PM10 Dust Emissions (lbs/day)											
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	Total Maximum Daily Emissions
2025	*Jan*	56.9	--	--	--	--	--	--	--		56.9
2025	*Feb*	3.4	--	--	--	--	--	--	--		3.4
2025	*Mar*	--	57.8	--	--	--	--	--	--		57.8
2025	Apr	--	1.1	42.6	--	--	--	--	--		43.7
2025	May	--	0.8	0.1	13.7	13.7	12.2	13.0	10.8	10.8	64.3
2025	Jun	--	--	0.1	13.7	13.7	12.2	13.0	0.1	1.6	52.7
2025	Jul	--	--	0.1	5.9	6.5	4.6	8.2	0.1	1.6	25.5
2025	Aug	--	--	0.1	5.9	6.5	4.6	8.2	0.1	1.6	25.5
2025	Sep	--	--	0.1	5.9	6.5	4.6	8.2	0.1	1.6	25.5
2025	*Oct*	--	--	0.1	5.9	6.5	4.6	8.2	0.1	1.6	25.5
2025	*Nov*	--	--	0.1	5.9	6.5	4.6	8.2	0.1	1.6	25.5
2025	*Dec*	--	--	0.1	5.9	6.5	4.6	8.2	0.1	1.6	25.5
2026	*Jan*	--	--	0.1	5.9	6.5	4.6	8.2	0.1	1.6	25.5
2026	*Feb*	--	--	0.1	5.9	6.5	4.6	8.2	0.1	1.6	25.5
2026	*Mar*	--	--	0.2	5.9	6.5	4.6	8.2	0.1	1.6	25.6
2026	Apr	--	--	--	5.9	6.5	4.6	8.2	0.3	1.6	25.6
2026	May	--	--	--	5.9	6.5	4.6	8.2	0.0	1.6	25.3
2026	Jun	--	--	--	5.9	6.5	4.6	8.2	--	1.6	25.3
2026	Jul	--	--	--	5.9	6.5	4.6	8.2	--	1.6	25.3
2026	Aug	--	--	--	5.9	6.5	4.6	8.2	--	0.3	25.3
2026	Sep	--	--	--	5.9	6.5	4.6	8.2	--	0.3	25.3
2026	*Oct*	--	--	--	5.9	6.5	4.6	8.2	--		25.3
2026	*Nov*	--	--	--	5.9	6.5	4.6	8.2	--		25.3
2026	*Dec*	--	--	--	0.9	1.0	4.6	8.2	--		14.8
2027	*Jan*	--	--	--	0.9	1.0	4.6	8.2	--		14.8
2027	*Feb*	--	--	--	--	--	4.6	8.2	--		12.8
2027	*Mar*	--	--	--	--	--	4.6	8.2	--		12.8
2027	Apr	--	--	--	--	--	4.6	8.2	--		12.8
2027	May	--	--	--	--	--	4.6	8.2	--		12.8
2027	Jun	--	--	--	--	--	0.8	8.2	--		9.0
2027	Jul	--	--	--	--	--	0.8	8.2	--		9.0
2027	Aug	--	--	--	--	--	--	8.2	--		8.2
2027	Sep	--	--	--	--	--	--	8.2	--		8.2
2027	*Oct*	--	--	--	--	--	--	8.2	--		8.2
2027	*Nov*	--	--	--	--	--	--	8.2	--		8.2
2027	*Dec*	--	--	--	--	--	--	8.2	--		8.2
2028	*Jan*	--	--	--	--	--	--	8.2	--		8.2
2028	*Feb*	--	--	--	--	--	--	8.2	--		8.2
2028	*Mar*	--	--	--	--	--	--	8.2	--		8.2
2028	Apr	--	--	--	--	--	--	8.2	--		8.2
2028	May	--	--	--	--	--	--	0.3	--		0.3
2028	Jun	--	--	--	--	--	--	1.5	--		1.5
2028	Jul	--	--	--	--	--	--	1.5	--		1.5
2028	Aug	--	--	--	--	--	--	1.5	--		1.5

Scenario 2 - Unmitigated - Maximum Regional Daily PM10 Total Emissions (lbs/day)											
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	Total Maximum Daily Emissions
2025	*Jan*	59.9	--	--	--	--	--	--	--		59.9
2025	*Feb*	6.4	--	--	--	--	--	--	--		6.4
2025	*Mar*	--	59.4	--	--	--	--	--	--		59.4
2025	Apr	--	2.1	43.1	--	--	--	--	--		45.2
2025	May	--	1.3	0.5	15.5	15.5	13.9	14.6	12.2	12.3	73.5
2025	Jun	--	--	0.5	15.5	15.5	13.9	14.6	0.6	2.2	60.5
2025	Jul	--	--	0.5	6.9	7.5	5.3	9.0	0.6	2.2	29.7
2025	Aug	--	--	0.5	6.9	7.5	5.3	9.0	0.6	2.2	29.7
2025	Sep	--	--	0.5	6.9	7.5	5.3	9.0	0.6	2.2	29.7
2025	*Oct*	--	--	0.5	6.9	7.5	5.3	9.0	0.6	2.2	29.7
2025	*Nov*	--	--	0.5	6.9	7.5	5.3	9.0	0.6	2.2	29.7
2025	*Dec*	--	--	0.5	6.9	7.5	5.3	9.0	0.6	2.2	29.7
2026	*Jan*	--	--	0.5	6.8	7.4	5.3	8.9	0.5	2.1	29.3
2026	*Feb*	--	--	0.5	6.8	7.4	5.3	8.9	0.5	2.1	29.3
2026	*Mar*	--	--	0.5	6.8	7.4	5.3	8.9	0.5	2.1	29.3
2026	Apr	--	--	--	6.8	7.4	5.3	8.9	0.6	2.1	28.9
2026	May	--	--	--	6.8	7.4	5.3	8.9	0.0	2.1	28.3
2026	Jun	--	--	--	6.8	7.4	5.3	8.9	--	2.1	28.3
2026	Jul	--	--	--	6.8	7.4	5.3	8.9	--	2.1	28.3
2026	Aug	--	--	--	6.8	7.4	5.3	8.9	--	0.6	28.3
2026	Sep	--	--	--	6.8	7.4	5.3	8.9	--	0.3	28.3
2026	*Oct*	--	--	--	6.8	7.4	5.3	8.9	--		28.3
2026	*Nov*	--	--	--	6.8	7.4	5.3	8.9	--		28.3
2026	*Dec*	--	--	--	1.1	1.1	5.3	8.9	--		16.3
2027	*Jan*	--	--	--	1.0	1.1	5.2	8.8	--		16.1
2027	*Feb*	--	--	--	--	--	5.2	8.8	--		14.0
2027	*Mar*	--	--	--	--	--	5.2	8.8	--		14.0
2027	Apr	--	--	--	--	--	5.2	8.8	--		14.0
2027	May	--	--	--	--	--	5.2	8.8	--		14.0
2027	Jun	--	--	--	--	--	0.9	8.8	--		9.7
2027	Jul	--	--	--	--	--	0.9	8.8	--		9.7
2027	Aug	--	--	--	--	--	--	8.8	--		8.8
2027	Sep	--	--	--	--	--	--	8.8	--		8.8
2027	*Oct*	--	--	--	--	--	--	8.8	--		8.8
2027	*Nov*	--	--	--	--	--	--	8.8	--		8.8
2027	*Dec*	--	--	--	--	--	--	8.8	--		8.8
2028	*Jan*	--	--	--	--	--	--	8.8	--		8.8
2028	*Feb*	--	--	--	--	--	--	8.8	--		8.8
2028	*Mar*	--	--	--	--	--	--	8.8	--		8.8
2028	Apr	--	--	--	--	--	--	8.8	--		8.8
2028	May	--	--	--	--	--	--	0.8	--		0.8
2028	Jun	--	--	--	--	--	--	1.5	--		1.5
2028	Jul	--	--	--	--	--	--	1.5	--		1.5
2028	Aug	--	--	--	--	--	--	1.5	--		1.5

Scenario 2 - Mitigated - Maximum Regional Daily PM10 Total Emissions (lbs/day)											
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	Total Maximum Daily Emissions
2025	*Jan*	57.4	--	--	--	--	--	--	--		57.4
2025	*Feb*	4.0	--	--	--	--	--	--	--		4.0
2025	*Mar*	--	58.2	--	--	--	--	--	--		58.2
2025	Apr	--	1.2	42.7	--	--	--	--	--		43.9
2025	May	--	1.1	0.1	13.9	13.9	12.4	13.1	10.9	10.9	65.4
2025	Jun	--	--	0.1	13.9	13.9	12.4	13.1	0.1	1.8	53.6
2025	Jul	--	--	0.1	6.2	6.8	4.7	8.4	0.1	1.8	26.3
2025	Aug	--	--	0.1	6.2	6.8	4.7	8.4	0.1	1.8	26.3
2025	Sep	--	--	0.1	6.2	6.8	4.7	8.4	0.1	1.8	26.3
2025	*Oct*	--	--	0.1	6.2	6.8	4.7	8.4	0.1	1.8	26.3
2025	*Nov*	--	--	0.1	6.2	6.8	4.7	8.4	0.1	1.8	26.3
2025	*Dec*	--	--	0.1	6.2	6.8	4.7	8.4	0.1	1.8	26.3
2026	*Jan*	--	--	0.1	6.2	6.8	4.7	8.4	0.1	1.8	26.3
2026	*Feb*	--	--	0.1	6.2	6.8	4.7	8.4	0.1	1.8	26.3
2026	*Mar*	--	--	0.3	6.2	6.8	4.7	8.4	0.1	1.8	26.5
2026	Apr	--	--	--	6.2	6.8	4.7	8.4	0.4	1.8	26.4
2026	May	--	--	--	6.2	6.8	4.7	8.4	0.0	1.8	26.1
2026	Jun	--	--	--	6.2	6.8	4.7	8.4	--	1.8	26.0
2026	Jul	--	--	--	6.2	6.8	4.7	8.4	--	1.8	26.0
2026	Aug	--	--	--	6.2	6.8	4.7	8.4	--	0.4	26.0
2026	Sep	--	--	--	6.2	6.8	4.7	8.4	--	0.3	26.0
2026	*Oct*	--	--	--	6.2	6.8	4.7	8.4	--		26.0
2026	*Nov*	--	--	--	6.2	6.8	4.7	8.4	--		26.0
2026	*Dec*	--	--	--	0.9	1.0	4.7	8.4	--		15.1
2027	*Jan*	--	--	--	0.9	1.0	4.7	8.4	--		15.1
2027	*Feb*	--	--	--	--	--	4.7	8.4	--		13.1
2027	*Mar*	--	--	--	--	--	4.7	8.4	--		13.1
2027	Apr	--	--	--	--	--	4.7	8.4	--		13.1
2027	May	--	--	--	--	--	4.7	8.4	--		13.1
2027	Jun	--	--	--	--	--	0.8	8.4	--		9.2
2027	Jul	--	--	--	--	--	0.8	8.4	--		9.2
2027	Aug	--	--	--	--	--	--	8.4	--		8.4
2027	Sep	--	--	--	--	--	--	8.4	--		8.4
2027	*Oct*	--	--	--	--	--	--	8.4	--		8.4
2027	*Nov*	--	--	--	--	--	--	8.4	--		8.4
2027	*Dec*	--	--	--	--	--	--	8.4	--		8.4
2028	*Jan*	--	--	--	--	--	--	8.4	--		8.4
2028	*Feb*	--	--	--	--	--	--	8.4	--		8.4
2028	*Mar*	--	--	--	--	--	--	8.4	--		8.4
2028	Apr	--	--	--	--	--	--	8.4	--		8.4
2028	May	--	--	--	--	--	--	0.5	--		0.5
2028	Jun	--	--	--	--	--	--	1.5	--		1.5
2028	Jul	--	--	--	--	--	--	1.5	--		1.5
2028	Aug	--	--	--	--	--	--	1.5	--		1.5

Scenario 2 - Unmitigated - Maximum Regional Daily PM2.5 Exhaust Emissions (lbs/day)											
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	Total Maximum Daily Emissions
2025	*Jan*	2.8	--	--	--	--	--	--	--		2.8
2025	*Feb*	2.7	--	--	--	--	--	--	--		2.7
2025	*Mar*	--	1.5	--	--	--	--	--	--		1.5
2025	Apr	--	0.9	0.5	--	--	--	--	--		1.4
2025	May	--	0.4	0.4	1.7	1.6	1.5	1.5	1.3	1.3	8.5
2025	Jun	--	--	0.4	1.7	1.6	1.5	1.5	0.4	0.5	7.2
2025	Jul	--	--	0.4	0.9	0.9	0.7	0.7	0.4	0.5	3.9
2025	Aug	--	--	0.4	0.9	0.9	0.7	0.7	0.4	0.5	3.9
2025	Sep	--	--	0.4	0.9	0.9	0.7	0.7	0.4	0.5	3.9
2025	*Oct*	--	--	0.4	0.9	0.9	0.7	0.7	0.4	0.5	3.9
2025	*Nov*	--	--	0.4	0.9	0.9	0.7	0.7	0.4	0.5	3.9
2025	*Dec*	--	--	0.4	0.9	0.9	0.7	0.7	0.4	0.5	3.9
2026	*Jan*	--	--	0.4	0.8	0.8	0.6	0.6	0.4	0.4	3.5
2026	*Feb*	--	--	0.4	0.8	0.8	0.6	0.6	0.4	0.4	3.5
2026	*Mar*	--	--	0.4	0.8	0.8	0.6	0.6	0.4	0.4	3.5
2026	Apr	--	--	--	0.8	0.8	0.6	0.6	0.4	0.4	3.2
2026	May	--	--	--	0.8	0.8	0.6	0.6	0.0	0.4	2.8
2026	Jun	--	--	--	0.8	0.8	0.6	0.6	--	0.4	2.8
2026	Jul	--	--	--	0.8	0.8	0.6	0.6	--	0.4	2.8
2026	Aug	--	--	--	0.8	0.8	0.6	0.6	--	0.4	2.8
2026	Sep	--	--	--	0.8	0.8	0.6	0.6	--	0.0	2.8
2026	*Oct*	--	--	--	0.8	0.8	0.6	0.6	--		2.8
2026	*Nov*	--	--	--	0.8	0.8	0.6	0.6	--		2.8
2026	*Dec*	--	--	--	0.7	0.7	0.6	0.6	--		2.6
2027	*Jan*	--	--	--	0.0	0.0	0.6	0.6	--		1.2
2027	*Feb*	--	--	--	--	--	0.6	0.6	--		1.2
2027	*Mar*	--	--	--	--	--	0.6	0.6	--		1.2
2027	Apr	--	--	--	--	--	0.6	0.6	--		1.2
2027	May	--	--	--	--	--	0.6	0.6	--		1.2
2027	Jun	--	--	--	--	--	0.5	0.6	--		1.1
2027	Jul	--	--	--	--	--	0.0	0.6	--		0.6
2027	Aug	--	--	--	--	--	--	0.6	--		0.6
2027	Sep	--	--	--	--	--	--	0.6	--		0.6
2027	*Oct*	--	--	--	--	--	--	0.6	--		0.6
2027	*Nov*	--	--	--	--	--	--	0.6	--		0.6
2027	*Dec*	--	--	--	--	--	--	0.6	--		0.6
2028	*Jan*	--	--	--	--	--	--	0.5	--		0.5
2028	*Feb*	--	--	--	--	--	--	0.5	--		0.5
2028	*Mar*	--	--	--	--	--	--	0.5	--		0.5
2028	Apr	--	--	--	--	--	--	0.5	--		0.5
2028	May	--	--	--	--	--	--	0.5	--		0.5
2028	Jun	--	--	--	--	--	--	0.5	--		0.5
2028	Jul	--	--	--	--	--	--	0.0	--		0.0
2028	Aug	--	--	--	--	--	--	0.0	--		0.0

Scenario 2 - Mitigated - Maximum Regional Daily PM2.5 Exhaust Emissions (lbs/day)											
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	Total Maximum Daily Emissions
2025	*Jan*	0.6	--	--	--	--	--	--	--		0.6
2025	*Feb*	0.6	--	--	--	--	--	--	--		0.6
2025	*Mar*	--	0.4	--	--	--	--	--	--		0.4
2025	Apr	--	0.2	0.1	--	--	--	--	--		0.3
2025	May	--	0.2	0.0	0.2	0.2	0.2	0.2	0.1	0.1	1.1
2025	Jun	--	--	0.0	0.3	0.2	0.2	0.2	0.1	0.1	0.9
2025	Jul	--	--	0.0	0.3	0.2	0.1	0.2	0.1	0.1	0.9
2025	Aug	--	--	0.0	0.3	0.2	0.1	0.2	0.1	0.1	0.9
2025	Sep	--	--	0.0	0.3	0.2	0.1	0.2	0.1	0.1	0.9
2025	*Oct*	--	--	0.0	0.3	0.2	0.1	0.2	0.1	0.1	0.9
2025	*Nov*	--	--	0.0	0.3	0.2	0.1	0.2	0.1	0.1	0.9
2025	*Dec*	--	--	0.0	0.3	0.2	0.1	0.2	0.1	0.1	0.9
2026	*Jan*	--	--	0.0	0.3	0.2	0.1	0.2	0.1	0.1	0.9
2026	*Feb*	--	--	0.0	0.3	0.2	0.1	0.2	0.1	0.1	0.9
2026	*Mar*	--	--	0.1	0.3	0.2	0.1	0.2	0.1	0.1	0.9
2026	Apr	--	--	--	0.3	0.2	0.1	0.2	0.1	0.1	0.9
2026	May	--	--	--	0.3	0.2	0.1	0.2	0.0	0.1	0.8
2026	Jun	--	--	--	0.3	0.2	0.1	0.2	--	0.1	0.8
2026	Jul	--	--	--	0.3	0.2	0.1	0.2	--	0.1	0.8
2026	Aug	--	--	--	0.3	0.2	0.1	0.2	--	0.1	0.8
2026	Sep	--	--	--	0.3	0.2	0.1	0.2	--	0.0	0.8
2026	*Oct*	--	--	--	0.3	0.2	0.1	0.2	--		0.8
2026	*Nov*	--	--	--	0.3	0.2	0.1	0.2	--		0.8
2026	*Dec*	--	--	--	0.3	0.2	0.1	0.2	--		0.7
2027	*Jan*	--	--	--	0.0	0.0	0.1	0.2	--		0.3
2027	*Feb*	--	--	--	--	--	0.1	0.2	--		0.3
2027	*Mar*	--	--	--	--	--	0.1	0.2	--		0.3
2027	Apr	--	--	--	--	--	0.1	0.2	--		0.3
2027	May	--	--	--	--	--	0.2	0.2	--		0.3
2027	Jun	--	--	--	--	--	0.2	0.2	--		0.3
2027	Jul	--	--	--	--	--	0.0	0.2	--		0.2
2027	Aug	--	--	--	--	--	--	0.2	--		0.2
2027	Sep	--	--	--	--	--	--	0.2	--		0.2
2027	*Oct*	--	--	--	--	--	--	0.2	--		0.2
2027	*Nov*	--	--	--	--	--	--	0.2	--		0.2
2027	*Dec*	--	--	--	--	--	--	0.2	--		0.2
2028	*Jan*	--	--	--	--	--	--	0.2	--		0.2
2028	*Feb*	--	--	--	--	--	--	0.2	--		0.2
2028	*Mar*	--	--	--	--	--	--	0.2	--		0.2
2028	Apr	--	--	--	--	--	--	0.2	--		0.2
2028	May	--	--	--	--	--	--	0.2	--		0.2
2028	Jun	--	--	--	--	--	--	0.2	--		0.2
2028	Jul	--	--	--	--	--	--	0.0	--		0.0
2028	Aug	--	--	--	--	--	--	0.0	--		0.0

Scenario 2 - Unmitigated - Maximum Regional Daily PM2.5 Dust Emissions (lbs/day)											
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	Total Maximum Daily Emissions
2025	*Jan*	7.9	--	--	--	--	--	--	--		7.9
2025	*Feb*	1.2	--	--	--	--	--	--	--		1.2
2025	*Mar*	--	6.3	--	--	--	--	--	--		6.3
2025	Apr	--	0.2	4.4	--	--	--	--	--		4.6
2025	May	--	0.2	0.0	3.5	3.5	3.4	3.5	3.2	3.2	17.4
2025	Jun	--	--	0.0	3.5	3.5	3.4	3.5	0.0	0.4	14.0
2025	Jul	--	--	0.0	1.4	1.6	1.1	2.0	0.0	0.4	6.1
2025	Aug	--	--	0.0	1.4	1.6	1.1	2.0	0.0	0.4	6.1
2025	Sep	--	--	0.0	1.4	1.6	1.1	2.0	0.0	0.4	6.1
2025	*Oct*	--	--	0.0	1.4	1.6	1.1	2.0	0.0	0.4	6.1
2025	*Nov*	--	--	0.0	1.4	1.6	1.1	2.0	0.0	0.4	6.1
2025	*Dec*	--	--	0.0	1.4	1.6	1.1	2.0	0.0	0.4	6.1
2026	*Jan*	--	--	0.0	1.4	1.6	1.1	2.0	0.0	0.4	6.1
2026	*Feb*	--	--	0.0	1.4	1.6	1.1	2.0	0.0	0.4	6.1
2026	*Mar*	--	--	0.1	1.4	1.6	1.1	2.0	0.0	0.4	6.1
2026	Apr	--	--	--	1.4	1.6	1.1	2.0	0.1	0.4	6.1
2026	May	--	--	--	1.4	1.6	1.1	2.0	0.0	0.4	6.1
2026	Jun	--	--	--	1.4	1.6	1.1	2.0	--	0.4	6.1
2026	Jul	--	--	--	1.4	1.6	1.1	2.0	--	0.4	6.1
2026	Aug	--	--	--	1.4	1.6	1.1	2.0	--	0.1	6.1
2026	Sep	--	--	--	1.4	1.6	1.1	2.0	--	0.1	6.1
2026	*Oct*	--	--	--	1.4	1.6	1.1	2.0	--		6.1
2026	*Nov*	--	--	--	1.4	1.6	1.1	2.0	--		6.1
2026	*Dec*	--	--	--	0.2	0.2	1.1	2.0	--		3.5
2027	*Jan*	--	--	--	0.2	0.2	1.1	2.0	--		3.5
2027	*Feb*	--	--	--	--	--	1.1	2.0	--		3.0
2027	*Mar*	--	--	--	--	--	1.1	2.0	--		3.0
2027	Apr	--	--	--	--	--	1.1	2.0	--		3.0
2027	May	--	--	--	--	--	1.1	2.0	--		3.0
2027	Jun	--	--	--	--	--	0.2	2.0	--		2.2
2027	Jul	--	--	--	--	--	0.2	2.0	--		2.2
2027	Aug	--	--	--	--	--	--	2.0	--		2.0
2027	Sep	--	--	--	--	--	--	2.0	--		2.0
2027	*Oct*	--	--	--	--	--	--	2.0	--		2.0
2027	*Nov*	--	--	--	--	--	--	2.0	--		2.0
2027	*Dec*	--	--	--	--	--	--	2.0	--		2.0
2028	*Jan*	--	--	--	--	--	--	2.0	--		2.0
2028	*Feb*	--	--	--	--	--	--	2.0	--		2.0
2028	*Mar*	--	--	--	--	--	--	2.0	--		2.0
2028	Apr	--	--	--	--	--	--	2.0	--		2.0
2028	May	--	--	--	--	--	--	0.1	--		0.1
2028	Jun	--	--	--	--	--	--	0.4	--		0.4
2028	Jul	--	--	--	--	--	--	0.4	--		0.4
2028	Aug	--	--	--	--	--	--	0.4	--		0.4

Scenario 2 - Mitigated - Maximum Regional Daily PM2.5 Dust Emissions (lbs/day)											
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	Total Maximum Daily Emissions
2025	*Jan*	7.9	--	--	--	--	--	--	--		7.9
2025	*Feb*	1.2	--	--	--	--	--	--	--		1.2
2025	*Mar*	--	6.3	--	--	--	--	--	--		6.3
2025	Apr	--	0.2	4.4	--	--	--	--	--		4.6
2025	May	--	0.2	0.0	3.5	3.5	3.4	3.5	3.2	3.2	17.4
2025	Jun	--	--	0.0	3.5	3.5	3.4	3.5	0.0	0.4	14.0
2025	Jul	--	--	0.0	1.4	1.6	1.1	2.0	0.0	0.4	6.1
2025	Aug	--	--	0.0	1.4	1.6	1.1	2.0	0.0	0.4	6.1
2025	Sep	--	--	0.0	1.4	1.6	1.1	2.0	0.0	0.4	6.1
2025	*Oct*	--	--	0.0	1.4	1.6	1.1	2.0	0.0	0.4	6.1
2025	*Nov*	--	--	0.0	1.4	1.6	1.1	2.0	0.0	0.4	6.1
2025	*Dec*	--	--	0.0	1.4	1.6	1.1	2.0	0.0	0.4	6.1
2026	*Jan*	--	--	0.0	1.4	1.6	1.1	2.0	0.0	0.4	6.1
2026	*Feb*	--	--	0.0	1.4	1.6	1.1	2.0	0.0	0.4	6.1
2026	*Mar*	--	--	0.1	1.4	1.6	1.1	2.0	0.0	0.4	6.1
2026	Apr	--	--	--	1.4	1.6	1.1	2.0	0.1	0.4	6.1
2026	May	--	--	--	1.4	1.6	1.1	2.0	0.0	0.4	6.1
2026	Jun	--	--	--	1.4	1.6	1.1	2.0	--	0.4	6.1
2026	Jul	--	--	--	1.4	1.6	1.1	2.0	--	0.4	6.1
2026	Aug	--	--	--	1.4	1.6	1.1	2.0	--	0.1	6.1
2026	Sep	--	--	--	1.4	1.6	1.1	2.0	--	0.1	6.1
2026	*Oct*	--	--	--	1.4	1.6	1.1	2.0	--		6.1
2026	*Nov*	--	--	--	1.4	1.6	1.1	2.0	--		6.1
2026	*Dec*	--	--	--	0.2	0.2	1.1	2.0	--		3.5
2027	*Jan*	--	--	--	0.2	0.2	1.1	2.0	--		3.5
2027	*Feb*	--	--	--	--	--	1.1	2.0	--		3.0
2027	*Mar*	--	--	--	--	--	1.1	2.0	--		3.0
2027	Apr	--	--	--	--	--	1.1	2.0	--		3.0
2027	May	--	--	--	--	--	1.1	2.0	--		3.0
2027	Jun	--	--	--	--	--	0.2	2.0	--		2.2
2027	Jul	--	--	--	--	--	0.2	2.0	--		2.2
2027	Aug	--	--	--	--	--	--	2.0	--		2.0
2027	Sep	--	--	--	--	--	--	2.0	--		2.0
2027	*Oct*	--	--	--	--	--	--	2.0	--		2.0
2027	*Nov*	--	--	--	--	--	--	2.0	--		2.0
2027	*Dec*	--	--	--	--	--	--	2.0	--		2.0
2028	*Jan*	--	--	--	--	--	--	2.0	--		2.0
2028	*Feb*	--	--	--	--	--	--	2.0	--		2.0
2028	*Mar*	--	--	--	--	--	--	2.0	--		2.0
2028	Apr	--	--	--	--	--	--	2.0	--		2.0
2028	May	--	--	--	--	--	--	0.1	--		0.1
2028	Jun	--	--	--	--	--	--	0.4	--		0.4
2028	Jul	--	--	--	--	--	--	0.4	--		0.4
2028	Aug	--	--	--	--	--	--	0.4	--		0.4

Scenario 2 - Unmitigated - Maximum Regional Daily PM2.5 Total Exhaust Emissions (lbs/day)											
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	Total Maximum Daily Emissions
2025	*Jan*	10.7	--	--	--	--	--	--	--		10.7
2025	*Feb*	3.9	--	--	--	--	--	--	--		3.9
2025	*Mar*	--	7.8	--	--	--	--	--	--		7.8
2025	Apr	--	1.1	4.9	--	--	--	--	--		6.0
2025	May	--	0.7	0.4	5.2	5.2	4.9	5.0	4.5	4.6	25.9
2025	Jun	--	--	0.4	5.2	5.2	4.9	5.0	0.5	0.9	21.1
2025	Jul	--	--	0.4	2.3	2.4	1.8	2.7	0.5	0.9	10.0
2025	Aug	--	--	0.4	2.3	2.4	1.8	2.7	0.5	0.9	10.0
2025	Sep	--	--	0.4	2.3	2.4	1.8	2.7	0.5	0.9	10.0
2025	*Oct*	--	--	0.4	2.3	2.4	1.8	2.7	0.5	0.9	10.0
2025	*Nov*	--	--	0.4	2.3	2.4	1.8	2.7	0.5	0.9	10.0
2025	*Dec*	--	--	0.4	2.3	2.4	1.8	2.7	0.5	0.9	10.0
2026	*Jan*	--	--	0.4	2.2	2.4	1.7	2.6	0.4	0.8	9.6
2026	*Feb*	--	--	0.4	2.2	2.4	1.7	2.6	0.4	0.8	9.6
2026	*Mar*	--	--	0.4	2.2	2.4	1.7	2.6	0.4	0.8	9.6
2026	Apr	--	--	--	2.2	2.4	1.7	2.6	0.4	0.8	9.3
2026	May	--	--	--	2.2	2.4	1.7	2.6	0.0	0.8	8.9
2026	Jun	--	--	--	2.2	2.4	1.7	2.6	--	0.8	8.9
2026	Jul	--	--	--	2.2	2.4	1.7	2.6	--	0.8	8.9
2026	Aug	--	--	--	2.2	2.4	1.7	2.6	--	0.4	8.9
2026	Sep	--	--	--	2.2	2.4	1.7	2.6	--	0.1	8.9
2026	*Oct*	--	--	--	2.2	2.4	1.7	2.6	--		8.9
2026	*Nov*	--	--	--	2.2	2.4	1.7	2.6	--		8.9
2026	*Dec*	--	--	--	0.7	0.7	1.7	2.6	--		5.8
2027	*Jan*	--	--	--	0.2	0.3	1.7	2.5	--		4.7
2027	*Feb*	--	--	--	--	--	1.7	2.5	--		4.2
2027	*Mar*	--	--	--	--	--	1.7	2.5	--		4.2
2027	Apr	--	--	--	--	--	1.7	2.5	--		4.2
2027	May	--	--	--	--	--	1.7	2.5	--		4.2
2027	Jun	--	--	--	--	--	0.6	2.5	--		3.1
2027	Jul	--	--	--	--	--	0.2	2.5	--		2.8
2027	Aug	--	--	--	--	--	--	2.5	--		2.5
2027	Sep	--	--	--	--	--	--	2.5	--		2.5
2027	*Oct*	--	--	--	--	--	--	2.5	--		2.5
2027	*Nov*	--	--	--	--	--	--	2.5	--		2.5
2027	*Dec*	--	--	--	--	--	--	2.5	--		2.5
2028	*Jan*	--	--	--	--	--	--	2.5	--		2.5
2028	*Feb*	--	--	--	--	--	--	2.5	--		2.5
2028	*Mar*	--	--	--	--	--	--	2.5	--		2.5
2028	Apr	--	--	--	--	--	--	2.5	--		2.5
2028	May	--	--	--	--	--	--	0.5	--		0.5
2028	Jun	--	--	--	--	--	--	0.5	--		0.5
2028	Jul	--	--	--	--	--	--	0.4	--		0.4
2028	Aug	--	--	--	--	--	--	0.4	--		0.4

Scenario 2 - Mitigated - Maximum Regional Daily PM2.5 Total Exhaust Emissions (lbs/day)											
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	Total Maximum Daily Emissions
2025	*Jan*	8.4	--	--	--	--	--	--	--		8.4
2025	*Feb*	1.8	--	--	--	--	--	--	--		1.8
2025	*Mar*	--	6.7	--	--	--	--	--	--		6.7
2025	Apr	--	0.4	4.5	--	--	--	--	--		4.9
2025	May	--	0.4	0.1	3.8	3.8	3.6	3.6	3.3	3.4	18.5
2025	Jun	--	--	0.1	3.8	3.8	3.6	3.6	0.1	0.5	14.8
2025	Jul	--	--	0.1	1.7	1.8	1.2	2.1	0.1	0.5	7.0
2025	Aug	--	--	0.1	1.7	1.8	1.2	2.1	0.1	0.5	7.0
2025	Sep	--	--	0.1	1.7	1.8	1.2	2.1	0.1	0.5	7.0
2025	*Oct*	--	--	0.1	1.7	1.8	1.2	2.1	0.1	0.5	7.0
2025	*Nov*	--	--	0.1	1.7	1.8	1.2	2.1	0.1	0.5	7.0
2025	*Dec*	--	--	0.1	1.7	1.8	1.2	2.1	0.1	0.5	7.0
2026	*Jan*	--	--	0.1	1.7	1.8	1.2	2.1	0.1	0.5	7.0
2026	*Feb*	--	--	0.1	1.7	1.8	1.2	2.1	0.1	0.5	7.0
2026	*Mar*	--	--	0.2	1.7	1.8	1.2	2.1	0.1	0.5	7.1
2026	Apr	--	--	--	1.7	1.8	1.2	2.1	0.2	0.5	7.0
2026	May	--	--	--	1.7	1.8	1.2	2.1	0.0	0.5	6.9
2026	Jun	--	--	--	1.7	1.8	1.2	2.1	--	0.5	6.9
2026	Jul	--	--	--	1.7	1.8	1.2	2.1	--	0.5	6.9
2026	Aug	--	--	--	1.7	1.8	1.2	2.1	--	0.2	6.9
2026	Sep	--	--	--	1.7	1.8	1.2	2.1	--	0.1	6.9
2026	*Oct*	--	--	--	1.7	1.8	1.2	2.1	--		6.9
2026	*Nov*	--	--	--	1.7	1.8	1.2	2.1	--		6.9
2026	*Dec*	--	--	--	0.3	0.3	1.2	2.1	--		3.9
2027	*Jan*	--	--	--	0.2	0.2	1.2	2.1	--		3.8
2027	*Feb*	--	--	--	--	--	1.2	2.1	--		3.3
2027	*Mar*	--	--	--	--	--	1.2	2.1	--		3.3
2027	Apr	--	--	--	--	--	1.2	2.1	--		3.3
2027	May	--	--	--	--	--	1.2	2.1	--		3.3
2027	Jun	--	--	--	--	--	0.2	2.1	--		2.3
2027	Jul	--	--	--	--	--	0.2	2.1	--		2.3
2027	Aug	--	--	--	--	--	--	2.1	--		2.1
2027	Sep	--	--	--	--	--	--	2.1	--		2.1
2027	*Oct*	--	--	--	--	--	--	2.1	--		2.1
2027	*Nov*	--	--	--	--	--	--	2.1	--		2.1
2027	*Dec*	--	--	--	--	--	--	2.1	--		2.1
2028	*Jan*	--	--	--	--	--	--	2.1	--		2.1
2028	*Feb*	--	--	--	--	--	--	2.1	--		2.1
2028	*Mar*	--	--	--	--	--	--	2.1	--		2.1
2028	Apr	--	--	--	--	--	--	2.1	--		2.1
2028	May	--	--	--	--	--	--	0.2	--		0.2
2028	Jun	--	--	--	--	--	--	0.4	--		0.4
2028	Jul	--	--	--	--	--	--	0.4	--		0.4
2028	Aug	--	--	--	--	--	--	0.4	--		0.4

Scenario 2 - Unmitigated - LST ROG Emissions (lbs/day)											
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	Total Maximum Daily Emissions
2025	*Jan*	11.0	--	--	--	--	--	--	--		11.0
2025	*Feb*	11.0	--	--	--	--	--	--	--		11.0
2025	*Mar*	--	3.8	--	--	--	--	--	--		3.8
2025	Apr	--	3.0	1.3	--	--	--	--	--		4.2
2025	May	--	1.3	1.3	5.3	5.2	4.6	4.7	3.5	3.7	26.0
2025	Jun	--	--	1.3	5.3	5.2	4.6	4.7	1.3	1.5	22.4
2025	Jul	--	--	1.3	3.1	3.0	2.4	2.5	1.3	1.5	13.7
2025	Aug	--	--	1.3	3.1	3.0	2.4	2.5	1.3	1.5	13.7
2025	Sep	--	--	1.3	3.1	3.0	2.4	2.5	1.3	1.5	13.7
2025	*Oct*	--	--	1.3	3.1	3.0	2.4	2.5	1.3	1.5	13.7
2025	*Nov*	--	--	1.3	3.1	3.0	2.4	2.5	1.3	1.5	13.7
2025	*Dec*	--	--	1.3	3.1	3.0	2.4	2.5	1.3	1.5	13.7
2026	*Jan*	--	--	1.3	3.0	3.0	2.3	2.4	1.3	1.5	13.3
2026	*Feb*	--	--	1.3	3.0	3.0	2.3	2.4	1.3	1.5	13.3
2026	*Mar*	--	--	33.0	3.0	3.0	2.3	2.4	1.3	1.5	45.0
2026	Apr	--	--	--	3.0	3.0	2.3	2.4	8.8	1.5	19.5
2026	May	--	--	--	3.0	3.0	2.3	2.4	8.8	1.5	19.5
2026	Jun	--	--	--	3.0	3.0	2.3	2.4	--	1.5	10.8
2026	Jul	--	--	--	3.0	3.0	2.3	2.4	--	1.7	10.8
2026	Aug	--	--	--	3.0	3.0	2.3	2.4	--	116.1	10.8
2026	Sep	--	--	--	3.0	3.0	2.3	2.4	--	116.1	10.8
2026	*Oct*	--	--	--	3.0	3.0	2.3	2.4	--		10.8
2026	*Nov*	--	--	--	5.1	4.7	2.3	2.4	--		14.6
2026	*Dec*	--	--	--	277.1	302.1	2.3	2.4	--		584.0
2027	*Jan*	--	--	--	277.1	302.1	2.3	2.4	--		583.9
2027	*Feb*	--	--	--	--	--	2.3	2.4	--		4.7
2027	*Mar*	--	--	--	--	--	2.3	2.4	--		4.7
2027	Apr	--	--	--	--	--	2.3	2.4	--		4.7
2027	May	--	--	--	--	--	4.2	2.4	--		6.6
2027	Jun	--	--	--	--	--	109.1	2.4	--		111.5
2027	Jul	--	--	--	--	--	109.1	2.4	--		111.5
2027	Aug	--	--	--	--	--	--	2.4	--		2.4
2027	Sep	--	--	--	--	--	--	2.4	--		2.4
2027	*Oct*	--	--	--	--	--	--	2.4	--		2.4
2027	*Nov*	--	--	--	--	--	--	2.4	--		2.4
2027	*Dec*	--	--	--	--	--	--	2.4	--		2.4
2028	*Jan*	--	--	--	--	--	--	2.3	--		2.3
2028	*Feb*	--	--	--	--	--	--	2.3	--		2.3
2028	*Mar*	--	--	--	--	--	--	2.3	--		2.3
2028	Apr	--	--	--	--	--	--	3.5	--		3.5
2028	May	--	--	--	--	--	--	3.5	--		3.5
2028	Jun	--	--	--	--	--	--	101.1	--		101.1
2028	Jul	--	--	--	--	--	--	101.1	--		101.1
2028	Aug	--	--	--	--	--	--	101.1	--		101.1

Scenario 2 - Mitigated - LST ROG Emissions (lbs/day)											
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	Total Maximum Daily Emissions
2025	*Jan*	2.9	--	--	--	--	--	--	--		2.9
2025	*Feb*	2.9	--	--	--	--	--	--	--		2.9
2025	*Mar*	--	1.1	--	--	--	--	--	--		1.1
2025	Apr	--	4.1	0.3	--	--	--	--	--		4.4
2025	May	--	0.7	0.2	1.1	1.0	0.9	0.9	0.6	0.6	5.2
2025	Jun	--	--	0.2	1.1	1.0	0.9	0.9	0.3	0.6	4.3
2025	Jul	--	--	0.2	1.0	0.7	0.6	0.6	0.3	0.6	3.3
2025	Aug	--	--	0.2	1.0	0.7	0.6	0.6	0.3	0.6	3.3
2025	Sep	--	--	0.2	1.0	0.7	0.6	0.6	0.3	0.6	3.3
2025	*Oct*	--	--	0.2	1.0	0.7	0.6	0.6	0.3	0.6	3.3
2025	*Nov*	--	--	0.2	1.0	0.7	0.6	0.6	0.3	0.6	3.3
2025	*Dec*	--	--	0.2	1.0	0.7	0.6	0.6	0.3	0.6	3.3
2026	*Jan*	--	--	0.2	1.0	0.7	0.6	0.6	0.3	0.6	3.3
2026	*Feb*	--	--	0.2	1.0	0.7	0.6	0.6	0.3	0.6	3.3
2026	*Mar*	--	--	3.3	1.0	0.7	0.6	0.6	0.3	0.6	6.5
2026	Apr	--	--	--	1.0	0.7	0.6	0.6	8.7	0.6	11.6
2026	May	--	--	--	1.0	0.7	0.6	0.6	8.7	0.6	11.6
2026	Jun	--	--	--	1.0	0.7	0.6	0.6	--	0.6	2.9
2026	Jul	--	--	--	1.0	0.7	0.6	0.6	--	1.0	2.9
2026	Aug	--	--	--	1.0	0.7	0.6	0.6	--	13.7	2.9
2026	Sep	--	--	--	1.0	0.7	0.6	0.6	--	13.7	2.9
2026	*Oct*	--	--	--	1.0	0.7	0.6	0.6	--		2.9
2026	*Nov*	--	--	--	3.6	3.0	0.6	0.6	--		7.8
2026	*Dec*	--	--	--	37.7	38.9	0.6	0.6	--		77.7
2027	*Jan*	--	--	--	37.7	38.9	0.6	0.6	--		77.7
2027	*Feb*	--	--	--	--	--	0.6	0.6	--		1.1
2027	*Mar*	--	--	--	--	--	0.6	0.6	--		1.1
2027	Apr	--	--	--	--	--	0.6	0.6	--		1.1
2027	May	--	--	--	--	--	2.9	0.6	--		3.5
2027	Jun	--	--	--	--	--	29.9	0.6	--		30.5
2027	Jul	--	--	--	--	--	29.9	0.6	--		30.5
2027	Aug	--	--	--	--	--	--	0.6	--		0.6
2027	Sep	--	--	--	--	--	--	0.6	--		0.6
2027	*Oct*	--	--	--	--	--	--	0.6	--		0.6
2027	*Nov*	--	--	--	--	--	--	0.6	--		0.6
2027	*Dec*	--	--	--	--	--	--	0.6	--		0.6
2028	*Jan*	--	--	--	--	--	--	0.6	--		0.6
2028	*Feb*	--	--	--	--	--	--	0.6	--		0.6
2028	*Mar*	--	--	--	--	--	--	0.6	--		0.6
2028	Apr	--	--	--	--	--	--	2.2	--		2.2
2028	May	--	--	--	--	--	--	2.2	--		2.2
2028	Jun	--	--	--	--	--	--	24.2	--		24.2
2028	Jul	--	--	--	--	--	--	24.2	--		24.2
2028	Aug	--	--	--	--	--	--	24.2	--		24.2

Scenario 2 - Unmitigated - LST NOx Emissions (lbs/day)											
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	Total Maximum Daily Emissions
2025	*Jan*	78.6	--	--	--	--	--	--	--		78.6
2025	*Feb*	77.4	--	--	--	--	--	--	--		77.4
2025	*Mar*	--	31.2	--	--	--	--	--	--		31.2
2025	Apr	--	25.6	11.5	--	--	--	--	--		37.1
2025	May	--	10.4	11.2	43.8	43.3	39.5	40.0	32.8	34.1	221.0
2025	Jun	--	--	11.2	43.8	43.3	39.5	40.0	11.6	12.9	189.4
2025	Jul	--	--	11.2	22.6	22.1	18.3	18.8	11.6	12.9	104.6
2025	Aug	--	--	11.2	22.6	22.1	18.3	18.8	11.6	12.9	104.6
2025	Sep	--	--	11.2	22.6	22.1	18.3	18.8	11.6	12.9	104.6
2025	*Oct*	--	--	11.2	22.6	22.1	18.3	18.8	11.6	12.9	104.6
2025	*Nov*	--	--	11.2	22.6	22.1	18.3	18.8	11.6	12.9	104.6
2025	*Dec*	--	--	11.2	22.6	22.1	18.3	18.8	11.6	12.9	104.6
2026	*Jan*	--	--	10.7	21.1	20.7	17.2	17.6	10.9	12.1	98.2
2026	*Feb*	--	--	10.7	21.1	20.7	17.2	17.6	10.9	12.1	98.2
2026	*Mar*	--	--	10.7	21.1	20.7	17.2	17.6	10.9	12.1	98.2
2026	Apr	--	--	--	21.1	20.7	17.2	17.6	10.9	12.1	87.5
2026	May	--	--	--	21.1	20.7	17.2	17.6	0.9	12.1	77.5
2026	Jun	--	--	--	21.1	20.7	17.2	17.6	--	12.1	76.6
2026	Jul	--	--	--	21.1	20.7	17.2	17.6	--	12.1	76.6
2026	Aug	--	--	--	21.1	20.7	17.2	17.6	--	9.4	76.6
2026	Sep	--	--	--	21.1	20.7	17.2	17.6	--	0.9	76.6
2026	*Oct*	--	--	--	21.1	20.7	17.2	17.6	--		76.6
2026	*Nov*	--	--	--	21.1	20.7	17.2	17.6	--		76.6
2026	*Dec*	--	--	--	18.4	18.0	17.2	17.6	--		71.2
2027	*Jan*	--	--	--	0.8	0.8	16.4	16.8	--		34.9
2027	*Feb*	--	--	--	--	--	16.4	16.8	--		33.2
2027	*Mar*	--	--	--	--	--	16.4	16.8	--		33.2
2027	Apr	--	--	--	--	--	16.4	16.8	--		33.2
2027	May	--	--	--	--	--	16.4	16.8	--		33.2
2027	Jun	--	--	--	--	--	13.9	16.8	--		30.7
2027	Jul	--	--	--	--	--	0.8	16.8	--		17.6
2027	Aug	--	--	--	--	--	--	16.8	--		16.8
2027	Sep	--	--	--	--	--	--	16.8	--		16.8
2027	*Oct*	--	--	--	--	--	--	16.8	--		16.8
2027	*Nov*	--	--	--	--	--	--	16.8	--		16.8
2027	*Dec*	--	--	--	--	--	--	16.8	--		16.8
2028	*Jan*	--	--	--	--	--	--	15.8	--		15.8
2028	*Feb*	--	--	--	--	--	--	15.8	--		15.8
2028	*Mar*	--	--	--	--	--	--	15.8	--		15.8
2028	Apr	--	--	--	--	--	--	15.8	--		15.8
2028	May	--	--	--	--	--	--	13.5	--		13.5
2028	Jun	--	--	--	--	--	--	13.5	--		13.5
2028	Jul	--	--	--	--	--	--	0.8	--		0.8
2028	Aug	--	--	--	--	--	--	0.8	--		0.8

Scenario 2 - Mitigated - LST NOx Emissions (lbs/day)											
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	Total Maximum Daily Emissions
2025	*Jan*	14.9	--	--	--	--	--	--	--		14.9
2025	*Feb*	14.9	--	--	--	--	--	--	--		14.9
2025	*Mar*	--	6.1	--	--	--	--	--	--		6.1
2025	Apr	--	4.1	1.5	--	--	--	--	--		5.6
2025	May	--	3.9	0.9	5.5	5.4	4.5	4.6	2.9	3.5	27.6
2025	Jun	--	--	0.9	5.8	5.4	4.5	4.6	1.3	3.5	22.4
2025	Jul	--	--	0.9	5.8	3.8	2.9	3.0	1.3	3.5	17.7
2025	Aug	--	--	0.9	5.8	3.8	2.9	3.0	1.3	3.5	17.7
2025	Sep	--	--	0.9	5.8	3.8	2.9	3.0	1.3	3.5	17.7
2025	*Oct*	--	--	0.9	5.8	3.8	2.9	3.0	1.3	3.5	17.7
2025	*Nov*	--	--	0.9	5.8	3.8	2.9	3.0	1.3	3.5	17.7
2025	*Dec*	--	--	0.9	5.8	3.8	2.9	3.0	1.3	3.5	17.7
2026	*Jan*	--	--	0.9	5.6	3.8	2.9	3.0	1.3	3.3	17.5
2026	*Feb*	--	--	0.9	5.6	3.8	2.9	3.0	1.3	3.3	17.5
2026	*Mar*	--	--	2.8	5.6	3.8	2.9	3.0	1.3	3.3	19.4
2026	Apr	--	--	--	5.6	3.8	2.9	3.0	2.7	3.3	18.1
2026	May	--	--	--	5.6	3.8	2.9	3.0	0.0	3.3	15.4
2026	Jun	--	--	--	5.6	3.8	2.9	3.0	--	3.3	15.4
2026	Jul	--	--	--	5.6	3.8	2.9	3.0	--	3.3	15.4
2026	Aug	--	--	--	5.6	3.8	2.9	3.0	--	2.9	15.4
2026	Sep	--	--	--	5.6	3.8	2.9	3.0	--	0.0	15.4
2026	*Oct*	--	--	--	5.6	3.8	2.9	3.0	--		15.4
2026	*Nov*	--	--	--	6.9	5.2	2.9	3.0	--		18.0
2026	*Dec*	--	--	--	6.9	5.2	2.9	3.0	--		18.0
2027	*Jan*	--	--	--	0.0	0.0	2.9	3.0	--		5.9
2027	*Feb*	--	--	--	--	--	2.9	3.0	--		5.9
2027	*Mar*	--	--	--	--	--	2.9	3.0	--		5.9
2027	Apr	--	--	--	--	--	2.9	3.0	--		5.9
2027	May	--	--	--	--	--	4.2	3.0	--		7.2
2027	Jun	--	--	--	--	--	4.2	3.0	--		7.2
2027	Jul	--	--	--	--	--	0.0	3.0	--		3.0
2027	Aug	--	--	--	--	--	--	3.0	--		3.0
2027	Sep	--	--	--	--	--	--	3.0	--		3.0
2027	*Oct*	--	--	--	--	--	--	3.0	--		3.0
2027	*Nov*	--	--	--	--	--	--	3.0	--		3.0
2027	*Dec*	--	--	--	--	--	--	3.0	--		3.0
2028	*Jan*	--	--	--	--	--	--	3.0	--		3.0
2028	*Feb*	--	--	--	--	--	--	3.0	--		3.0
2028	*Mar*	--	--	--	--	--	--	3.0	--		3.0
2028	Apr	--	--	--	--	--	--	4.3	--		4.3
2028	May	--	--	--	--	--	--	4.3	--		4.3
2028	Jun	--	--	--	--	--	--	4.3	--		4.3
2028	Jul	--	--	--	--	--	--	0.0	--		0.0
2028	Aug	--	--	--	--	--	--	0.0	--		0.0

Scenario 2 - Unmitigated - LST CO Emissions (lbs/day)											
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	Total Maximum Daily Emissions
2025	*Jan*	83.5	--	--	--	--	--	--	--		83.5
2025	*Feb*	83.5	--	--	--	--	--	--	--		83.5
2025	*Mar*	--	39.0	--	--	--	--	--	--		39.0
2025	Apr	--	26.5	11.6	--	--	--	--	--		38.1
2025	May	--	13.7	12.5	43.3	42.8	38.7	39.2	31.4	32.8	221.6
2025	Jun	--	--	12.5	43.3	42.8	38.7	39.2	14.3	15.7	190.8
2025	Jul	--	--	12.5	26.1	25.7	21.5	22.1	14.3	15.7	122.2
2025	Aug	--	--	12.5	26.1	25.7	21.5	22.1	14.3	15.7	122.2
2025	Sep	--	--	12.5	26.1	25.7	21.5	22.1	14.3	15.7	122.2
2025	*Oct*	--	--	12.5	26.1	25.7	21.5	22.1	14.3	15.7	122.2
2025	*Nov*	--	--	12.5	26.1	25.7	21.5	22.1	14.3	15.7	122.2
2025	*Dec*	--	--	12.5	26.1	25.7	21.5	22.1	14.3	15.7	122.2
2026	*Jan*	--	--	12.4	26.1	25.6	21.5	22.0	14.2	15.6	121.8
2026	*Feb*	--	--	12.4	26.1	25.6	21.5	22.0	14.2	15.6	121.8
2026	*Mar*	--	--	12.4	26.1	25.6	21.5	22.0	14.2	15.6	121.8
2026	Apr	--	--	--	26.1	25.6	21.5	22.0	14.2	15.6	109.4
2026	May	--	--	--	26.1	25.6	21.5	22.0	1.1	15.6	96.3
2026	Jun	--	--	--	26.1	25.6	21.5	22.0	--	15.6	95.2
2026	Jul	--	--	--	26.1	25.6	21.5	22.0	--	15.6	95.2
2026	Aug	--	--	--	26.1	25.6	21.5	22.0	--	12.6	95.2
2026	Sep	--	--	--	26.1	25.6	21.5	22.0	--	1.1	95.2
2026	*Oct*	--	--	--	26.1	25.6	21.5	22.0	--		95.2
2026	*Nov*	--	--	--	26.1	25.6	21.5	22.0	--		95.2
2026	*Dec*	--	--	--	23.1	22.6	21.5	22.0	--		89.2
2027	*Jan*	--	--	--	1.1	1.1	21.4	22.0	--		45.7
2027	*Feb*	--	--	--	--	--	21.4	22.0	--		43.4
2027	*Mar*	--	--	--	--	--	21.4	22.0	--		43.4
2027	Apr	--	--	--	--	--	21.4	22.0	--		43.4
2027	May	--	--	--	--	--	21.4	22.0	--		43.4
2027	Jun	--	--	--	--	--	18.5	22.0	--		40.5
2027	Jul	--	--	--	--	--	1.1	22.0	--		23.1
2027	Aug	--	--	--	--	--	--	22.0	--		22.0
2027	Sep	--	--	--	--	--	--	22.0	--		22.0
2027	*Oct*	--	--	--	--	--	--	22.0	--		22.0
2027	*Nov*	--	--	--	--	--	--	22.0	--		22.0
2027	*Dec*	--	--	--	--	--	--	22.0	--		22.0
2028	*Jan*	--	--	--	--	--	--	21.9	--		21.9
2028	*Feb*	--	--	--	--	--	--	21.9	--		21.9
2028	*Mar*	--	--	--	--	--	--	21.9	--		21.9
2028	Apr	--	--	--	--	--	--	21.9	--		21.9
2028	May	--	--	--	--	--	--	18.9	--		18.9
2028	Jun	--	--	--	--	--	--	18.9	--		18.9
2028	Jul	--	--	--	--	--	--	1.1	--		1.1
2028	Aug	--	--	--	--	--	--	1.1	--		1.1

Scenario 2 - Mitigated - LST CO Emissions (lbs/day)											
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	Total Maximum Daily Emissions
2025	*Jan*	154.0	--	--	--	--	--	--	--		154.0
2025	*Feb*	154.0	--	--	--	--	--	--	--		154.0
2025	*Mar*	--	52.8	--	--	--	--	--	--		52.8
2025	Apr	--	36.2	16.5	--	--	--	--	--		52.7
2025	May	--	17.8	9.8	57.3	56.3	47.1	48.3	31.1	34.2	267.7
2025	Jun	--	--	9.8	57.3	56.3	47.1	48.3	15.6	15.5	234.4
2025	Jul	--	--	9.8	38.6	40.8	31.6	32.8	15.6	15.5	169.2
2025	Aug	--	--	9.8	38.6	40.8	31.6	32.8	15.6	15.5	169.2
2025	Sep	--	--	9.8	38.6	40.8	31.6	32.8	15.6	15.5	169.2
2025	*Oct*	--	--	9.8	38.6	40.8	31.6	32.8	15.6	15.5	169.2
2025	*Nov*	--	--	9.8	38.6	40.8	31.6	32.8	15.6	15.5	169.2
2025	*Dec*	--	--	9.8	38.6	40.8	31.6	32.8	15.6	15.5	169.2
2026	*Jan*	--	--	9.8	38.6	40.8	31.6	32.8	15.6	15.5	169.2
2026	*Feb*	--	--	9.8	38.6	40.8	31.6	32.8	15.6	15.5	169.2
2026	*Mar*	--	--	10.1	38.6	40.8	31.6	32.8	15.6	15.5	169.5
2026	Apr	--	--	--	38.6	40.8	31.6	32.8	15.6	15.5	159.4
2026	May	--	--	--	38.6	40.8	31.6	32.8	0.0	15.5	143.8
2026	Jun	--	--	--	38.6	40.8	31.6	32.8	--	15.5	143.8
2026	Jul	--	--	--	38.6	40.8	31.6	32.8	--	16.5	143.8
2026	Aug	--	--	--	38.6	40.8	31.6	32.8	--	16.5	143.8
2026	Sep	--	--	--	38.6	40.8	31.6	32.8	--	0.0	143.8
2026	*Oct*	--	--	--	38.6	40.8	31.6	32.8	--		143.8
2026	*Nov*	--	--	--	38.6	40.8	31.6	32.8	--		143.8
2026	*Dec*	--	--	--	36.4	38.6	31.6	32.8	--		139.4
2027	*Jan*	--	--	--	0.0	0.0	31.6	32.8	--		64.4
2027	*Feb*	--	--	--	--	--	31.6	32.8	--		64.4
2027	*Mar*	--	--	--	--	--	31.6	32.8	--		64.4
2027	Apr	--	--	--	--	--	31.6	32.8	--		64.4
2027	May	--	--	--	--	--	31.6	32.8	--		64.4
2027	Jun	--	--	--	--	--	29.4	32.8	--		62.2
2027	Jul	--	--	--	--	--	0.0	32.8	--		32.8
2027	Aug	--	--	--	--	--	--	32.8	--		32.8
2027	Sep	--	--	--	--	--	--	32.8	--		32.8
2027	*Oct*	--	--	--	--	--	--	32.8	--		32.8
2027	*Nov*	--	--	--	--	--	--	32.8	--		32.8
2027	*Dec*	--	--	--	--	--	--	32.8	--		32.8
2028	*Jan*	--	--	--	--	--	--	32.8	--		32.8
2028	*Feb*	--	--	--	--	--	--	32.8	--		32.8
2028	*Mar*	--	--	--	--	--	--	32.8	--		32.8
2028	Apr	--	--	--	--	--	--	32.8	--		32.8
2028	May	--	--	--	--	--	--	30.6	--		30.6
2028	Jun	--	--	--	--	--	--	30.6	--		30.6
2028	Jul	--	--	--	--	--	--	0.0	--		0.0
2028	Aug	--	--	--	--	--	--	0.0	--		0.0

Scenario 2 - Unmitigated - LST SO2 Emissions (lbs/day)											
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	Total Maximum Daily Emissions
2025	*Jan*	0.3	--	--	--	--	--	--	--		0.3
2025	*Feb*	0.3	--	--	--	--	--	--	--		0.3
2025	*Mar*	--	0.1	--	--	--	--	--	--		0.1
2025	Apr	--	0.1	0.0	--	--	--	--	--		0.1
2025	May	--	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.5
2025	Jun	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.4
2025	Jul	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.3
2025	Aug	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.3
2025	Sep	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.3
2025	*Oct*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.3
2025	*Nov*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.3
2025	*Dec*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.3
2026	*Jan*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.3
2026	*Feb*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.3
2026	*Mar*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.3
2026	Apr	--	--	--	0.1	0.1	0.1	0.1	0.0	0.0	0.3
2026	May	--	--	--	0.1	0.1	0.1	0.1	0.0	0.0	0.3
2026	Jun	--	--	--	0.1	0.1	0.1	0.1	--	0.0	0.3
2026	Jul	--	--	--	0.1	0.1	0.1	0.1	--	0.0	0.3
2026	Aug	--	--	--	0.1	0.1	0.1	0.1	--	0.0	0.3
2026	Sep	--	--	--	0.1	0.1	0.1	0.1	--	0.0	0.3
2026	*Oct*	--	--	--	0.1	0.1	0.1	0.1	--		0.3
2026	*Nov*	--	--	--	0.1	0.1	0.1	0.1	--		0.3
2026	*Dec*	--	--	--	0.1	0.1	0.1	0.1	--		0.3
2027	*Jan*	--	--	--	0.0	0.0	0.1	0.1	--		0.1
2027	*Feb*	--	--	--	--	--	0.1	0.1	--		0.1
2027	*Mar*	--	--	--	--	--	0.1	0.1	--		0.1
2027	Apr	--	--	--	--	--	0.1	0.1	--		0.1
2027	May	--	--	--	--	--	0.1	0.1	--		0.1
2027	Jun	--	--	--	--	--	0.1	0.1	--		0.1
2027	Jul	--	--	--	--	--	0.0	0.1	--		0.1
2027	Aug	--	--	--	--	--	--	0.1	--		0.1
2027	Sep	--	--	--	--	--	--	0.1	--		0.1
2027	*Oct*	--	--	--	--	--	--	0.1	--		0.1
2027	*Nov*	--	--	--	--	--	--	0.1	--		0.1
2027	*Dec*	--	--	--	--	--	--	0.1	--		0.1
2028	*Jan*	--	--	--	--	--	--	0.1	--		0.1
2028	*Feb*	--	--	--	--	--	--	0.1	--		0.1
2028	*Mar*	--	--	--	--	--	--	0.1	--		0.1
2028	Apr	--	--	--	--	--	--	0.1	--		0.1
2028	May	--	--	--	--	--	--	0.1	--		0.1
2028	Jun	--	--	--	--	--	--	0.1	--		0.1
2028	Jul	--	--	--	--	--	--	0.0	--		0.0
2028	Aug	--	--	--	--	--	--	0.0	--		0.0

Scenario 2 - Mitigated - LST SO2 Emissions (lbs/day)											
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	Total Maximum Daily Emissions
2025	*Jan*	0.3	--	--	--	--	--	--	--		0.3
2025	*Feb*	0.3	--	--	--	--	--	--	--		0.3
2025	*Mar*	--	0.1	--	--	--	--	--	--		0.1
2025	Apr	--	0.1	0.0	--	--	--	--	--		0.1
2025	May	--	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.5
2025	Jun	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.4
2025	Jul	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.3
2025	Aug	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.3
2025	Sep	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.3
2025	*Oct*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.3
2025	*Nov*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.3
2025	*Dec*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.3
2026	*Jan*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.3
2026	*Feb*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.3
2026	*Mar*	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.3
2026	Apr	--	--	--	0.1	0.1	0.1	0.1	0.0	0.0	0.3
2026	May	--	--	--	0.1	0.1	0.1	0.1	0.0	0.0	0.3
2026	Jun	--	--	--	0.1	0.1	0.1	0.1	--	0.0	0.3
2026	Jul	--	--	--	0.1	0.1	0.1	0.1	--	0.0	0.3
2026	Aug	--	--	--	0.1	0.1	0.1	0.1	--	0.0	0.3
2026	Sep	--	--	--	0.1	0.1	0.1	0.1	--	0.0	0.3
2026	*Oct*	--	--	--	0.1	0.1	0.1	0.1	--		0.3
2026	*Nov*	--	--	--	0.1	0.1	0.1	0.1	--		0.3
2026	*Dec*	--	--	--	0.1	0.1	0.1	0.1	--		0.3
2027	*Jan*	--	--	--	0.0	0.0	0.1	0.1	--		0.1
2027	*Feb*	--	--	--	--	--	0.1	0.1	--		0.1
2027	*Mar*	--	--	--	--	--	0.1	0.1	--		0.1
2027	Apr	--	--	--	--	--	0.1	0.1	--		0.1
2027	May	--	--	--	--	--	0.1	0.1	--		0.1
2027	Jun	--	--	--	--	--	0.1	0.1	--		0.1
2027	Jul	--	--	--	--	--	0.0	0.1	--		0.1
2027	Aug	--	--	--	--	--	--	0.1	--		0.1
2027	Sep	--	--	--	--	--	--	0.1	--		0.1
2027	*Oct*	--	--	--	--	--	--	0.1	--		0.1
2027	*Nov*	--	--	--	--	--	--	0.1	--		0.1
2027	*Dec*	--	--	--	--	--	--	0.1	--		0.1
2028	*Jan*	--	--	--	--	--	--	0.1	--		0.1
2028	*Feb*	--	--	--	--	--	--	0.1	--		0.1
2028	*Mar*	--	--	--	--	--	--	0.1	--		0.1
2028	Apr	--	--	--	--	--	--	0.1	--		0.1
2028	May	--	--	--	--	--	--	0.1	--		0.1
2028	Jun	--	--	--	--	--	--	0.1	--		0.1
2028	Jul	--	--	--	--	--	--	0.0	--		0.0
2028	Aug	--	--	--	--	--	--	0.0	--		0.0

Scenario 2 - Unmitigated - LST PM10 Exhaust Emissions (lbs/day)											
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	Total Maximum Daily Emissions
2025	*Jan*	3.0	--	--	--	--	--	--	--		3.0
2025	*Feb*	3.0	--	--	--	--	--	--	--		3.0
2025	*Mar*	--	1.4	--	--	--	--	--	--		1.4
2025	Apr	--	1.0	0.5	--	--	--	--	--		1.5
2025	May	--	0.4	0.4	1.8	1.8	1.6	1.7	1.4	1.5	9.2
2025	Jun	--	--	0.4	1.8	1.8	1.6	1.7	0.5	0.5	7.8
2025	Jul	--	--	0.4	0.9	0.9	0.7	0.7	0.5	0.5	4.1
2025	Aug	--	--	0.4	0.9	0.9	0.7	0.7	0.5	0.5	4.1
2025	Sep	--	--	0.4	0.9	0.9	0.7	0.7	0.5	0.5	4.1
2025	*Oct*	--	--	0.4	0.9	0.9	0.7	0.7	0.5	0.5	4.1
2025	*Nov*	--	--	0.4	0.9	0.9	0.7	0.7	0.5	0.5	4.1
2025	*Dec*	--	--	0.4	0.9	0.9	0.7	0.7	0.5	0.5	4.1
2026	*Jan*	--	--	0.4	0.8	0.8	0.6	0.7	0.4	0.5	3.6
2026	*Feb*	--	--	0.4	0.8	0.8	0.6	0.7	0.4	0.5	3.6
2026	*Mar*	--	--	0.4	0.8	0.8	0.6	0.7	0.4	0.5	3.6
2026	Apr	--	--	--	0.8	0.8	0.6	0.7	0.4	0.5	3.3
2026	May	--	--	--	0.8	0.8	0.6	0.7	0.0	0.5	2.9
2026	Jun	--	--	--	0.8	0.8	0.6	0.7	--	0.5	2.8
2026	Jul	--	--	--	0.8	0.8	0.6	0.7	--	0.5	2.8
2026	Aug	--	--	--	0.8	0.8	0.6	0.7	--	0.4	2.8
2026	Sep	--	--	--	0.8	0.8	0.6	0.7	--	0.0	2.8
2026	*Oct*	--	--	--	0.8	0.8	0.6	0.7	--		2.8
2026	*Nov*	--	--	--	0.8	0.8	0.6	0.7	--		2.8
2026	*Dec*	--	--	--	0.7	0.7	0.6	0.7	--		2.7
2027	*Jan*	--	--	--	0.0	0.0	0.6	0.6	--		1.2
2027	*Feb*	--	--	--	--	--	0.6	0.6	--		1.2
2027	*Mar*	--	--	--	--	--	0.6	0.6	--		1.2
2027	Apr	--	--	--	--	--	0.6	0.6	--		1.2
2027	May	--	--	--	--	--	0.6	0.6	--		1.2
2027	Jun	--	--	--	--	--	0.5	0.6	--		1.1
2027	Jul	--	--	--	--	--	0.0	0.6	--		0.6
2027	Aug	--	--	--	--	--	--	0.6	--		0.6
2027	Sep	--	--	--	--	--	--	0.6	--		0.6
2027	*Oct*	--	--	--	--	--	--	0.6	--		0.6
2027	*Nov*	--	--	--	--	--	--	0.6	--		0.6
2027	*Dec*	--	--	--	--	--	--	0.6	--		0.6
2028	*Jan*	--	--	--	--	--	--	0.5	--		0.5
2028	*Feb*	--	--	--	--	--	--	0.5	--		0.5
2028	*Mar*	--	--	--	--	--	--	0.5	--		0.5
2028	Apr	--	--	--	--	--	--	0.5	--		0.5
2028	May	--	--	--	--	--	--	0.5	--		0.5
2028	Jun	--	--	--	--	--	--	0.5	--		0.5
2028	Jul	--	--	--	--	--	--	0.0	--		0.0
2028	Aug	--	--	--	--	--	--	0.0	--		0.0

Scenario 2 - Mitigated - LST PM10 Exhaust Emissions (lbs/day)											
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	Total Maximum Daily Emissions
2025	*Jan*	0.6	--	--	--	--	--	--	--		0.6
2025	*Feb*	0.6	--	--	--	--	--	--	--		0.6
2025	*Mar*	--	0.3	--	--	--	--	--	--		0.3
2025	Apr	--	0.2	0.1	--	--	--	--	--		0.2
2025	May	--	0.2	0.0	0.2	0.2	0.2	0.2	0.1	0.1	1.1
2025	Jun	--	--	0.0	0.2	0.2	0.2	0.2	0.1	0.1	0.9
2025	Jul	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.1	0.7
2025	Aug	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.1	0.7
2025	Sep	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.1	0.7
2025	*Oct*	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.1	0.7
2025	*Nov*	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.1	0.7
2025	*Dec*	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.1	0.7
2026	*Jan*	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.1	0.7
2026	*Feb*	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.1	0.7
2026	*Mar*	--	--	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.8
2026	Apr	--	--	--	0.2	0.2	0.1	0.1	0.1	0.1	0.7
2026	May	--	--	--	0.2	0.2	0.1	0.1	0.0	0.1	0.6
2026	Jun	--	--	--	0.2	0.2	0.1	0.1	--	0.1	0.6
2026	Jul	--	--	--	0.2	0.2	0.1	0.1	--	0.1	0.6
2026	Aug	--	--	--	0.2	0.2	0.1	0.1	--	0.1	0.6
2026	Sep	--	--	--	0.2	0.2	0.1	0.1	--	0.0	0.6
2026	*Oct*	--	--	--	0.2	0.2	0.1	0.1	--		0.6
2026	*Nov*	--	--	--	0.3	0.2	0.1	0.1	--		0.7
2026	*Dec*	--	--	--	0.3	0.2	0.1	0.1	--		0.7
2027	*Jan*	--	--	--	0.0	0.0	0.1	0.1	--		0.2
2027	*Feb*	--	--	--	--	--	0.1	0.1	--		0.2
2027	*Mar*	--	--	--	--	--	0.1	0.1	--		0.2
2027	Apr	--	--	--	--	--	0.1	0.1	--		0.2
2027	May	--	--	--	--	--	0.2	0.1	--		0.3
2027	Jun	--	--	--	--	--	0.2	0.1	--		0.3
2027	Jul	--	--	--	--	--	0.0	0.1	--		0.1
2027	Aug	--	--	--	--	--	--	0.1	--		0.1
2027	Sep	--	--	--	--	--	--	0.1	--		0.1
2027	*Oct*	--	--	--	--	--	--	0.1	--		0.1
2027	*Nov*	--	--	--	--	--	--	0.1	--		0.1
2027	*Dec*	--	--	--	--	--	--	0.1	--		0.1
2028	*Jan*	--	--	--	--	--	--	0.1	--		0.1
2028	*Feb*	--	--	--	--	--	--	0.1	--		0.1
2028	*Mar*	--	--	--	--	--	--	0.1	--		0.1
2028	Apr	--	--	--	--	--	--	0.2	--		0.2
2028	May	--	--	--	--	--	--	0.2	--		0.2
2028	Jun	--	--	--	--	--	--	0.2	--		0.2
2028	Jul	--	--	--	--	--	--	0.0	--		0.0
2028	Aug	--	--	--	--	--	--	0.0	--		0.0

Scenario 2 - Unmitigated - LST PM10 Dust Emissions (lbs/day)											
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	Total Maximum Daily Emissions
2025	*Jan*	5.1	--	--	--	--	--	--	--		5.1
2025	*Feb*	2.4	--	--	--	--	--	--	--		2.4
2025	*Mar*	--	0.9	--	--	--	--	--	--		0.9
2025	Apr	--	0.7	0.4	--	--	--	--	--		1.1
2025	May	--	0.0	0.0	5.1	5.1	5.1	5.1	5.1	5.1	25.6
2025	Jun	--	--	0.0	5.1	5.1	5.1	5.1	0.0	0.0	20.4
2025	Jul	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	Aug	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	Sep	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	*Oct*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	*Nov*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	*Dec*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	*Jan*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	*Feb*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	*Mar*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	Apr	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	May	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	Jun	--	--	--	0.0	0.0	0.0	0.0	--	0.0	0.0
2026	Jul	--	--	--	0.0	0.0	0.0	0.0	--	0.0	0.0
2026	Aug	--	--	--	0.0	0.0	0.0	0.0	--	0.0	0.0
2026	Sep	--	--	--	0.0	0.0	0.0	0.0	--	0.0	0.0
2026	*Oct*	--	--	--	0.0	0.0	0.0	0.0	--		0.0
2026	*Nov*	--	--	--	0.0	0.0	0.0	0.0	--		0.0
2026	*Dec*	--	--	--	0.0	0.0	0.0	0.0	--		0.0
2027	*Jan*	--	--	--	0.0	0.0	0.0	0.0	--		0.0
2027	*Feb*	--	--	--	--	--	0.0	0.0	--		0.0
2027	*Mar*	--	--	--	--	--	0.0	0.0	--		0.0
2027	Apr	--	--	--	--	--	0.0	0.0	--		0.0
2027	May	--	--	--	--	--	0.0	0.0	--		0.0
2027	Jun	--	--	--	--	--	0.0	0.0	--		0.0
2027	Jul	--	--	--	--	--	0.0	0.0	--		0.0
2027	Aug	--	--	--	--	--	--	0.0	--		0.0
2027	Sep	--	--	--	--	--	--	0.0	--		0.0
2027	*Oct*	--	--	--	--	--	--	0.0	--		0.0
2027	*Nov*	--	--	--	--	--	--	0.0	--		0.0
2027	*Dec*	--	--	--	--	--	--	0.0	--		0.0
2028	*Jan*	--	--	--	--	--	--	0.0	--		0.0
2028	*Feb*	--	--	--	--	--	--	0.0	--		0.0
2028	*Mar*	--	--	--	--	--	--	0.0	--		0.0
2028	Apr	--	--	--	--	--	--	0.0	--		0.0
2028	May	--	--	--	--	--	--	0.0	--		0.0
2028	Jun	--	--	--	--	--	--	0.0	--		0.0
2028	Jul	--	--	--	--	--	--	0.0	--		0.0
2028	Aug	--	--	--	--	--	--	0.0	--		0.0

Scenario 2 - Mitigated - LST PM10 Dust Emissions (lbs/day)											
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	Total Maximum Daily Emissions
2025	*Jan*	5.1	--	--	--	--	--	--	--		5.1
2025	*Feb*	2.4	--	--	--	--	--	--	--		2.4
2025	*Mar*	--	0.9	--	--	--	--	--	--		0.9
2025	Apr	--	0.7	0.4	--	--	--	--	--		1.1
2025	May	--	0.0	0.0	5.1	5.1	5.1	5.1	5.1	5.1	25.6
2025	Jun	--	--	0.0	5.1	5.1	5.1	5.1	0.0	0.0	20.4
2025	Jul	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	Aug	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	Sep	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	*Oct*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	*Nov*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	*Dec*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	*Jan*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	*Feb*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	*Mar*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	Apr	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	May	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	Jun	--	--	--	0.0	0.0	0.0	0.0	--	0.0	0.0
2026	Jul	--	--	--	0.0	0.0	0.0	0.0	--	0.0	0.0
2026	Aug	--	--	--	0.0	0.0	0.0	0.0	--	0.0	0.0
2026	Sep	--	--	--	0.0	0.0	0.0	0.0	--	0.0	0.0
2026	*Oct*	--	--	--	0.0	0.0	0.0	0.0	--		0.0
2026	*Nov*	--	--	--	0.0	0.0	0.0	0.0	--		0.0
2026	*Dec*	--	--	--	0.0	0.0	0.0	0.0	--		0.0
2027	*Jan*	--	--	--	0.0	0.0	0.0	0.0	--		0.0
2027	*Feb*	--	--	--	--	--	0.0	0.0	--		0.0
2027	*Mar*	--	--	--	--	--	0.0	0.0	--		0.0
2027	Apr	--	--	--	--	--	0.0	0.0	--		0.0
2027	May	--	--	--	--	--	0.0	0.0	--		0.0
2027	Jun	--	--	--	--	--	0.0	0.0	--		0.0
2027	Jul	--	--	--	--	--	0.0	0.0	--		0.0
2027	Aug	--	--	--	--	--	--	0.0	--		0.0
2027	Sep	--	--	--	--	--	--	0.0	--		0.0
2027	*Oct*	--	--	--	--	--	--	0.0	--		0.0
2027	*Nov*	--	--	--	--	--	--	0.0	--		0.0
2027	*Dec*	--	--	--	--	--	--	0.0	--		0.0
2028	*Jan*	--	--	--	--	--	--	0.0	--		0.0
2028	*Feb*	--	--	--	--	--	--	0.0	--		0.0
2028	*Mar*	--	--	--	--	--	--	0.0	--		0.0
2028	Apr	--	--	--	--	--	--	0.0	--		0.0
2028	May	--	--	--	--	--	--	0.0	--		0.0
2028	Jun	--	--	--	--	--	--	0.0	--		0.0
2028	Jul	--	--	--	--	--	--	0.0	--		0.0
2028	Aug	--	--	--	--	--	--	0.0	--		0.0

Scenario 2 - Unmitigated - LST PM10 Total Emissions (lbs/day)											
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	Total Maximum Daily Emissions
2025	*Jan*	8.1	--	--	--	--	--	--	--		8.1
2025	*Feb*	5.4	--	--	--	--	--	--	--		5.4
2025	*Mar*	--	2.3	--	--	--	--	--	--		2.3
2025	Apr	--	1.7	0.9	--	--	--	--	--		2.6
2025	May	--	0.4	0.4	6.9	6.9	6.8	6.8	6.5	6.6	34.7
2025	Jun	--	--	0.4	6.9	6.9	6.8	6.8	0.5	0.5	28.2
2025	Jul	--	--	0.4	0.9	0.9	0.7	0.7	0.5	0.5	4.1
2025	Aug	--	--	0.4	0.9	0.9	0.7	0.7	0.5	0.5	4.1
2025	Sep	--	--	0.4	0.9	0.9	0.7	0.7	0.5	0.5	4.1
2025	*Oct*	--	--	0.4	0.9	0.9	0.7	0.7	0.5	0.5	4.1
2025	*Nov*	--	--	0.4	0.9	0.9	0.7	0.7	0.5	0.5	4.1
2025	*Dec*	--	--	0.4	0.9	0.9	0.7	0.7	0.5	0.5	4.1
2026	*Jan*	--	--	0.4	0.8	0.8	0.6	0.7	0.4	0.5	3.6
2026	*Feb*	--	--	0.4	0.8	0.8	0.6	0.7	0.4	0.5	3.6
2026	*Mar*	--	--	0.4	0.8	0.8	0.6	0.7	0.4	0.5	3.6
2026	Apr	--	--	--	0.8	0.8	0.6	0.7	0.4	0.5	3.3
2026	May	--	--	--	0.8	0.8	0.6	0.7	0.0	0.5	2.9
2026	Jun	--	--	--	0.8	0.8	0.6	0.7	--	0.5	2.8
2026	Jul	--	--	--	0.8	0.8	0.6	0.7	--	0.5	2.8
2026	Aug	--	--	--	0.8	0.8	0.6	0.7	--	0.4	2.8
2026	Sep	--	--	--	0.8	0.8	0.6	0.7	--	0.0	2.8
2026	*Oct*	--	--	--	0.8	0.8	0.6	0.7	--		2.8
2026	*Nov*	--	--	--	0.8	0.8	0.6	0.7	--		2.8
2026	*Dec*	--	--	--	0.7	0.7	0.6	0.7	--		2.7
2027	*Jan*	--	--	--	0.0	0.0	0.6	0.6	--		1.2
2027	*Feb*	--	--	--	--	--	0.6	0.6	--		1.2
2027	*Mar*	--	--	--	--	--	0.6	0.6	--		1.2
2027	Apr	--	--	--	--	--	0.6	0.6	--		1.2
2027	May	--	--	--	--	--	0.6	0.6	--		1.2
2027	Jun	--	--	--	--	--	0.5	0.6	--		1.1
2027	Jul	--	--	--	--	--	0.0	0.6	--		0.6
2027	Aug	--	--	--	--	--	--	0.6	--		0.6
2027	Sep	--	--	--	--	--	--	0.6	--		0.6
2027	*Oct*	--	--	--	--	--	--	0.6	--		0.6
2027	*Nov*	--	--	--	--	--	--	0.6	--		0.6
2027	*Dec*	--	--	--	--	--	--	0.6	--		0.6
2028	*Jan*	--	--	--	--	--	--	0.5	--		0.5
2028	*Feb*	--	--	--	--	--	--	0.5	--		0.5
2028	*Mar*	--	--	--	--	--	--	0.5	--		0.5
2028	Apr	--	--	--	--	--	--	0.5	--		0.5
2028	May	--	--	--	--	--	--	0.5	--		0.5
2028	Jun	--	--	--	--	--	--	0.5	--		0.5
2028	Jul	--	--	--	--	--	--	0.0	--		0.0
2028	Aug	--	--	--	--	--	--	0.0	--		0.0

Scenario 2 - Mitigated - LST PM10 Total Emissions (lbs/day)											
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	Total Maximum Daily Emissions
2025	*Jan*	5.6	--	--	--	--	--	--	--		5.6
2025	*Feb*	3.0	--	--	--	--	--	--	--		3.0
2025	*Mar*	--	1.1	--	--	--	--	--	--		1.1
2025	Apr	--	0.9	0.5	--	--	--	--	--		1.3
2025	May	--	0.2	0.0	5.3	5.3	5.3	5.3	5.2	5.2	26.6
2025	Jun	--	--	0.0	5.3	5.3	5.3	5.3	0.1	0.1	21.3
2025	Jul	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.1	0.7
2025	Aug	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.1	0.7
2025	Sep	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.1	0.7
2025	*Oct*	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.1	0.7
2025	*Nov*	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.1	0.7
2025	*Dec*	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.1	0.7
2026	*Jan*	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.1	0.7
2026	*Feb*	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.1	0.7
2026	*Mar*	--	--	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.8
2026	Apr	--	--	--	0.2	0.2	0.1	0.1	0.1	0.1	0.7
2026	May	--	--	--	0.2	0.2	0.1	0.1	0.0	0.1	0.6
2026	Jun	--	--	--	0.2	0.2	0.1	0.1	--	0.1	0.6
2026	Jul	--	--	--	0.2	0.2	0.1	0.1	--	0.1	0.6
2026	Aug	--	--	--	0.2	0.2	0.1	0.1	--	0.1	0.6
2026	Sep	--	--	--	0.2	0.2	0.1	0.1	--	0.0	0.6
2026	*Oct*	--	--	--	0.2	0.2	0.1	0.1	--		0.6
2026	*Nov*	--	--	--	0.3	0.2	0.1	0.1	--		0.7
2026	*Dec*	--	--	--	0.3	0.2	0.1	0.1	--		0.7
2027	*Jan*	--	--	--	0.0	0.0	0.1	0.1	--		0.2
2027	*Feb*	--	--	--	--	--	0.1	0.1	--		0.2
2027	*Mar*	--	--	--	--	--	0.1	0.1	--		0.2
2027	Apr	--	--	--	--	--	0.1	0.1	--		0.2
2027	May	--	--	--	--	--	0.2	0.1	--		0.3
2027	Jun	--	--	--	--	--	0.2	0.1	--		0.3
2027	Jul	--	--	--	--	--	0.0	0.1	--		0.1
2027	Aug	--	--	--	--	--	--	0.1	--		0.1
2027	Sep	--	--	--	--	--	--	0.1	--		0.1
2027	*Oct*	--	--	--	--	--	--	0.1	--		0.1
2027	*Nov*	--	--	--	--	--	--	0.1	--		0.1
2027	*Dec*	--	--	--	--	--	--	0.1	--		0.1
2028	*Jan*	--	--	--	--	--	--	0.1	--		0.1
2028	*Feb*	--	--	--	--	--	--	0.1	--		0.1
2028	*Mar*	--	--	--	--	--	--	0.1	--		0.1
2028	Apr	--	--	--	--	--	--	0.2	--		0.2
2028	May	--	--	--	--	--	--	0.2	--		0.2
2028	Jun	--	--	--	--	--	--	0.2	--		0.2
2028	Jul	--	--	--	--	--	--	0.0	--		0.0
2028	Aug	--	--	--	--	--	--	0.0	--		0.0

Scenario 2 - Unmitigated - LST PM2.5 Exhaust Emissions (lbs/day)											
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	Total Maximum Daily Emissions
2025	*Jan*	2.8	--	--	--	--	--	--	--		2.8
2025	*Feb*	2.7	--	--	--	--	--	--	--		2.7
2025	*Mar*	--	1.3	--	--	--	--	--	--		1.3
2025	Apr	--	0.9	0.5	--	--	--	--	--		1.4
2025	May	--	0.4	0.4	1.7	1.6	1.5	1.5	1.3	1.3	8.4
2025	Jun	--	--	0.4	1.7	1.6	1.5	1.5	0.4	0.5	7.2
2025	Jul	--	--	0.4	0.8	0.8	0.7	0.7	0.4	0.5	3.7
2025	Aug	--	--	0.4	0.8	0.8	0.7	0.7	0.4	0.5	3.7
2025	Sep	--	--	0.4	0.8	0.8	0.7	0.7	0.4	0.5	3.7
2025	*Oct*	--	--	0.4	0.8	0.8	0.7	0.7	0.4	0.5	3.7
2025	*Nov*	--	--	0.4	0.8	0.8	0.7	0.7	0.4	0.5	3.7
2025	*Dec*	--	--	0.4	0.8	0.8	0.7	0.7	0.4	0.5	3.7
2026	*Jan*	--	--	0.4	0.7	0.7	0.6	0.6	0.4	0.4	3.3
2026	*Feb*	--	--	0.4	0.7	0.7	0.6	0.6	0.4	0.4	3.3
2026	*Mar*	--	--	0.4	0.7	0.7	0.6	0.6	0.4	0.4	3.3
2026	Apr	--	--	--	0.7	0.7	0.6	0.6	0.4	0.4	3.0
2026	May	--	--	--	0.7	0.7	0.6	0.6	0.0	0.4	2.6
2026	Jun	--	--	--	0.7	0.7	0.6	0.6	--	0.4	2.6
2026	Jul	--	--	--	0.7	0.7	0.6	0.6	--	0.4	2.6
2026	Aug	--	--	--	0.7	0.7	0.6	0.6	--	0.4	2.6
2026	Sep	--	--	--	0.7	0.7	0.6	0.6	--	0.0	2.6
2026	*Oct*	--	--	--	0.7	0.7	0.6	0.6	--		2.6
2026	*Nov*	--	--	--	0.7	0.7	0.6	0.6	--		2.6
2026	*Dec*	--	--	--	0.7	0.7	0.6	0.6	--		2.5
2027	*Jan*	--	--	--	0.0	0.0	0.5	0.6	--		1.1
2027	*Feb*	--	--	--	--	--	0.5	0.6	--		1.1
2027	*Mar*	--	--	--	--	--	0.5	0.6	--		1.1
2027	Apr	--	--	--	--	--	0.5	0.6	--		1.1
2027	May	--	--	--	--	--	0.5	0.6	--		1.1
2027	Jun	--	--	--	--	--	0.5	0.6	--		1.1
2027	Jul	--	--	--	--	--	0.0	0.6	--		0.6
2027	Aug	--	--	--	--	--	--	0.6	--		0.6
2027	Sep	--	--	--	--	--	--	0.6	--		0.6
2027	*Oct*	--	--	--	--	--	--	0.6	--		0.6
2027	*Nov*	--	--	--	--	--	--	0.6	--		0.6
2027	*Dec*	--	--	--	--	--	--	0.6	--		0.6
2028	*Jan*	--	--	--	--	--	--	0.5	--		0.5
2028	*Feb*	--	--	--	--	--	--	0.5	--		0.5
2028	*Mar*	--	--	--	--	--	--	0.5	--		0.5
2028	Apr	--	--	--	--	--	--	0.5	--		0.5
2028	May	--	--	--	--	--	--	0.5	--		0.5
2028	Jun	--	--	--	--	--	--	0.5	--		0.5
2028	Jul	--	--	--	--	--	--	0.0	--		0.0
2028	Aug	--	--	--	--	--	--	0.0	--		0.0

Scenario 2 - Mitigated - LST PM2.5 Exhaust Emissions (lbs/day)											
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	Total Maximum Daily Emissions
2025	*Jan*	0.6	--	--	--	--	--	--	--		0.6
2025	*Feb*	0.6	--	--	--	--	--	--	--		0.6
2025	*Mar*	--	0.2	--	--	--	--	--	--		0.2
2025	Apr	--	0.2	0.1	--	--	--	--	--		0.2
2025	May	--	0.2	0.0	0.2	0.2	0.2	0.2	0.1	0.1	1.1
2025	Jun	--	--	0.0	0.2	0.2	0.2	0.2	0.1	0.1	0.9
2025	Jul	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.1	0.7
2025	Aug	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.1	0.7
2025	Sep	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.1	0.7
2025	*Oct*	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.1	0.7
2025	*Nov*	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.1	0.7
2025	*Dec*	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.1	0.7
2026	*Jan*	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.1	0.7
2026	*Feb*	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.1	0.7
2026	*Mar*	--	--	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.7
2026	Apr	--	--	--	0.2	0.2	0.1	0.1	0.1	0.1	0.7
2026	May	--	--	--	0.2	0.2	0.1	0.1	0.0	0.1	0.6
2026	Jun	--	--	--	0.2	0.2	0.1	0.1	--	0.1	0.6
2026	Jul	--	--	--	0.2	0.2	0.1	0.1	--	0.1	0.6
2026	Aug	--	--	--	0.2	0.2	0.1	0.1	--	0.1	0.6
2026	Sep	--	--	--	0.2	0.2	0.1	0.1	--	0.0	0.6
2026	*Oct*	--	--	--	0.2	0.2	0.1	0.1	--		0.6
2026	*Nov*	--	--	--	0.3	0.2	0.1	0.1	--		0.7
2026	*Dec*	--	--	--	0.3	0.2	0.1	0.1	--		0.7
2027	*Jan*	--	--	--	0.0	0.0	0.1	0.1	--		0.2
2027	*Feb*	--	--	--	--	--	0.1	0.1	--		0.2
2027	*Mar*	--	--	--	--	--	0.1	0.1	--		0.2
2027	Apr	--	--	--	--	--	0.1	0.1	--		0.2
2027	May	--	--	--	--	--	0.2	0.1	--		0.3
2027	Jun	--	--	--	--	--	0.2	0.1	--		0.3
2027	Jul	--	--	--	--	--	0.0	0.1	--		0.1
2027	Aug	--	--	--	--	--	--	0.1	--		0.1
2027	Sep	--	--	--	--	--	--	0.1	--		0.1
2027	*Oct*	--	--	--	--	--	--	0.1	--		0.1
2027	*Nov*	--	--	--	--	--	--	0.1	--		0.1
2027	*Dec*	--	--	--	--	--	--	0.1	--		0.1
2028	*Jan*	--	--	--	--	--	--	0.1	--		0.1
2028	*Feb*	--	--	--	--	--	--	0.1	--		0.1
2028	*Mar*	--	--	--	--	--	--	0.1	--		0.1
2028	Apr	--	--	--	--	--	--	0.2	--		0.2
2028	May	--	--	--	--	--	--	0.2	--		0.2
2028	Jun	--	--	--	--	--	--	0.2	--		0.2
2028	Jul	--	--	--	--	--	--	0.0	--		0.0
2028	Aug	--	--	--	--	--	--	0.0	--		0.0

Scenario 2 - Unmitigated - LST PM2.5 Dust Emissions (lbs/day)											
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	Total Maximum Daily Emissions
2025	*Jan*	2.6	--	--	--	--	--	--	--		2.6
2025	*Feb*	1.0	--	--	--	--	--	--	--		1.0
2025	*Mar*	--	0.1	--	--	--	--	--	--		0.1
2025	Apr	--	0.1	0.1	--	--	--	--	--		0.1
2025	May	--	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6	13.2
2025	Jun	--	--	0.0	2.6	2.6	2.6	2.6	0.0	0.0	10.5
2025	Jul	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	Aug	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	Sep	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	*Oct*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	*Nov*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	*Dec*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	*Jan*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	*Feb*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	*Mar*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	Apr	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	May	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	Jun	--	--	--	0.0	0.0	0.0	0.0	--	0.0	0.0
2026	Jul	--	--	--	0.0	0.0	0.0	0.0	--	0.0	0.0
2026	Aug	--	--	--	0.0	0.0	0.0	0.0	--	0.0	0.0
2026	Sep	--	--	--	0.0	0.0	0.0	0.0	--	0.0	0.0
2026	*Oct*	--	--	--	0.0	0.0	0.0	0.0	--		0.0
2026	*Nov*	--	--	--	0.0	0.0	0.0	0.0	--		0.0
2026	*Dec*	--	--	--	0.0	0.0	0.0	0.0	--		0.0
2027	*Jan*	--	--	--	0.0	0.0	0.0	0.0	--		0.0
2027	*Feb*	--	--	--	--	--	0.0	0.0	--		0.0
2027	*Mar*	--	--	--	--	--	0.0	0.0	--		0.0
2027	Apr	--	--	--	--	--	0.0	0.0	--		0.0
2027	May	--	--	--	--	--	0.0	0.0	--		0.0
2027	Jun	--	--	--	--	--	0.0	0.0	--		0.0
2027	Jul	--	--	--	--	--	0.0	0.0	--		0.0
2027	Aug	--	--	--	--	--	--	0.0	--		0.0
2027	Sep	--	--	--	--	--	--	0.0	--		0.0
2027	*Oct*	--	--	--	--	--	--	0.0	--		0.0
2027	*Nov*	--	--	--	--	--	--	0.0	--		0.0
2027	*Dec*	--	--	--	--	--	--	0.0	--		0.0
2028	*Jan*	--	--	--	--	--	--	0.0	--		0.0
2028	*Feb*	--	--	--	--	--	--	0.0	--		0.0
2028	*Mar*	--	--	--	--	--	--	0.0	--		0.0
2028	Apr	--	--	--	--	--	--	0.0	--		0.0
2028	May	--	--	--	--	--	--	0.0	--		0.0
2028	Jun	--	--	--	--	--	--	0.0	--		0.0
2028	Jul	--	--	--	--	--	--	0.0	--		0.0
2028	Aug	--	--	--	--	--	--	0.0	--		0.0

Scenario 2 - Mitigated - LST PM2.5 Dust Emissions (lbs/day)											
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	Total Maximum Daily Emissions
2025	*Jan*	2.6	--	--	--	--	--	--	--		2.6
2025	*Feb*	1.0	--	--	--	--	--	--	--		1.0
2025	*Mar*	--	0.1	--	--	--	--	--	--		0.1
2025	Apr	--	0.1	0.1	--	--	--	--	--		0.1
2025	May	--	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6	13.2
2025	Jun	--	--	0.0	2.6	2.6	2.6	2.6	0.0	0.0	10.5
2025	Jul	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	Aug	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	Sep	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	*Oct*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	*Nov*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	*Dec*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	*Jan*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	*Feb*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	*Mar*	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	Apr	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	May	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	Jun	--	--	--	0.0	0.0	0.0	0.0	--	0.0	0.0
2026	Jul	--	--	--	0.0	0.0	0.0	0.0	--	0.0	0.0
2026	Aug	--	--	--	0.0	0.0	0.0	0.0	--	0.0	0.0
2026	Sep	--	--	--	0.0	0.0	0.0	0.0	--	0.0	0.0
2026	*Oct*	--	--	--	0.0	0.0	0.0	0.0	--		0.0
2026	*Nov*	--	--	--	0.0	0.0	0.0	0.0	--		0.0
2026	*Dec*	--	--	--	0.0	0.0	0.0	0.0	--		0.0
2027	*Jan*	--	--	--	0.0	0.0	0.0	0.0	--		0.0
2027	*Feb*	--	--	--	--	--	0.0	0.0	--		0.0
2027	*Mar*	--	--	--	--	--	0.0	0.0	--		0.0
2027	Apr	--	--	--	--	--	0.0	0.0	--		0.0
2027	May	--	--	--	--	--	0.0	0.0	--		0.0
2027	Jun	--	--	--	--	--	0.0	0.0	--		0.0
2027	Jul	--	--	--	--	--	0.0	0.0	--		0.0
2027	Aug	--	--	--	--	--	--	0.0	--		0.0
2027	Sep	--	--	--	--	--	--	0.0	--		0.0
2027	*Oct*	--	--	--	--	--	--	0.0	--		0.0
2027	*Nov*	--	--	--	--	--	--	0.0	--		0.0
2027	*Dec*	--	--	--	--	--	--	0.0	--		0.0
2028	*Jan*	--	--	--	--	--	--	0.0	--		0.0
2028	*Feb*	--	--	--	--	--	--	0.0	--		0.0
2028	*Mar*	--	--	--	--	--	--	0.0	--		0.0
2028	Apr	--	--	--	--	--	--	0.0	--		0.0
2028	May	--	--	--	--	--	--	0.0	--		0.0
2028	Jun	--	--	--	--	--	--	0.0	--		0.0
2028	Jul	--	--	--	--	--	--	0.0	--		0.0
2028	Aug	--	--	--	--	--	--	0.0	--		0.0

Scenario 2 - Unmitigated - LST PM2.5 Total Exhaust Emissions (lbs/day)											
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	Total Maximum Daily Emissions
2025	*Jan*	5.4	--	--	--	--	--	--	--		5.4
2025	*Feb*	3.7	--	--	--	--	--	--	--		3.7
2025	*Mar*	--	1.4	--	--	--	--	--	--		1.4
2025	Apr	--	1.0	0.5	--	--	--	--	--		1.5
2025	May	--	0.4	0.4	4.3	4.3	4.1	4.2	3.9	4.0	21.6
2025	Jun	--	--	0.4	4.3	4.3	4.1	4.2	0.4	0.5	17.7
2025	Jul	--	--	0.4	0.8	0.8	0.7	0.7	0.4	0.5	3.7
2025	Aug	--	--	0.4	0.8	0.8	0.7	0.7	0.4	0.5	3.7
2025	Sep	--	--	0.4	0.8	0.8	0.7	0.7	0.4	0.5	3.7
2025	*Oct*	--	--	0.4	0.8	0.8	0.7	0.7	0.4	0.5	3.7
2025	*Nov*	--	--	0.4	0.8	0.8	0.7	0.7	0.4	0.5	3.7
2025	*Dec*	--	--	0.4	0.8	0.8	0.7	0.7	0.4	0.5	3.7
2026	*Jan*	--	--	0.4	0.7	0.7	0.6	0.6	0.4	0.4	3.3
2026	*Feb*	--	--	0.4	0.7	0.7	0.6	0.6	0.4	0.4	3.3
2026	*Mar*	--	--	0.4	0.7	0.7	0.6	0.6	0.4	0.4	3.3
2026	Apr	--	--	--	0.7	0.7	0.6	0.6	0.4	0.4	3.0
2026	May	--	--	--	0.7	0.7	0.6	0.6	0.0	0.4	2.6
2026	Jun	--	--	--	0.7	0.7	0.6	0.6	--	0.4	2.6
2026	Jul	--	--	--	0.7	0.7	0.6	0.6	--	0.4	2.6
2026	Aug	--	--	--	0.7	0.7	0.6	0.6	--	0.4	2.6
2026	Sep	--	--	--	0.7	0.7	0.6	0.6	--	0.0	2.6
2026	*Oct*	--	--	--	0.7	0.7	0.6	0.6	--		2.6
2026	*Nov*	--	--	--	0.7	0.7	0.6	0.6	--		2.6
2026	*Dec*	--	--	--	0.7	0.7	0.6	0.6	--		2.5
2027	*Jan*	--	--	--	0.0	0.0	0.5	0.6	--		1.1
2027	*Feb*	--	--	--	--	--	0.5	0.6	--		1.1
2027	*Mar*	--	--	--	--	--	0.5	0.6	--		1.1
2027	Apr	--	--	--	--	--	0.5	0.6	--		1.1
2027	May	--	--	--	--	--	0.5	0.6	--		1.1
2027	Jun	--	--	--	--	--	0.5	0.6	--		1.1
2027	Jul	--	--	--	--	--	0.0	0.6	--		0.6
2027	Aug	--	--	--	--	--	--	0.6	--		0.6
2027	Sep	--	--	--	--	--	--	0.6	--		0.6
2027	*Oct*	--	--	--	--	--	--	0.6	--		0.6
2027	*Nov*	--	--	--	--	--	--	0.6	--		0.6
2027	*Dec*	--	--	--	--	--	--	0.6	--		0.6
2028	*Jan*	--	--	--	--	--	--	0.5	--		0.5
2028	*Feb*	--	--	--	--	--	--	0.5	--		0.5
2028	*Mar*	--	--	--	--	--	--	0.5	--		0.5
2028	Apr	--	--	--	--	--	--	0.5	--		0.5
2028	May	--	--	--	--	--	--	0.5	--		0.5
2028	Jun	--	--	--	--	--	--	0.5	--		0.5
2028	Jul	--	--	--	--	--	--	0.0	--		0.0
2028	Aug	--	--	--	--	--	--	0.0	--		0.0

Scenario 2 - Mitigated - LST PM2.5 Total Exhaust Emissions (lbs/day)											
Year	Month	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	Total Maximum Daily Emissions
2025	*Jan*	3.2	--	--	--	--	--	--	--		3.2
2025	*Feb*	1.5	--	--	--	--	--	--	--		1.5
2025	*Mar*	--	0.3	--	--	--	--	--	--		0.3
2025	Apr	--	0.2	0.1	--	--	--	--	--		0.3
2025	May	--	0.2	0.0	2.8	2.8	2.8	2.8	2.7	2.8	14.2
2025	Jun	--	--	0.0	2.8	2.8	2.8	2.8	0.1	0.1	11.4
2025	Jul	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.1	0.7
2025	Aug	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.1	0.7
2025	Sep	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.1	0.7
2025	*Oct*	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.1	0.7
2025	*Nov*	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.1	0.7
2025	*Dec*	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.1	0.7
2026	*Jan*	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.1	0.7
2026	*Feb*	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.1	0.7
2026	*Mar*	--	--	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.7
2026	Apr	--	--	--	0.2	0.2	0.1	0.1	0.1	0.1	0.7
2026	May	--	--	--	0.2	0.2	0.1	0.1	0.0	0.1	0.6
2026	Jun	--	--	--	0.2	0.2	0.1	0.1	--	0.1	0.6
2026	Jul	--	--	--	0.2	0.2	0.1	0.1	--	0.1	0.6
2026	Aug	--	--	--	0.2	0.2	0.1	0.1	--	0.1	0.6
2026	Sep	--	--	--	0.2	0.2	0.1	0.1	--	0.0	0.6
2026	*Oct*	--	--	--	0.2	0.2	0.1	0.1	--		0.6
2026	*Nov*	--	--	--	0.3	0.2	0.1	0.1	--		0.7
2026	*Dec*	--	--	--	0.3	0.2	0.1	0.1	--		0.7
2027	*Jan*	--	--	--	0.0	0.0	0.1	0.1	--		0.2
2027	*Feb*	--	--	--	--	--	0.1	0.1	--		0.2
2027	*Mar*	--	--	--	--	--	0.1	0.1	--		0.2
2027	Apr	--	--	--	--	--	0.1	0.1	--		0.2
2027	May	--	--	--	--	--	0.2	0.1	--		0.3
2027	Jun	--	--	--	--	--	0.2	0.1	--		0.3
2027	Jul	--	--	--	--	--	0.0	0.1	--		0.1
2027	Aug	--	--	--	--	--	--	0.1	--		0.1
2027	Sep	--	--	--	--	--	--	0.1	--		0.1
2027	*Oct*	--	--	--	--	--	--	0.1	--		0.1
2027	*Nov*	--	--	--	--	--	--	0.1	--		0.1
2027	*Dec*	--	--	--	--	--	--	0.1	--		0.1
2028	*Jan*	--	--	--	--	--	--	0.1	--		0.1
2028	*Feb*	--	--	--	--	--	--	0.1	--		0.1
2028	*Mar*	--	--	--	--	--	--	0.1	--		0.1
2028	Apr	--	--	--	--	--	--	0.2	--		0.2
2028	May	--	--	--	--	--	--	0.2	--		0.2
2028	Jun	--	--	--	--	--	--	0.2	--		0.2
2028	Jul	--	--	--	--	--	--	0.0	--		0.0
2028	Aug	--	--	--	--	--	--	0.0	--		0.0

Maximum Buildout Scenario - Summer - On-Site - Unmitigated - Maximum Daily ROG Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	1.3	5.3	5.2	4.6	4.9	3.7
Grading	--	--	--	--	--	--	--	--
Dust Control	7.7	--	--	--	--	--	--	--
Utility Installation	--	3.0	--	--	--	--	--	--
Building Construction	--	--	1.3	3.1	3.0	2.4	2.7	1.5
Paving	--	1.3	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	3.0	3.0	2.3	2.6	1.5
Paving	--	--	--	--	--	--	--	2.1
Architectural Coating	--	--	--	--	--	--	--	126.1
2027								
Building Construction	--	--	--	--	--	2.3	2.6	--
Paving	--	--	--	--	--	4.1	--	--
Architectural Coating	--	--	--	--	--	253.1	--	--
2028								
Building Construction	--	--	--	--	--	--	2.5	--
Paving	--	--	--	--	--	--	4.0	--
Architectural Coating	--	--	--	--	--		186.1	--

Maximum Buildout Scenario - Summer - Off-Site - Unmitigated - Maximum Daily ROG Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	0.1	0.2	0.2	0.1	0.1	0.1
Grading	--	--	--	--	--	--	--	--
Dust Control	0.2	--	--	--	--	--	--	--
Utility Installation	--	0.2	--	--	--	--	--	--
Building Construction	--	--	0.0	2.1	2.3	4.8	6.4	1.6
Paving	--	0.2	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	1.8	2.0	4.1	5.5	1.4
Paving	--	--	--	--	--	--	--	0.1
Architectural Coating	--	--	--	--	--	--	--	0.3
2027								
Building Construction	--	--	--	--	--	3.9	5.2	--
Paving	--	--	--	--	--	0.1	--	--
Architectural Coating	--	--	--	--	--	0.8	--	--
2028								
Building Construction	--	--	--	--	--	--	5.0	--
Paving	--	--	--	--	--	--	0.1	--
Architectural Coating	--	--	--	--	--		1.0	--

Maximum Buildout Scenario - Summer - Total - Unmitigated - Maximum Daily ROG Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	1.4	5.5	5.4	4.7	5.0	3.8
Grading	--	--	--	--	--	--	--	--
Dust Control	7.9	--	--	--	--	--	--	--
Utility Installation	--	3.1	--	--	--	--	--	--
Building Construction	--	--	1.4	5.2	5.3	7.2	9.1	3.1
Paving	--	1.5	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	4.8	5.0	6.5	8.2	2.8
Paving	--	--	--	--	--	--	--	2.2
Architectural Coating	--	--	--	--	--	--	--	126.4
2027								
Building Construction	--	--	--	--	--	6.2	7.8	--
Paving	--	--	--	--	--	4.2	--	--
Architectural Coating	--	--	--	--	--	253.9	--	--
2028								
Building Construction	--	--	--	--	--	--	7.5	--
Paving	--	--	--	--	--	--	4.1	--
Architectural Coating	--	--	--	--	--		187.1	--

Maximum Buildout Scenario - Summer - On-Site - Mitigated - Maximum Daily ROG Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	0.3	1.1	1.0	0.9	0.9	0.6
Grading	--	--	--	--	--	--	--	--
Dust Control	2.2	--	--	--	--	--	--	--
Utility Installation	--	4.1	--	--	--	--	--	--
Building Construction	--	--	0.2	1.0	0.7	0.6	0.6	0.3
Paving	--	0.7	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	1.0	0.7	0.6	0.6	0.3
Paving	--	--	--	--	--	--	--	1.5
Architectural Coating	--	--	--	--	--	--	--	28.8
2027								
Building Construction	--	--	--	--	--	0.6	0.6	--
Paving	--	--	--	--	--	2.8	--	--
Architectural Coating	--	--	--	--	--	58.3	--	--
2028								
Building Construction	--	--	--	--	--	--	0.6	--
Paving	--	--	--	--	--	--	2.6	--
Architectural Coating	--	--	--	--	--	--	43.2	--

Maximum Buildout Scenario - Summer - Off-Site - Mitigated - Maximum Daily ROG Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	0.1	0.2	0.2	0.1	0.1	0.1
Grading	--	--	--	--	--	--	--	--
Dust Control	0.2	--	--	--	--	--	--	--
Utility Installation	--	0.2	--	--	--	--	--	--
Building Construction	--	--	0.0	2.1	2.3	4.8	6.4	1.6
Paving	--	0.2	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	1.8	2.0	4.1	5.5	1.4
Paving	--	--	--	--	--	--	--	0.1
Architectural Coating	--	--	--	--	--	--	--	0.3
2027								
Building Construction	--	--	--	--	--	3.9	5.2	--
Paving	--	--	--	--	--	0.1	--	--
Architectural Coating	--	--	--	--	--	0.8	--	--
2028								
Building Construction	--	--	--	--	--	--	5.0	--
Paving	--	--	--	--	--	--	0.1	--
Architectural Coating	--	--	--	--	--	--	1.0	--

Maximum Buildout Scenario - Summer - Total - Mitigated - Maximum Daily ROG Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	0.4	1.2	1.2	1.0	1.1	0.7
Grading	--	--	--	--	--	--	--	--
Dust Control	2.4	--	--	--	--	--	--	--
Utility Installation	--	4.3	--	--	--	--	--	--
Building Construction	--	--	0.2	3.1	3.0	5.3	7.0	1.9
Paving	--	0.8	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	2.9	2.7	4.7	6.2	1.7
Paving	--	--	--	--	--	--	--	1.5
Architectural Coating	--	--	--	--	--	--	--	29.1
2027								
Building Construction	--	--	--	--	--	4.5	5.9	--
Paving	--	--	--	--	--	2.9	--	--
Architectural Coating	--	--	--	--	--	59.1	--	--
2028								
Building Construction	--	--	--	--	--	--	5.6	--
Paving	--	--	--	--	--	--	2.7	--
Architectural Coating	--	--	--	--	--	--	44.2	--

Maximum Buildout Scenario - Winter - On-Site - Unmitigated - Maximum Daily ROG Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	11.0	3.8	--	--	--	--	--	--
Grading	11.0	--	--	--	--	--	--	--
Dust Control	7.7	--	--	--	--	--	--	--
Utility Installation	--	3.0	--	--	--	--	--	--
Building Construction	--	--	1.3	3.1	3.0	2.4	2.7	1.5
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	1.3	3.0	3.0	2.3	2.6	1.5
Paving	--	--	0.8	5.1	4.7	--	--	--
Architectural Coating	--	--	33.0	277.1	302.1	--	--	--
2027								
Building Construction	--	--	--	--	--	2.3	2.6	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	277.1	302.1	--	--	--
2028								
Building Construction	--	--	--	--	--	--	2.5	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--		--	--

Maximum Buildout Scenario - Winter - Off-Site - Unmitigated - Maximum Daily ROG Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	0.3	0.3	--	--	--	--	--	--
Grading	0.3	--	--	--	--	--	--	--
Dust Control	0.2	--	--	--	--	--	--	--
Utility Installation	--	0.1	--	--	--	--	--	--
Building Construction	--	--	0.0	1.6	1.7	3.6	4.8	1.2
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.0	1.5	1.7	3.4	4.6	1.1
Paving	--	--	0.1	0.1	0.1	--	--	--
Architectural Coating	--	--	0.0	0.3	0.3	--	--	--
2027								
Building Construction	--	--	--	--	--	3.3	4.4	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.3	0.3		--	--
2028								
Building Construction	--	--	--	--	--	--	4.2	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--		--	--

Maximum Buildout Scenario - Winter - Total - Unmitigated - Maximum Daily ROG Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	11.3	4.1	--	--	--	--	--	--
Grading	11.3	--	--	--	--	--	--	--
Dust Control	7.9	--	--	--	--	--	--	--
Utility Installation	--	3.1	--	--	--	--	--	--
Building Construction	--	--	1.4	4.7	4.8	6.0	7.5	2.7
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	1.3	4.5	4.6	5.8	7.2	2.6
Paving	--	--	0.8	5.2	4.8	--	--	--
Architectural Coating	--	--	33.0	277.4	302.4	--	--	--
2027								
Building Construction	--	--	--	--	--	5.6	7.0	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	277.4	302.4	--	--	--
2028								
Building Construction	--	--	--	--	--	--	6.7	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--		--	--

Maximum Buildout Scenario - Winter - On-Site - Mitigated - Maximum Daily ROG Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	2.7	1.1	--	--	--	--	--	--
Grading	2.9	--	--	--	--	--	--	--
Dust Control	2.2	--	--	--	--	--	--	--
Utility Installation	--	4.1	--	--	--	--	--	--
Building Construction	--	--	0.2	1.0	0.7	0.6	0.6	0.3
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.2	1.0	0.7	0.6	0.6	0.3
Paving	--	--	0.4	3.6	3.0	--	--	--
Architectural Coating	--	--	3.3	37.7	38.9	--	--	--
2027								
Building Construction	--	--	--	--	--	0.6	0.6	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	37.7	38.9	--	--	--
2028								
Building Construction	--	--	--	--	--	--	0.6	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--

Maximum Buildout Scenario - Winter - Off-Site - Mitigated - Maximum Daily ROG Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	0.3	0.3	--	--	--	--	--	--
Grading	0.3	--	--	--	--	--	--	--
Dust Control	0.2	--	--	--	--	--	--	--
Utility Installation	--	0.1	--	--	--	--	--	--
Building Construction	--	--	0.0	1.6	1.7	3.6	6.4	1.2
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.0	1.5	1.7	3.4	4.6	1.1
Paving	--	--	0.1	0.1	0.1	--	--	--
Architectural Coating	--	--	0.0	0.3	0.3	--	--	--
2027								
Building Construction	--	--	--	--	--	3.3	4.4	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.3	0.3	--	--	--
2028								
Building Construction	--	--	--	--	--	--	4.2	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--

Maximum Buildout Scenario - Winter - Total - Mitigated - Maximum Daily ROG Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	2.9	1.4	--	--	--	--	--	--
Grading	3.1	--	--	--	--	--	--	--
Dust Control	2.3	--	--	--	--	--	--	--
Utility Installation	--	4.2	--	--	--	--	--	--
Building Construction	--	--	0.2	2.6	2.5	4.2	7.0	1.5
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.2	2.5	2.4	4.0	5.2	1.5
Paving	--	--	0.5	3.7	3.1	--	--	--
Architectural Coating	--	--	3.3	38.0	39.2	--	--	--
2027								
Building Construction	--	--	--	--	--	3.8	5.0	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	38.0	39.2		--	--
2028								
Building Construction	--	--	--	--	--	--	4.8	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--

S2 - Summer - On-Site - Unmitigated - Maximum Daily ROG Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	1.3	5.3	5.2	4.6	4.7	3.5	3.7
Grading	--	--	--	--	--	--	--	--	--
Dust Control	7.7	--	--	--	--	--	--	--	--
Utility Installation	--	3.0	--	--	--	--	--	--	--
Building Construction	--	--	1.3	3.1	3.0	2.4	2.5	1.3	1.5
Paving	--	1.3	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	3.0	3.0	2.3	2.4	1.3	1.5
Paving	--	--	--	--	--	--	--	1.6	1.7
Architectural Coating	--	--	--	--	--	--	--	8.8	116.1
2027									
Building Construction	--	--	--	--	--	2.3	2.4	--	--
Paving	--	--	--	--	--	4.2	--	--	--
Architectural Coating	--	--	--	--	--	109.1	--	--	--
2028									
Building Construction	--	--	--	--	--	--	2.3	--	--
Paving	--	--	--	--	--	--	3.5	--	--
Architectural Coating	--	--	--	--	--	--	101.1	--	--

S2 - Summer - Off-Site - Unmitigated - Maximum Daily ROG Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	0.1	0.2	0.2	0.1	0.1	0.1	0.1
Grading	--	--	--	--	--	--	--	--	--
Dust Control	0.2	--	--	--	--	--	--	--	--
Utility Installation	--	0.2	--	--	--	--	--	--	--
Building Construction	--	--	0.0	2.1	2.3	1.8	3.1	0.0	0.6
Paving	--	0.2	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	1.8	2.0	1.5	2.7	0.0	0.5
Paving	--	--	--	--	--	--	--	0.1	0.1
Architectural Coating	--	--	--	--	--	--	--	0.0	0.1
2027									
Building Construction	--	--	--	--	--	1.4	2.6	--	--
Paving	--	--	--	--	--	0.1	--	--	--
Architectural Coating	--	--	--	--	--	0.3	--	--	--
2028									
Building Construction	--	--	--	--	--	--	2.4	--	--
Paving	--	--	--	--	--	--	0.1	--	--
Architectural Coating	--	--	--	--	--	--	0.5	--	--

S2 - Summer - Total - Unmitigated - Maximum Daily ROG Emissions (lbs/day)										
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	#
2025										
Site Preparation	--	--	1.4	5.5	5.4	4.7	4.8	3.6	3.8	
Grading	--	--	--	--	--	--	--	--	--	
Dust Control	7.9	--	--	--	--	--	--	--	--	
Utility Installation	--	3.1	--	--	--	--	--	--	--	
Building Construction	--	--	1.4	5.2	5.3	4.2	5.6	1.3	2.1	
Paving	--	1.5	--	--	--	--	--	--	0.0	
Architectural Coating	--	--	--	--	--	--	--	--	0.0	
2026										
Building Construction	--	--	--	4.8	5.0	3.9	5.1	1.3	2.0	
Paving	--	--	--	--	--	--	--	1.7	1.8	
Architectural Coating	--	--	--	--	--	--	--	8.8	116.2	
2027										
Building Construction	--	--	--	--	--	3.7	5.0	--	--	
Paving	--	--	--	--	--	4.3	--	--	--	
Architectural Coating	--	--	--	--	--	109.4	--	--	--	
2028										
Building Construction	--	--	--	--	--	--	4.8	--	--	
Paving	--	--	--	--	--	--	3.6	--	--	
Architectural Coating	--	--	--	--	--	--	101.6	--	--	

S2 - Summer - On-Site - Mitigated - Maximum Daily ROG Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	0.3	1.1	1.0	0.9	0.9	0.6	0.6
Grading	--	--	--	--	--	--	--	--	--
Dust Control	2.2	--	--	--	--	--	--	--	--
Utility Installation	--	4.1	--	--	--	--	--	--	--
Building Construction	--	--	0.2	1.0	0.7	0.6	0.6	0.3	0.6
Paving	--	0.7	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	1.0	0.7	0.6	0.6	0.3	0.6
Paving	--	--	--	--	--	--	--	1.2	1.0
Architectural Coating	--	--	--	--	--	--	--	8.7	13.7
2027									
Building Construction	--	--	--	--	--	0.6	0.6	--	--
Paving	--	--	--	--	--	2.9	--	--	--
Architectural Coating	--	--	--	--	--	29.9	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.6	--	--
Paving	--	--	--	--	--	--	2.2	--	--
Architectural Coating	--	--	--	--	--	--	24.2	--	--

S2 - Summer - Off-Site - Mitigated - Maximum Daily ROG Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	0.1	0.2	0.2	0.1	0.1	0.1	0.1
Grading	--	--	--	--	--	--	--	--	--
Dust Control	0.2	--	--	--	--	--	--	--	--
Utility Installation	--	0.2	--	--	--	--	--	--	--
Building Construction	--	--	0.0	2.1	2.3	1.8	3.1	0.0	0.6
Paving	--	0.2	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	1.8	2.0	1.5	2.7	0.0	0.5
Paving	--	--	--	--	--	--	--	0.1	0.1
Architectural Coating	--	--	--	--	--	--	--	0.0	0.1
2027									
Building Construction	--	--	--	--	--	1.4	2.6	--	--
Paving	--	--	--	--	--	0.1	--	--	--
Architectural Coating	--	--	--	--	--	0.3	--	--	--
2028									
Building Construction	--	--	--	--	--	--	2.4	--	--
Paving	--	--	--	--	--	--	0.1	--	--
Architectural Coating	--	--	--	--	--	--	0.5	--	--

S2 - Summer - Total - Mitigated - Maximum Daily ROG Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	0.4	1.2	1.2	1.0	1.0	0.7	0.7
Grading	--	--	--	--	--	--	--	--	--
Dust Control	2.4	--	--	--	--	--	--	--	--
Utility Installation	--	4.3	--	--	--	--	--	--	--
Building Construction	--	--	0.2	3.1	3.0	2.3	3.7	0.3	1.2
Paving	--	0.8	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	2.9	2.7	2.1	3.3	0.3	1.1
Paving	--	--	--	--	--	--	--	1.3	1.1
Architectural Coating	--	--	--	--	--	--	--	8.7	13.8
2027									
Building Construction	--	--	--	--	--	2.0	3.1	--	--
Paving	--	--	--	--	--	3.0	--	--	--
Architectural Coating	--	--	--	--	--	30.2	--	--	--
2028									
Building Construction	--	--	--	--	--	--	3.0	--	--
Paving	--	--	--	--	--	--	2.3	--	--
Architectural Coating	--	--	--	--	--	--	24.7	--	--

S2 - Winter - On-Site - Unmitigated - Maximum Daily ROG Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	11.0	3.8	--	--	--	--	--	--	--
Grading	11.0	--	--	--	--	--	--	--	--
Dust Control	7.7	--	--	--	--	--	--	--	--
Utility Installation	--	3.0	--	--	--	--	--	--	--
Building Construction	--	--	1.3	3.1	3.0	2.4	2.5	1.3	1.5
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	1.3	3.0	3.0	2.3	2.4	1.3	1.5
Paving	--	--	0.8	5.1	4.7	--	--	--	--
Architectural Coating	--	--	33.0	277.1	302.1	--	--	--	--
2027									
Building Construction	--	--	--	--	--	2.3	2.4	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	277.1	302.1	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	2.3	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - Off-Site - Unmitigated - Maximum Daily ROG Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	0.3	0.3	--	--	--	--	--	--	--
Grading	0.3	--	--	--	--	--	--	--	--
Dust Control	0.2	--	--	--	--	--	--	--	--
Utility Installation	--	0.1	--	--	--	--	--	--	--
Building Construction	--	--	0.0	1.6	1.7	1.3	2.4	0.0	0.4
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	0.0	1.5	1.7	1.3	2.2	0.0	0.4
Paving	--	--	0.1	0.1	0.1	--	--	--	--
Architectural Coating	--	--	0.0	0.3	0.3	--	--	--	--
2027									
Building Construction	--	--	--	--	--	1.2	2.1	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.3	0.3	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	2.0	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - Total - Unmitigated - Maximum Daily ROG Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	11.3	4.1	--	--	--	--	--	--	--
Grading	11.3	--	--	--	--	--	--	--	--
Dust Control	7.9	--	--	--	--	--	--	--	--
Utility Installation	--	3.1	--	--	--	--	--	--	--
Building Construction	--	--	1.4	4.7	4.8	3.7	4.8	1.3	2.0
Paving	--	--	--	--	--	--	--	--	0.0
Architectural Coating	--	--	--	--	--	--	--	--	0.0
2026									
Building Construction	--	--	1.3	4.5	4.6	3.6	4.7	1.3	1.9
Paving	--	--	0.8	5.2	4.8	--	--	--	--
Architectural Coating	--	--	33.0	277.4	302.4	--	--	--	--
2027									
Building Construction	--	--	--	--	--	3.5	4.5	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	277.4	302.4	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	4.4	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - On-Site - Mitigated - Maximum Daily ROG Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	2.7	1.1	--	--	--	--	--	--	--
Grading	2.9	--	--	--	--	--	--	--	
Dust Control	2.2	--	--	--	--	--	--	--	
Utility Installation	--	4.1	--	--	--	--	--	--	
Building Construction	--	--	0.2	1.0	0.7	0.6	0.6	0.3	0.6
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	0.2	1.0	0.7	0.6	0.6	0.3	0.6
Paving	--	--	0.4	3.6	3.0	--	--	--	--
Architectural Coating	--	--	3.3	37.7	38.9	--	--	--	--
2027									
Building Construction	--	--	--	--	--	0.6	0.6	--	
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	37.7	38.9	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.6	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - Off-Site - Mitigated - Maximum Daily ROG Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	0.3	0.3	--	--	--	--	--	--	--
Grading	0.3	--	--	--	--	--	--	--	--
Dust Control	0.2	--	--	--	--	--	--	--	--
Utility Installation	--	0.1	--	--	--	--	--	--	--
Building Construction	--	--	0.0	1.6	1.7	1.3	2.4	0.0	0.4
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	0.0	1.5	1.7	1.3	2.2	0.0	0.4
Paving	--	--	0.1	0.1	0.1	--	--	--	--
Architectural Coating	--	--	0.0	0.3	0.3	--	--	--	--
2027									
Building Construction	--	--	--	--	--	1.2	2.1	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.3	0.3	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	2.0	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - Total - Mitigated - Maximum Daily ROG Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	2.9	1.4	--	--	--	--	--	--	--
Grading	3.1	--	--	--	--	--	--	--	--
Dust Control	2.3	--	--	--	--	--	--	--	--
Utility Installation	--	4.2	--	--	--	--	--	--	--
Building Construction	--	--	0.2	2.6	2.5	1.9	2.9	0.3	1.0
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	0.2	2.5	2.4	1.8	2.8	0.3	1.0
Paving	--	--	0.5	3.7	3.1	--	--	--	--
Architectural Coating	--	--	3.3	38.0	39.2	--	--	--	--
2027									
Building Construction	--	--	--	--	--	1.8	2.7	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	38.0	39.2	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	2.6	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

Maximum Buildout Scenario - Summer - On-Site - Unmitigated - Maximum Daily NOx Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	11.5	43.8	43.3	39.5	41.2	34.1
Grading	--	--	--	--	--	--	--	--
Dust Control	46.9	--	--	--	--	--	--	--
Utility Installation	--	25.6	--	--	--	--	--	--
Building Construction	--	--	11.2	22.6	22.1	18.3	20.0	12.9
Paving	--	10.4	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	21.1	20.7	17.2	18.7	12.1
Paving	--	--	--	--	--	--	--	9.4
Architectural Coating	--	--	--	--	--	--	--	0.9
2027								
Building Construction	--	--	--	--	--	16.4	17.9	--
Paving	--	--	--	--	--	13.9	--	--
Architectural Coating	--	--	--	--	--	0.8	--	--
2028								
Building Construction	--	--	--	--	--	--	16.7	--
Paving	--	--	--	--	--	--	14.4	--
Architectural Coating	--	--	--	--	--		0.8	--

Maximum Buildout Scenario - Summer - Off-Site - Unmitigated - Maximum Daily NOx Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	2.9	0.2	0.2	0.1	0.1	0.1
Grading	--	--	--	--	--	--	--	--
Dust Control	0.2	--	--	--	--	--	--	--
Utility Installation	--	0.2	--	--	--	--	--	--
Building Construction	--	--	0.2	6.6	7.3	8.9	12.0	3.0
Paving	--	2.9	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	6.2	6.9	8.3	11.3	2.8
Paving	--	--	--	--	--	--	--	0.1
Architectural Coating	--	--	--	--	--	--	--	0.3
2027								
Building Construction	--	--	--	--	--	7.8	10.5	--
Paving	--	--	--	--	--	0.1	--	--
Architectural Coating	--	--	--	--	--	0.8	--	--
2028								
Building Construction	--	--	--	--	--	--	9.7	--
Paving	--	--	--	--	--	--	0.1	--
Architectural Coating	--	--	--	--	--		0.9	--

Maximum Buildout Scenario - Summer - Total - Unmitigated - Maximum Daily NOx Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	14.4	44.0	43.5	39.6	41.3	34.2
Grading	--	--	--	--	--	--	--	--
Dust Control	47.1	--	--	--	--	--	--	--
Utility Installation	--	25.8	--	--	--	--	--	--
Building Construction	--	--	11.4	29.2	29.4	27.2	32.0	15.9
Paving	--	13.3	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	27.3	27.6	25.5	30.0	14.9
Paving	--	--	--	--	--	--	--	9.5
Architectural Coating	--	--	--	--	--	--	--	1.1
2027								
Building Construction	--	--	--	--	--	24.2	28.4	--
Paving	--	--	--	--	--	14.0	--	--
Architectural Coating	--	--	--	--	--	1.6	--	--
2028								
Building Construction	--	--	--	--	--	--	26.4	--
Paving	--	--	--	--	--	--	14.5	--
Architectural Coating	--	--	--	--	--		1.7	--

Maximum Buildout Scenario - Summer - On-Site - Mitigated - Maximum Daily NOx Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	1.5	5.5	5.4	4.5	4.9	3.2
Grading	--	--	--	--	--	--	--	--
Dust Control	11.2	--	--	--	--	--	--	--
Utility Installation	--	4.1	--	--	--	--	--	--
Building Construction	--	--	0.9	5.8	3.8	2.9	3.3	1.6
Paving	--	3.9	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	5.6	3.8	2.9	3.3	1.6
Paving	--	--	--	--	--	--	--	2.9
Architectural Coating	--	--	--	--	--	--	--	0.0
2027								
Building Construction	--	--	--	--	--	2.9	3.3	--
Paving	--	--	--	--	--	4.2	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--
2028								
Building Construction	--	--	--	--	--	--	3.3	--
Paving	--	--	--	--	--	--	4.6	--
Architectural Coating	--	--	--	--	--	--	0.0	--

Maximum Buildout Scenario - Summer - Off-Site - Mitigated - Maximum Daily NOx Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	2.9	0.2	0.2	0.1	0.1	0.1
Grading	--	--	--	--	--	--	--	--
Dust Control	0.2	--	--	--	--	--	--	--
Utility Installation	--	0.2	--	--	--	--	--	--
Building Construction	--	--	0.2	6.6	7.3	8.9	12.0	3.0
Paving	--	2.9	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	6.2	6.9	8.3	11.3	2.8
Paving	--	--	--	--	--	--	--	0.1
Architectural Coating	--	--	--	--	--	--	--	0.3
2027								
Building Construction	--	--	--	--	--	7.8	10.5	--
Paving	--	--	--	--	--	0.1	--	--
Architectural Coating	--	--	--	--	--	0.8	--	--
2028								
Building Construction	--	--	--	--	--	--	9.7	--
Paving	--	--	--	--	--	--	0.1	--
Architectural Coating	--	--	--	--	--	--	0.9	--

Maximum Buildout Scenario - Summer - Total - Mitigated - Maximum Daily NOx Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	4.4	5.7	5.6	4.6	5.0	3.3
Grading	--	--	--	--	--	--	--	--
Dust Control	11.4	--	--	--	--	--	--	--
Utility Installation	--	4.3	--	--	--	--	--	--
Building Construction	--	--	1.1	12.4	11.1	11.8	15.3	4.6
Paving	--	6.8	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	11.8	10.7	11.2	14.6	4.4
Paving	--	--	--	--	--	--	--	3.0
Architectural Coating	--	--	--	--	--	--	--	0.3
2027								
Building Construction	--	--	--	--	--	10.7	13.8	--
Paving	--	--	--	--	--	4.3	--	--
Architectural Coating	--	--	--	--	--	0.8	--	--
2028								
Building Construction	--	--	--	--	--	--	13.0	--
Paving	--	--	--	--	--	--	4.7	--
Architectural Coating	--	--	--	--	--	--	0.9	--

Maximum Buildout Scenario - Winter - On-Site - Unmitigated - Maximum Daily NOx Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	78.6	31.2	--	--	--	--	--	--
Grading	77.4	--	--	--	--	--	--	--
Dust Control	46.9	--	--	--	--	--	--	--
Utility Installation	--	25.6	--	--	--	--	--	--
Building Construction	--	--	11.2	22.6	22.1	18.3	20.0	12.9
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	10.7	21.1	20.7	17.2	18.7	12.1
Paving	--	--	6.5	18.4	18.0	--	--	--
Architectural Coating	--	--	0.9	0.9	0.9	--	--	--
2027								
Building Construction	--	--	--	--	--	16.4	17.9	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.8	0.8	--	--	--
2028								
Building Construction	--	--	--	--	--	--	16.7	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--		--	--

Maximum Buildout Scenario - Winter - Off-Site - Unmitigated - Maximum Daily NOx Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	0.4	12.5	--	--	--	--	--	--
Grading	0.9	--	--	--	--	--	--	--
Dust Control	0.3	--	--	--	--	--	--	--
Utility Installation	--	0.2	--	--	--	--	--	--
Building Construction	--	--	0.3	7.1	7.8	9.6	13.0	3.2
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.2	6.7	7.4	9.0	12.2	3.0
Paving	--	--	0.1	0.1	0.1	--	--	--
Architectural Coating	--	--	0.0	0.4	0.4	--	--	--
2027								
Building Construction	--	--	--	--	--	8.4	11.3	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.3	0.4		--	--
2028								
Building Construction	--	--	--	--	--	--	10.6	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--		--	--

Maximum Buildout Scenario - Winter - Total - Unmitigated - Maximum Daily NOx Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	79.0	43.7	--	--	--	--	--	--
Grading	78.3	--	--	--	--	--	--	--
Dust Control	47.2	--	--	--	--	--	--	--
Utility Installation	--	25.8	--	--	--	--	--	--
Building Construction	--	--	11.5	29.7	29.9	27.9	33.0	16.1
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	10.9	27.8	28.1	26.2	30.9	15.1
Paving	--	--	6.6	18.5	18.1	--	--	--
Architectural Coating	--	--	0.9	1.2	1.3	--	--	--
2027								
Building Construction	--	--	--	--	--	24.8	29.2	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	1.2	1.2	--	--	--
2028								
Building Construction	--	--	--	--	--	--	27.3	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--		--	--

Maximum Buildout Scenario - Winter - On-Site - Mitigated - Maximum Daily NOx Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	13.8	6.1	--	--	--	--	--	--
Grading	14.9	--	--	--	--	--	--	--
Dust Control	11.2	--	--	--	--	--	--	--
Utility Installation	--	4.1	--	--	--	--	--	--
Building Construction	--	--	0.9	5.8	3.8	2.9	3.3	1.6
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.9	5.6	3.8	2.9	3.3	1.6
Paving	--	--	2.8	6.9	5.2	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--
2027								
Building Construction	--	--	--	--	--	2.9	3.3	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--
2028								
Building Construction	--	--	--	--	--	--	3.3	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--

Maximum Buildout Scenario - Winter - Off-Site - Mitigated - Maximum Daily NOx Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	0.4	12.5	--	--	--	--	--	--
Grading	0.9	--	--	--	--	--	--	--
Dust Control	0.3	--	--	--	--	--	--	--
Utility Installation	--	0.2	--	--	--	--	--	--
Building Construction	--	--	0.3	7.1	7.8	9.6	12.0	3.2
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.2	6.7	7.4	9.0	12.2	3.0
Paving	--	--	0.1	0.1	0.1	--	--	--
Architectural Coating	--	--	0.0	0.4	0.4	--	--	--
2027								
Building Construction	--	--	--	--	--	8.4	11.3	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.3	0.4	--	--	--
2028								
Building Construction	--	--	--	--	--	--	10.6	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--

Maximum Buildout Scenario - Winter - Total - Mitigated - Maximum Daily NOx Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	14.2	18.6	--	--	--	--	--	--
Grading	15.8	--	--	--	--	--	--	--
Dust Control	11.5	--	--	--	--	--	--	--
Utility Installation	--	4.3	--	--	--	--	--	--
Building Construction	--	--	1.1	12.9	11.6	12.5	15.3	4.8
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	1.1	12.3	11.2	11.9	15.5	4.6
Paving	--	--	2.8	7.1	5.3	--	--	--
Architectural Coating	--	--	0.0	0.4	0.4	--	--	--
2027								
Building Construction	--	--	--	--	--	11.3	14.7	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.3	0.4		--	--
2028								
Building Construction	--	--	--	--	--	--	13.9	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--

S2 - Summer - On-Site - Unmitigated - Maximum Daily NOx Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	11.5	43.8	43.3	39.5	40.0	32.8	34.1
Grading	--	--	--	--	--	--	--	--	--
Dust Control	46.9	--	--	--	--	--	--	--	--
Utility Installation	--	25.6	--	--	--	--	--	--	--
Building Construction	--	--	11.2	22.6	22.1	18.3	18.8	11.6	12.9
Paving	--	10.4	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	21.1	20.7	17.2	17.6	10.9	12.1
Paving	--	--	--	--	--	--	--	7.3	9.4
Architectural Coating	--	--	--	--	--	--	--	0.9	0.9
2027									
Building Construction	--	--	--	--	--	16.4	16.8	--	--
Paving	--	--	--	--	--	13.9	--	--	--
Architectural Coating	--	--	--	--	--	0.8	--	--	--
2028									
Building Construction	--	--	--	--	--	--	15.8	--	--
Paving	--	--	--	--	--	--	13.5	--	--
Architectural Coating	--	--	--	--	--	--	0.8	--	--

S2 - Summer - Off-Site - Unmitigated - Maximum Daily NOx Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	2.9	0.2	0.2	0.1	0.1	0.1	0.1
Grading	--	--	--	--	--	--	--	--	--
Dust Control	0.2	--	--	--	--	--	--	--	--
Utility Installation	--	0.2	--	--	--	--	--	--	--
Building Construction	--	--	0.2	6.6	7.3	3.3	5.8	0.1	1.9
Paving	--	2.9	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	6.2	6.9	3.1	5.4	0.1	1.8
Paving	--	--	--	--	--	--	--	0.1	0.1
Architectural Coating	--	--	--	--	--	--	--	0.0	0.1
2027									
Building Construction	--	--	--	--	--	2.8	5.1	--	--
Paving	--	--	--	--	--	0.1	--	--	--
Architectural Coating	--	--	--	--	--	0.3	--	--	--
2028									
Building Construction	--	--	--	--	--	--	4.7	--	--
Paving	--	--	--	--	--	--	0.1	--	--
Architectural Coating	--	--	--	--	--	--	0.4	--	--

S2 - Summer - Total - Unmitigated - Maximum Daily NOx Emissions (lbs/day)										
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	
2025										
Site Preparation	--	--	14.4	44.0	43.5	39.6	40.1	32.9	34.2	#
Grading	--	--	--	--	--	--	--	--	--	
Dust Control	47.1	--	--	--	--	--	--	--	--	
Utility Installation	--	25.8	--	--	--	--	--	--	--	
Building Construction	--	--	11.4	29.2	29.4	21.6	24.6	11.7	14.8	
Paving	--	13.3	--	--	--	--	--	--	0.0	
Architectural Coating	--	--	--	--	--	--	--	--	0.0	
2026										
Building Construction	--	--	--	27.3	27.6	20.3	23.0	11.0	13.9	
Paving	--	--	--	--	--	--	--	7.4	9.5	
Architectural Coating	--	--	--	--	--	--	--	0.9	1.0	
2027										
Building Construction	--	--	--	--	--	19.2	21.9	--	--	
Paving	--	--	--	--	--	14.0	--	--	--	
Architectural Coating	--	--	--	--	--	1.1	--	--	--	
2028										
Building Construction	--	--	--	--	--	--	20.5	--	--	
Paving	--	--	--	--	--	--	13.6	--	--	
Architectural Coating	--	--	--	--	--	--	1.3	--	--	

S2 - Summer - On-Site - Mitigated - Maximum Daily NOx Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	1.5	5.5	5.4	4.5	4.6	2.9	3.2
Grading	--	--	--	--	--	--	--	--	--
Dust Control	11.2	--	--	--	--	--	--	--	--
Utility Installation	--	4.1	--	--	--	--	--	--	--
Building Construction	--	--	0.9	5.8	3.8	2.9	3.0	1.3	3.5
Paving	--	3.9	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	5.6	3.8	2.9	3.0	1.3	3.3
Paving	--	--	--	--	--	--	--	2.7	2.9
Architectural Coating	--	--	--	--	--	--	--	0.0	0.0
2027									
Building Construction	--	--	--	--	--	2.9	3.0	--	--
Paving	--	--	--	--	--	4.2	--	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--	--
2028									
Building Construction	--	--	--	--	--	--	3.0	--	--
Paving	--	--	--	--	--	--	4.3	--	--
Architectural Coating	--	--	--	--	--	--	0.0	--	--

S2 - Summer - Off-Site - Mitigated - Maximum Daily NOx Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	2.9	0.2	0.2	0.1	0.1	0.1	0.1
Grading	--	--	--	--	--	--	--	--	--
Dust Control	0.2	--	--	--	--	--	--	--	--
Utility Installation	--	0.2	--	--	--	--	--	--	--
Building Construction	--	--	0.2	6.6	7.3	3.3	5.8	0.1	1.9
Paving	--	2.9	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	6.2	6.9	3.1	5.4	0.1	1.8
Paving	--	--	--	--	--	--	--	0.1	0.1
Architectural Coating	--	--	--	--	--	--	--	0.0	0.1
2027									
Building Construction	--	--	--	--	--	2.8	5.1	--	--
Paving	--	--	--	--	--	0.1	--	--	--
Architectural Coating	--	--	--	--	--	0.3	--	--	--
2028									
Building Construction	--	--	--	--	--	--	4.7	--	--
Paving	--	--	--	--	--	--	0.1	--	--
Architectural Coating	--	--	--	--	--	--	0.4	--	--

S2 - Summer - Total - Mitigated - Maximum Daily NOx Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	4.4	5.7	5.6	4.6	4.7	3.0	3.3
Grading	--	--	--	--	--	--	--	--	--
Dust Control	11.4	--	--	--	--	--	--	--	--
Utility Installation	--	4.3	--	--	--	--	--	--	--
Building Construction	--	--	1.1	12.4	11.1	6.2	8.9	1.4	5.3
Paving	--	6.8	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	11.8	10.7	6.0	8.5	1.4	5.1
Paving	--	--	--	--	--	--	--	2.8	3.0
Architectural Coating	--	--	--	--	--	--	--	0.0	0.1
2027									
Building Construction	--	--	--	--	--	5.7	8.1	--	--
Paving	--	--	--	--	--	4.3	--	--	--
Architectural Coating	--	--	--	--	--	0.3	--	--	--
2028									
Building Construction	--	--	--	--	--	--	7.7	--	--
Paving	--	--	--	--	--	--	4.4	--	--
Architectural Coating	--	--	--	--	--	--	0.4	--	--

S2 - Winter - On-Site - Unmitigated - Maximum Daily NOx Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	78.6	31.2	--	--	--	--	--	--	--
Grading	77.4	--	--	--	--	--	--	--	--
Dust Control	46.9	--	--	--	--	--	--	--	--
Utility Installation	--	25.6	--	--	--	--	--	--	--
Building Construction	--	--	11.2	22.6	22.1	18.3	18.8	11.6	12.9
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	10.7	21.1	20.7	17.2	17.6	10.9	12.1
Paving	--	--	6.5	18.4	18.0	--	--	--	--
Architectural Coating	--	--	0.9	0.9	0.9	--	--	--	--
2027									
Building Construction	--	--	--	--	--	16.4	16.8	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.8	0.8	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	15.8	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - Off-Site - Unmitigated - Maximum Daily NOx Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	0.4	12.5	--	--	--	--	--	--	--
Grading	0.9	--	--	--	--	--	--	--	--
Dust Control	0.3	--	--	--	--	--	--	--	--
Utility Installation	--	0.2	--	--	--	--	--	--	--
Building Construction	--	--	0.3	7.1	7.8	3.5	6.3	0.1	2.0
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	0.2	6.7	7.4	3.3	5.9	0.1	1.9
Paving	--	--	0.1	0.1	0.1	--	--	--	--
Architectural Coating	--	--	0.0	0.4	0.4	--	--	--	--
2027									
Building Construction	--	--	--	--	--	3.1	5.5	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.3	0.4	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	5.1	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - Total - Unmitigated - Maximum Daily NOx Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	79.0	43.7	--	--	--	--	--	--	--
Grading	78.3	--	--	--	--	--	--	--	--
Dust Control	47.2	--	--	--	--	--	--	--	--
Utility Installation	--	25.8	--	--	--	--	--	--	--
Building Construction	--	--	11.5	29.7	29.9	21.8	25.1	11.7	14.9
Paving	--	--	--	--	--	--	--	--	0.0
Architectural Coating	--	--	--	--	--	--	--	--	0.0
2026									
Building Construction	--	--	10.9	27.8	28.1	20.5	23.5	11.0	14.0
Paving	--	--	6.6	18.5	18.1	--	--	--	--
Architectural Coating	--	--	0.9	1.2	1.3	--	--	--	--
2027									
Building Construction	--	--	--	--	--	19.5	22.3	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	1.2	1.2	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	20.9	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - On-Site - Mitigated - Maximum Daily NOx Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	13.8	6.1	--	--	--	--	--	--	--
Grading	14.9	--	--	--	--	--	--	--	
Dust Control	11.2	--	--	--	--	--	--	--	
Utility Installation	--	4.1	--	--	--	--	--	--	
Building Construction	--	--	0.9	5.8	3.8	2.9	3.0	1.3	3.5
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	0.9	5.6	3.8	2.9	3.0	1.3	3.3
Paving	--	--	2.8	6.9	5.2	--	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--	--
2027									
Building Construction	--	--	--	--	--	2.9	3.0	--	
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	3.0	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - Off-Site - Mitigated - Maximum Daily NOx Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	0.4	12.5	--	--	--	--	--	--	--
Grading	0.9	--	--	--	--	--	--	--	--
Dust Control	0.3	--	--	--	--	--	--	--	--
Utility Installation	--	0.2	--	--	--	--	--	--	--
Building Construction	--	--	0.3	7.1	7.8	3.5	6.3	0.1	2.0
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	0.2	6.7	7.4	3.3	5.9	0.1	1.9
Paving	--	--	0.1	0.1	0.1	--	--	--	--
Architectural Coating	--	--	0.0	0.4	0.4	--	--	--	--
2027									
Building Construction	--	--	--	--	--	3.1	5.5	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.3	0.4	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	5.1	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - Total - Mitigated - Maximum Daily NOx Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	14.2	18.6	--	--	--	--	--	--	--
Grading	15.8	--	--	--	--	--	--	--	--
Dust Control	11.5	--	--	--	--	--	--	--	--
Utility Installation	--	4.3	--	--	--	--	--	--	--
Building Construction	--	--	1.1	12.9	11.6	6.4	9.3	1.4	5.5
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	1.1	12.3	11.2	6.2	8.9	1.4	5.2
Paving	--	--	2.8	7.1	5.3	--	--	--	--
Architectural Coating	--	--	0.0	0.4	0.4	--	--	--	--
2027									
Building Construction	--	--	--	--	--	6.0	8.5	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.3	0.4	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	8.2	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

Maximum Buildout Scenario - Summer - On-Site - Unmitigated - Maximum Daily CO Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	11.6	43.3	42.8	38.7	40.5	32.8
Grading	--	--	--	--	--	--	--	--
Dust Control	50.7	--	--	--	--	--	--	--
Utility Installation	--	26.5	--	--	--	--	--	--
Building Construction	--	--	12.5	26.1	25.7	21.5	23.4	15.7
Paving	--	13.7	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	26.1	25.6	21.5	23.3	15.6
Paving	--	--	--	--	--	--	--	12.6
Architectural Coating	--	--	--	--	--	--	--	1.1
2027								
Building Construction	--	--	--	--	--	21.4	23.3	--
Paving	--	--	--	--	--	18.5	--	--
Architectural Coating	--	--	--	--	--	1.1	--	--
2028								
Building Construction	--	--	--	--	--	--	23.2	--
Paving	--	--	--	--	--	--	20.2	--
Architectural Coating	--	--	--	--	--		1.1	--

Maximum Buildout Scenario - Summer - Off-Site - Unmitigated - Maximum Daily CO Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	1.6	2.9	2.9	2.4	2.6	1.9
Grading	--	--	--	--	--	--	--	--
Dust Control	4.3	--	--	--	--	--	--	--
Utility Installation	--	2.9	--	--	--	--	--	--
Building Construction	--	--	0.5	36.5	40.2	85.3	114.6	28.4
Paving	--	3.1	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	34.0	37.4	79.3	106.4	26.4
Paving	--	--	--	--	--	--	--	1.6
Architectural Coating	--	--	--	--	--	--	--	5.2
2027								
Building Construction	--	--	--	--	--	73.8	99.1	--
Paving	--	--	--	--	--	1.9	--	--
Architectural Coating	--	--	--	--	--	14.4	--	--
2028								
Building Construction	--	--	--	--	--	--	92.6	--
Paving	--	--	--	--	--	--	1.9	--
Architectural Coating	--	--	--	--	--		18.1	--

Maximum Buildout Scenario - Summer - Total - Unmitigated - Maximum Daily CO Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	13.2	46.2	45.7	41.1	43.1	34.7
Grading	--	--	--	--	--	--	--	--
Dust Control	55.0	--	--	--	--	--	--	--
Utility Installation	--	29.4	--	--	--	--	--	--
Building Construction	--	--	13.0	62.6	65.9	106.8	138.0	44.1
Paving	--	16.8	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	60.1	63.0	100.8	129.7	42.0
Paving	--	--	--	--	--	--	--	14.2
Architectural Coating	--	--	--	--	--	--	--	6.3
2027								
Building Construction	--	--	--	--	--	95.2	122.4	--
Paving	--	--	--	--	--	20.4	--	--
Architectural Coating	--	--	--	--	--	15.5	--	--
2028								
Building Construction	--	--	--	--	--	--	115.8	--
Paving	--	--	--	--	--	--	22.1	--
Architectural Coating	--	--	--	--	--		19.2	--

Maximum Buildout Scenario - Summer - On-Site - Mitigated - Maximum Daily CO Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	16.5	57.3	56.3	47.1	51.1	34.2
Grading	--	--	--	--	--	--	--	--
Dust Control	112.0	--	--	--	--	--	--	--
Utility Installation	--	36.2	--	--	--	--	--	--
Building Construction	--	--	9.8	38.6	40.8	31.6	35.6	18.7
Paving	--	17.8	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	38.6	40.8	31.6	35.6	18.7
Paving	--	--	--	--	--	--	--	16.5
Architectural Coating	--	--	--	--	--	--	--	0.0
2027								
Building Construction	--	--	--	--	--	31.6	35.6	--
Paving	--	--	--	--	--	29.4	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--
2028								
Building Construction	--	--	--	--	--	--	35.6	--
Paving	--	--	--	--	--	--	33.4	--
Architectural Coating	--	--	--	--	--	--	0.0	--

Maximum Buildout Scenario - Summer - Off-Site - Mitigated - Maximum Daily CO Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	1.6	2.9	2.9	2.4	2.6	1.9
Grading	--	--	--	--	--	--	--	--
Dust Control	4.3	--	--	--	--	--	--	--
Utility Installation	--	2.9	--	--	--	--	--	--
Building Construction	--	--	0.5	36.5	40.2	85.3	114.6	28.4
Paving	--	3.1	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	34.0	37.4	79.3	106.4	26.4
Paving	--	--	--	--	--	--	--	1.6
Architectural Coating	--	--	--	--	--	--	--	5.2
2027								
Building Construction	--	--	--	--	--	73.8	99.1	--
Paving	--	--	--	--	--	1.9	--	--
Architectural Coating	--	--	--	--	--	14.4	--	--
2028								
Building Construction	--	--	--	--	--	--	92.6	--
Paving	--	--	--	--	--	--	1.9	--
Architectural Coating	--	--	--	--	--	--	18.1	--

Maximum Buildout Scenario - Summer - Total - Mitigated - Maximum Daily CO Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	18.1	60.2	59.2	49.5	53.7	36.1
Grading	--	--	--	--	--	--	--	--
Dust Control	116.3	--	--	--	--	--	--	--
Utility Installation	--	39.1	--	--	--	--	--	--
Building Construction	--	--	10.3	75.1	81.0	116.9	150.2	47.1
Paving	--	20.9	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	72.6	78.2	110.9	142.0	45.1
Paving	--	--	--	--	--	--	--	18.1
Architectural Coating	--	--	--	--	--	--	--	5.2
2027								
Building Construction	--	--	--	--	--	105.4	134.7	--
Paving	--	--	--	--	--	31.3	--	--
Architectural Coating	--	--	--	--	--	14.4	--	--
2028								
Building Construction	--	--	--	--	--	--	128.2	--
Paving	--	--	--	--	--	--	35.3	--
Architectural Coating	--	--	--	--	--	--	18.1	--

Maximum Buildout Scenario - Winter - On-Site - Unmitigated - Maximum Daily CO Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	80.9	39.0	--	--	--	--	--	--
Grading	83.5	--	--	--	--	--	--	--
Dust Control	50.7	--	--	--	--	--	--	--
Utility Installation	--	26.5	--	--	--	--	--	--
Building Construction	--	--	12.5	26.1	25.7	21.5	23.4	15.7
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	12.4	26.1	25.6	21.5	23.3	15.6
Paving	--	--	8.9	23.1	22.6	--	--	--
Architectural Coating	--	--	1.1	1.1	1.1	--	--	--
2027								
Building Construction	--	--	--	--	--	21.4	23.3	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	1.1	1.1	--	--	--
2028								
Building Construction	--	--	--	--	--	--	23.2	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--		--	--

Maximum Buildout Scenario - Winter - Off-Site - Unmitigated - Maximum Daily CO Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	3.4	4.6	--	--	--	--	--	--
Grading	3.7	--	--	--	--	--	--	--
Dust Control	2.4	--	--	--	--	--	--	--
Utility Installation	--	1.6	--	--	--	--	--	--
Building Construction	--	--	0.3	21.7	23.9	49.4	66.2	16.5
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.3	20.1	22.2	45.8	61.4	15.2
Paving	--	--	0.9	1.4	1.4	--	--	--
Architectural Coating	--	--	0.0	3.6	4.0	--	--	--
2027								
Building Construction	--	--	--	--	--	42.7	57.2	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	3.4	3.7		--	--
2028								
Building Construction	--	--	--	--	--	--	53.1	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--		--	--

Maximum Buildout Scenario - Winter - Total - Unmitigated - Maximum Daily CO Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	84.3	43.6	--	--	--	--	--	--
Grading	87.2	--	--	--	--	--	--	--
Dust Control	53.1	--	--	--	--	--	--	--
Utility Installation	--	28.1	--	--	--	--	--	--
Building Construction	--	--	12.8	47.8	49.6	70.9	89.6	32.2
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	12.7	46.2	47.8	67.3	84.7	30.8
Paving	--	--	9.8	24.5	24.0	--	--	--
Architectural Coating	--	--	1.2	4.8	5.1	--	--	--
2027								
Building Construction	--	--	--	--	--	64.1	80.5	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	4.5	4.9	--	--	--
2028								
Building Construction	--	--	--	--	--	--	76.3	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--		--	--

Maximum Buildout Scenario - Winter - On-Site - Mitigated - Maximum Daily CO Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	141.0	52.8	--	--	--	--	--	--
Grading	154.0	--	--	--	--	--	--	--
Dust Control	112.0	--	--	--	--	--	--	--
Utility Installation	--	36.2	--	--	--	--	--	--
Building Construction	--	--	9.8	38.6	40.8	31.6	35.6	18.7
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	9.8	38.6	40.8	31.6	35.6	18.7
Paving	--	--	10.1	36.4	38.6	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--
2027								
Building Construction	--	--	--	--	--	31.6	35.6	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--
2028								
Building Construction	--	--	--	--	--	--	35.6	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--

Maximum Buildout Scenario - Winter - Off-Site - Mitigated - Maximum Daily CO Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	3.4	4.6	--	--	--	--	--	--
Grading	3.7	--	--	--	--	--	--	--
Dust Control	2.4	--	--	--	--	--	--	--
Utility Installation	--	1.6	--	--	--	--	--	--
Building Construction	--	--	0.3	21.7	23.9	49.4	114.6	16.5
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.3	20.1	22.2	45.8	61.4	15.2
Paving	--	--	0.9	1.4	1.4	--	--	--
Architectural Coating	--	--	0.0	3.6	4.0	--	--	--
2027								
Building Construction	--	--	--	--	--	42.7	57.2	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	3.4	3.7	--	--	--
2028								
Building Construction	--	--	--	--	--	--	53.1	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--

Maximum Buildout Scenario - Winter - Total - Mitigated - Maximum Daily CO Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	144.4	57.4	--	--	--	--	--	--
Grading	157.7	--	--	--	--	--	--	--
Dust Control	114.4	--	--	--	--	--	--	--
Utility Installation	--	37.8	--	--	--	--	--	--
Building Construction	--	--	10.1	60.3	64.7	81.0	150.2	35.2
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	10.1	58.7	63.0	77.4	97.0	33.9
Paving	--	--	11.0	37.8	40.0	--	--	--
Architectural Coating	--	--	0.0	3.6	4.0	--	--	--
2027								
Building Construction	--	--	--	--	--	74.3	92.8	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	3.4	3.7		--	--
2028								
Building Construction	--	--	--	--	--	--	88.7	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--

S2 - Summer - On-Site - Unmitigated - Maximum Daily CO Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	11.6	43.3	42.8	38.7	39.2	31.4	32.8
Grading	--	--	--	--	--	--	--	--	--
Dust Control	50.7	--	--	--	--	--	--	--	--
Utility Installation	--	26.5	--	--	--	--	--	--	--
Building Construction	--	--	12.5	26.1	25.7	21.5	22.1	14.3	15.7
Paving	--	13.7	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	26.1	25.6	21.5	22.0	14.2	15.6
Paving	--	--	--	--	--	--	--	10.1	12.6
Architectural Coating	--	--	--	--	--	--	--	1.1	1.1
2027									
Building Construction	--	--	--	--	--	21.4	22.0	--	--
Paving	--	--	--	--	--	18.5	--	--	--
Architectural Coating	--	--	--	--	--	1.1	--	--	--
2028									
Building Construction	--	--	--	--	--	--	21.9	--	--
Paving	--	--	--	--	--	--	18.9	--	--
Architectural Coating	--	--	--	--	--	--	1.1	--	--

S2 - Summer - Off-Site - Unmitigated - Maximum Daily CO Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	1.6	2.9	2.9	2.4	2.6	1.9	1.9
Grading	--	--	--	--	--	--	--	--	--
Dust Control	4.3	--	--	--	--	--	--	--	--
Utility Installation	--	2.9	--	--	--	--	--	--	--
Building Construction	--	--	0.5	36.5	40.2	31.3	55.8	0.5	9.9
Paving	--	3.1	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	34.0	37.4	29.2	51.9	0.4	9.2
Paving	--	--	--	--	--	--	--	2.0	1.6
Architectural Coating	--	--	--	--	--	--	--	0.1	1.7
2027									
Building Construction	--	--	--	--	--	27.1	48.2	--	--
Paving	--	--	--	--	--	1.9	--	--	--
Architectural Coating	--	--	--	--	--	5.3	--	--	--
2028									
Building Construction	--	--	--	--	--	--	45.2	--	--
Paving	--	--	--	--	--	--	1.9	--	--
Architectural Coating	--	--	--	--	--	--	8.8	--	--

S2 - Summer - Total - Unmitigated - Maximum Daily CO Emissions (lbs/day)										
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	
2025										
Site Preparation	--	--	13.2	46.2	45.7	41.1	41.8	33.3	34.7	#
Grading	--	--	--	--	--	--	--	--	--	
Dust Control	55.0	--	--	--	--	--	--	--	--	
Utility Installation	--	29.4	--	--	--	--	--	--	--	
Building Construction	--	--	13.0	62.6	65.9	52.8	77.9	14.8	25.6	
Paving	--	16.8	--	--	--	--	--	--	0.0	
Architectural Coating	--	--	--	--	--	--	--	--	0.0	
2026										
Building Construction	--	--	--	60.1	63.0	50.7	73.9	14.6	24.8	
Paving	--	--	--	--	--	--	--	12.1	14.2	
Architectural Coating	--	--	--	--	--	--	--	1.2	2.9	
2027										
Building Construction	--	--	--	--	--	48.5	70.2	--	--	
Paving	--	--	--	--	--	20.4	--	--	--	
Architectural Coating	--	--	--	--	--	6.4	--	--	--	
2028										
Building Construction	--	--	--	--	--	--	67.1	--	--	
Paving	--	--	--	--	--	--	20.8	--	--	
Architectural Coating	--	--	--	--	--	--	9.9	--	--	

S2 - Summer - On-Site - Mitigated - Maximum Daily CO Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	16.5	57.3	56.3	47.1	48.3	31.1	34.2
Grading	--	--	--	--	--	--	--	--	--
Dust Control	112.0	--	--	--	--	--	--	--	--
Utility Installation	--	36.2	--	--	--	--	--	--	--
Building Construction	--	--	9.8	38.6	40.8	31.6	32.8	15.6	15.5
Paving	--	17.8	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	38.6	40.8	31.6	32.8	15.6	15.5
Paving	--	--	--	--	--	--	--	12.1	16.5
Architectural Coating	--	--	--	--	--	--	--	0.0	0.0
2027									
Building Construction	--	--	--	--	--	31.6	32.8	--	--
Paving	--	--	--	--	--	29.4	--	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--	--
2028									
Building Construction	--	--	--	--	--	--	32.8	--	--
Paving	--	--	--	--	--	--	30.6	--	--
Architectural Coating	--	--	--	--	--	--	0.0	--	--

S2 - Summer - Off-Site - Mitigated - Maximum Daily CO Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	1.6	2.9	2.9	2.4	2.6	1.9	1.9
Grading	--	--	--	--	--	--	--	--	--
Dust Control	4.3	--	--	--	--	--	--	--	--
Utility Installation	--	2.9	--	--	--	--	--	--	--
Building Construction	--	--	0.5	36.5	40.2	31.3	55.8	0.5	9.9
Paving	--	3.1	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	34.0	37.4	29.2	51.9	0.4	9.2
Paving	--	--	--	--	--	--	--	2.0	1.6
Architectural Coating	--	--	--	--	--	--	--	0.1	1.7
2027									
Building Construction	--	--	--	--	--	27.1	48.2	--	--
Paving	--	--	--	--	--	1.9	--	--	--
Architectural Coating	--	--	--	--	--	5.3	--	--	--
2028									
Building Construction	--	--	--	--	--	--	45.2	--	--
Paving	--	--	--	--	--	--	1.9	--	--
Architectural Coating	--	--	--	--	--	--	8.8	--	--

S2 - Summer - Total - Mitigated - Maximum Daily CO Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	18.1	60.2	59.2	49.5	50.9	33.0	36.1
Grading	--	--	--	--	--	--	--	--	--
Dust Control	116.3	--	--	--	--	--	--	--	--
Utility Installation	--	39.1	--	--	--	--	--	--	--
Building Construction	--	--	10.3	75.1	81.0	62.9	88.6	16.1	25.4
Paving	--	20.9	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	72.6	78.2	60.8	84.7	16.0	24.7
Paving	--	--	--	--	--	--	--	14.1	18.1
Architectural Coating	--	--	--	--	--	--	--	0.1	1.7
2027									
Building Construction	--	--	--	--	--	58.7	81.0	--	--
Paving	--	--	--	--	--	31.3	--	--	--
Architectural Coating	--	--	--	--	--	5.3	--	--	--
2028									
Building Construction	--	--	--	--	--	--	78.0	--	--
Paving	--	--	--	--	--	--	32.5	--	--
Architectural Coating	--	--	--	--	--	--	8.8	--	--

S2 - Winter - On-Site - Unmitigated - Maximum Daily CO Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	80.9	39.0	--	--	--	--	--	--	--
Grading	83.5	--	--	--	--	--	--	--	--
Dust Control	50.7	--	--	--	--	--	--	--	--
Utility Installation	--	26.5	--	--	--	--	--	--	--
Building Construction	--	--	12.5	26.1	25.7	21.5	22.1	14.3	15.7
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	12.4	26.1	25.6	21.5	22.0	14.2	15.6
Paving	--	--	8.9	23.1	22.6	--	--	--	--
Architectural Coating	--	--	1.1	1.1	1.1	--	--	--	--
2027									
Building Construction	--	--	--	--	--	21.4	22.0	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	1.1	1.1	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	21.9	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - Off-Site - Unmitigated - Maximum Daily CO Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	3.4	4.6	--	--	--	--	--	--	--
Grading	3.7	--	--	--	--	--	--	--	--
Dust Control	2.4	--	--	--	--	--	--	--	--
Utility Installation	--	1.6	--	--	--	--	--	--	--
Building Construction	--	--	0.3	21.7	23.9	18.1	32.3	0.3	5.9
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	0.3	20.1	22.2	16.8	29.9	0.3	5.5
Paving	--	--	0.9	1.4	1.4	--	--	--	--
Architectural Coating	--	--	0.0	3.6	4.0	--	--	--	--
2027									
Building Construction	--	--	--	--	--	15.7	27.9	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	3.4	3.7	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	25.9	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - Total - Unmitigated - Maximum Daily CO Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	84.3	43.6	--	--	--	--	--	--	--
Grading	87.2	--	--	--	--	--	--	--	--
Dust Control	53.1	--	--	--	--	--	--	--	--
Utility Installation	--	28.1	--	--	--	--	--	--	--
Building Construction	--	--	12.8	47.8	49.6	39.6	54.4	14.6	21.6
Paving	--	--	--	--	--	--	--	--	0.0
Architectural Coating	--	--	--	--	--	--	--	--	0.0
2026									
Building Construction	--	--	12.7	46.2	47.8	38.3	51.9	14.5	21.1
Paving	--	--	9.8	24.5	24.0	--	--	--	--
Architectural Coating	--	--	1.2	4.8	5.1	--	--	--	--
2027									
Building Construction	--	--	--	--	--	37.1	49.9	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	4.5	4.9	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	47.8	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - On-Site - Mitigated - Maximum Daily CO Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	141.0	52.8	--	--	--	--	--	--	--
Grading	154.0	--	--	--	--	--	--	--	
Dust Control	112.0	--	--	--	--	--	--	--	
Utility Installation	--	36.2	--	--	--	--	--	--	
Building Construction	--	--	9.8	38.6	40.8	31.6	32.8	15.6	15.5
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	9.8	38.6	40.8	31.6	32.8	15.6	15.5
Paving	--	--	10.1	36.4	38.6	--	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--	--
2027									
Building Construction	--	--	--	--	--	31.6	32.8	--	
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	32.8	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - Off-Site - Mitigated - Maximum Daily CO Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	3.4	4.6	--	--	--	--	--	--	--
Grading	3.7	--	--	--	--	--	--	--	--
Dust Control	2.4	--	--	--	--	--	--	--	--
Utility Installation	--	1.6	--	--	--	--	--	--	--
Building Construction	--	--	0.3	21.7	23.9	18.1	32.3	0.3	5.9
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	0.3	20.1	22.2	16.8	29.9	0.3	5.5
Paving	--	--	0.9	1.4	1.4	--	--	--	--
Architectural Coating	--	--	0.0	3.6	4.0	--	--	--	--
2027									
Building Construction	--	--	--	--	--	15.7	27.9	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	3.4	3.7	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	25.9	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - Total - Mitigated - Maximum Daily CO Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	144.4	57.4	--	--	--	--	--	--	--
Grading	157.7	--	--	--	--	--	--	--	--
Dust Control	114.4	--	--	--	--	--	--	--	--
Utility Installation	--	37.8	--	--	--	--	--	--	--
Building Construction	--	--	10.1	60.3	64.7	49.7	65.1	15.9	21.4
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	10.1	58.7	63.0	48.4	62.7	15.9	21.0
Paving	--	--	11.0	37.8	40.0	--	--	--	--
Architectural Coating	--	--	0.0	3.6	4.0	--	--	--	--
2027									
Building Construction	--	--	--	--	--	47.3	60.7	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	3.4	3.7	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	58.7	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

Maximum Buildout Scenario - Summer - On-Site - Unmitigated - Maximum Daily SO2 Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	0.0	0.1	0.1	0.1	0.1	0.1
Grading	--	--	--	--	--	--	--	--
Dust Control	0.2	--	--	--	--	--	--	--
Utility Installation	--	0.1	--	--	--	--	--	--
Building Construction	--	--	0.0	0.1	0.1	0.1	0.1	0.0
Paving	--	0.0	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	0.1	0.1	0.1	0.1	0.0
Paving	--	--	--	--	--	--	--	0.0
Architectural Coating	--	--	--	--	--	--	--	0.0
2027								
Building Construction	--	--	--	--	--	0.1	0.1	--
Paving	--	--	--	--	--	0.1	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--
2028								
Building Construction	--	--	--	--	--	--	0.1	--
Paving	--	--	--	--	--	--	0.1	--
Architectural Coating	--	--	--	--	--		0.0	--

Maximum Buildout Scenario - Summer - Off-Site - Unmitigated - Maximum Daily SO2 Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	0.0	0.0	0.0	0.0	0.0	0.0
Grading	--	--	--	--	--	--	--	--
Dust Control	0.0	--	--	--	--	--	--	--
Utility Installation	--	0.0	--	--	--	--	--	--
Building Construction	--	--	0.0	0.0	0.0	0.0	0.0	0.0
Paving	--	0.0	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	0.0	0.0	0.0	0.0	0.0
Paving	--	--	--	--	--	--	--	0.0
Architectural Coating	--	--	--	--	--	--	--	0.0
2027								
Building Construction	--	--	--	--	--	0.0	0.0	--
Paving	--	--	--	--	--	0.0	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--
2028								
Building Construction	--	--	--	--	--	--	0.0	--
Paving	--	--	--	--	--	--	0.0	--
Architectural Coating	--	--	--	--	--		0.0	--

Maximum Buildout Scenario - Summer - Total - Unmitigated - Maximum Daily SO2 Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	0.1	0.1	0.1	0.1	0.1	0.1
Grading	--	--	--	--	--	--	--	--
Dust Control	0.2	--	--	--	--	--	--	--
Utility Installation	--	0.1	--	--	--	--	--	--
Building Construction	--	--	0.0	0.1	0.1	0.1	0.1	0.0
Paving	--	0.0	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	0.1	0.1	0.1	0.1	0.0
Paving	--	--	--	--	--	--	--	0.0
Architectural Coating	--	--	--	--	--	--	--	0.0
2027								
Building Construction	--	--	--	--	--	0.1	0.1	--
Paving	--	--	--	--	--	0.1	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--
2028								
Building Construction	--	--	--	--	--	--	0.1	--
Paving	--	--	--	--	--	--	0.1	--
Architectural Coating	--	--	--	--	--		0.0	--

Maximum Buildout Scenario - Summer - On-Site - Mitigated - Maximum Daily SO2 Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	0.0	0.1	0.1	0.1	0.1	0.1
Grading	--	--	--	--	--	--	--	--
Dust Control	0.2	--	--	--	--	--	--	--
Utility Installation	--	0.1	--	--	--	--	--	--
Building Construction	--	--	0.0	0.1	0.1	0.1	0.1	0.0
Paving	--	0.0	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	0.1	0.1	0.1	0.1	0.0
Paving	--	--	--	--	--	--	--	0.0
Architectural Coating	--	--	--	--	--	--	--	0.0
2027								
Building Construction	--	--	--	--	--	0.1	0.1	--
Paving	--	--	--	--	--	0.1	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--
2028								
Building Construction	--	--	--	--	--	--	0.1	--
Paving	--	--	--	--	--	--	0.1	--
Architectural Coating	--	--	--	--	--	--	0.0	--

Maximum Buildout Scenario - Summer - Off-Site - Mitigated - Maximum Daily SO2 Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	0.0	0.0	0.0	0.0	0.0	0.0
Grading	--	--	--	--	--	--	--	--
Dust Control	0.0	--	--	--	--	--	--	--
Utility Installation	--	0.0	--	--	--	--	--	--
Building Construction	--	--	0.0	0.0	0.0	0.0	0.0	0.0
Paving	--	0.0	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	0.0	0.0	0.0	0.0	0.0
Paving	--	--	--	--	--	--	--	0.0
Architectural Coating	--	--	--	--	--	--	--	0.0
2027								
Building Construction	--	--	--	--	--	0.0	0.0	--
Paving	--	--	--	--	--	0.0	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--
2028								
Building Construction	--	--	--	--	--	--	0.0	--
Paving	--	--	--	--	--	--	0.0	--
Architectural Coating	--	--	--	--	--	--	0.0	--

Maximum Buildout Scenario - Summer - Total - Mitigated - Maximum Daily SO2 Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	0.1	0.1	0.1	0.1	0.1	0.1
Grading	--	--	--	--	--	--	--	--
Dust Control	0.2	--	--	--	--	--	--	--
Utility Installation	--	0.1	--	--	--	--	--	--
Building Construction	--	--	0.0	0.1	0.1	0.1	0.1	0.0
Paving	--	0.0	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	0.1	0.1	0.1	0.1	0.0
Paving	--	--	--	--	--	--	--	0.0
Architectural Coating	--	--	--	--	--	--	--	0.0
2027								
Building Construction	--	--	--	--	--	0.1	0.1	--
Paving	--	--	--	--	--	0.1	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--
2028								
Building Construction	--	--	--	--	--	--	0.1	--
Paving	--	--	--	--	--	--	0.1	--
Architectural Coating	--	--	--	--	--	--	0.0	--

Maximum Buildout Scenario - Winter - On-Site - Unmitigated - Maximum Daily SO2 Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	0.3	0.1	--	--	--	--	--	--
Grading	0.3	--	--	--	--	--	--	--
Dust Control	0.2	--	--	--	--	--	--	--
Utility Installation	--	0.1	--	--	--	--	--	--
Building Construction	--	--	0.0	0.1	0.1	0.1	0.1	0.0
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.0	0.1	0.1	0.1	0.1	0.0
Paving	--	--	0.0	0.1	0.1	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--
2027								
Building Construction	--	--	--	--	--	0.1	0.1	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--
2028								
Building Construction	--	--	--	--	--	--	0.1	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--		--	--

Maximum Buildout Scenario - Winter - Off-Site - Unmitigated - Maximum Daily SO2 Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	0.0	0.1	--	--	--	--	--	--
Grading	0.0	--	--	--	--	--	--	--
Dust Control	0.0	--	--	--	--	--	--	--
Utility Installation	--	0.0	--	--	--	--	--	--
Building Construction	--	--	0.0	0.0	0.0	0.0	0.0	0.0
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.0	0.0	0.0	0.0	0.0	0.0
Paving	--	--	0.0	0.0	0.0	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--
2027								
Building Construction	--	--	--	--	--	0.0	0.0	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0		--	--
2028								
Building Construction	--	--	--	--	--	--	0.0	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--		--	--

Maximum Buildout Scenario - Winter - Total - Unmitigated - Maximum Daily SO2 Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	0.3	0.2	--	--	--	--	--	--
Grading	0.3	--	--	--	--	--	--	--
Dust Control	0.2	--	--	--	--	--	--	--
Utility Installation	--	0.1	--	--	--	--	--	--
Building Construction	--	--	0.0	0.1	0.1	0.1	0.1	0.0
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.0	0.1	0.1	0.1	0.1	0.0
Paving	--	--	0.0	0.1	0.1	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--
2027								
Building Construction	--	--	--	--	--	0.1	0.1	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--
2028								
Building Construction	--	--	--	--	--	--	0.1	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--		--	--

Maximum Buildout Scenario - Winter - On-Site - Mitigated - Maximum Daily SO2 Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	0.3	0.1	--	--	--	--	--	--
Grading	0.3	--	--	--	--	--	--	--
Dust Control	0.2	--	--	--	--	--	--	--
Utility Installation	--	0.1	--	--	--	--	--	--
Building Construction	--	--	0.0	0.1	0.1	0.1	0.1	0.0
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.0	0.1	0.1	0.1	0.1	0.0
Paving	--	--	0.0	0.1	0.1	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--
2027								
Building Construction	--	--	--	--	--	0.1	0.1	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--
2028								
Building Construction	--	--	--	--	--	--	0.1	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--

Maximum Buildout Scenario - Winter - Off-Site - Mitigated - Maximum Daily SO2 Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	0.0	0.1	--	--	--	--	--	--
Grading	0.0	--	--	--	--	--	--	--
Dust Control	0.0	--	--	--	--	--	--	--
Utility Installation	--	0.0	--	--	--	--	--	--
Building Construction	--	--	0.0	0.0	0.0	0.0	0.0	0.0
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.0	0.0	0.0	0.0	0.0	0.0
Paving	--	--	0.0	0.0	0.0	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--
2027								
Building Construction	--	--	--	--	--	0.0	0.0	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--
2028								
Building Construction	--	--	--	--	--	--	0.0	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--

Maximum Buildout Scenario - Winter - Total - Mitigated - Maximum Daily SO2 Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	0.3	0.2	--	--	--	--	--	--
Grading	0.3	--	--	--	--	--	--	--
Dust Control	0.2	--	--	--	--	--	--	--
Utility Installation	--	0.1	--	--	--	--	--	--
Building Construction	--	--	0.0	0.1	0.1	0.1	0.1	0.0
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.0	0.1	0.1	0.1	0.1	0.0
Paving	--	--	0.0	0.1	0.1	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--
2027								
Building Construction	--	--	--	--	--	0.1	0.1	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0		--	--
2028								
Building Construction	--	--	--	--	--	--	0.1	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--

S2 - Summer - On-Site - Unmitigated - Maximum Daily SO2 Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	0.0	0.1	0.1	0.1	0.1	0.1	0.1
Grading	--	--	--	--	--	--	--	--	--
Dust Control	0.2	--	--	--	--	--	--	--	--
Utility Installation	--	0.1	--	--	--	--	--	--	--
Building Construction	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0
Paving	--	0.0	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	0.1	0.1	0.1	0.1	0.0	0.0
Paving	--	--	--	--	--	--	--	0.0	0.0
Architectural Coating	--	--	--	--	--	--	--	0.0	0.0
2027									
Building Construction	--	--	--	--	--	0.1	0.1	--	--
Paving	--	--	--	--	--	0.1	--	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.1	--	--
Paving	--	--	--	--	--	--	0.1	--	--
Architectural Coating	--	--	--	--	--	--	0.0	--	--

S2 - Summer - Off-Site - Unmitigated - Maximum Daily SO2 Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Grading	--	--	--	--	--	--	--	--	--
Dust Control	0.0	--	--	--	--	--	--	--	--
Utility Installation	--	0.0	--	--	--	--	--	--	--
Building Construction	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Paving	--	0.0	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0
Paving	--	--	--	--	--	--	--	0.0	0.0
Architectural Coating	--	--	--	--	--	--	--	0.0	0.0
2027									
Building Construction	--	--	--	--	--	0.0	0.0	--	--
Paving	--	--	--	--	--	0.0	--	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.0	--	--
Paving	--	--	--	--	--	--	0.0	--	--
Architectural Coating	--	--	--	--	--	--	0.0	--	--

S2 - Summer - Total - Unmitigated - Maximum Daily SO2 Emissions (lbs/day)										
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	
2025										
Site Preparation	--	--	0.1	0.1	0.1	0.1	0.1	0.1	0.1	#
Grading	--	--	--	--	--	--	--	--	--	
Dust Control	0.2	--	--	--	--	--	--	--	--	
Utility Installation	--	0.1	--	--	--	--	--	--	--	
Building Construction	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0	
Paving	--	0.0	--	--	--	--	--	--	0.0	
Architectural Coating	--	--	--	--	--	--	--	--	0.0	
2026										
Building Construction	--	--	--	0.1	0.1	0.1	0.1	0.0	0.0	
Paving	--	--	--	--	--	--	--	0.0	0.0	
Architectural Coating	--	--	--	--	--	--	--	0.0	0.0	
2027										
Building Construction	--	--	--	--	--	0.1	0.1	--	--	
Paving	--	--	--	--	--	0.1	--	--	--	
Architectural Coating	--	--	--	--	--	0.0	--	--	--	
2028										
Building Construction	--	--	--	--	--	--	0.1	--	--	
Paving	--	--	--	--	--	--	0.1	--	--	
Architectural Coating	--	--	--	--	--	--	0.0	--	--	

S2 - Summer - On-Site - Mitigated - Maximum Daily SO2 Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	0.0	0.1	0.1	0.1	0.1	0.1	0.1
Grading	--	--	--	--	--	--	--	--	--
Dust Control	0.2	--	--	--	--	--	--	--	--
Utility Installation	--	0.1	--	--	--	--	--	--	--
Building Construction	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0
Paving	--	0.0	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	0.1	0.1	0.1	0.1	0.0	0.0
Paving	--	--	--	--	--	--	--	0.0	0.0
Architectural Coating	--	--	--	--	--	--	--	0.0	0.0
2027									
Building Construction	--	--	--	--	--	0.1	0.1	--	--
Paving	--	--	--	--	--	0.1	--	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.1	--	--
Paving	--	--	--	--	--	--	0.1	--	--
Architectural Coating	--	--	--	--	--	--	0.0	--	--

S2 - Summer - Off-Site - Mitigated - Maximum Daily SO2 Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Grading	--	--	--	--	--	--	--	--	--
Dust Control	0.0	--	--	--	--	--	--	--	--
Utility Installation	--	0.0	--	--	--	--	--	--	--
Building Construction	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Paving	--	0.0	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0
Paving	--	--	--	--	--	--	--	0.0	0.0
Architectural Coating	--	--	--	--	--	--	--	0.0	0.0
2027									
Building Construction	--	--	--	--	--	0.0	0.0	--	--
Paving	--	--	--	--	--	0.0	--	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.0	--	--
Paving	--	--	--	--	--	--	0.0	--	--
Architectural Coating	--	--	--	--	--	--	0.0	--	--

S2 - Summer - Total - Mitigated - Maximum Daily SO2 Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Grading	--	--	--	--	--	--	--	--	--
Dust Control	0.2	--	--	--	--	--	--	--	--
Utility Installation	--	0.1	--	--	--	--	--	--	--
Building Construction	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0
Paving	--	0.0	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	0.1	0.1	0.1	0.1	0.0	0.0
Paving	--	--	--	--	--	--	--	0.0	0.0
Architectural Coating	--	--	--	--	--	--	--	0.0	0.0
2027									
Building Construction	--	--	--	--	--	0.1	0.1	--	--
Paving	--	--	--	--	--	0.1	--	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.1	--	--
Paving	--	--	--	--	--	--	0.1	--	--
Architectural Coating	--	--	--	--	--	--	0.0	--	--

S2 - Winter - On-Site - Unmitigated - Maximum Daily SO2 Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	0.3	0.1	--	--	--	--	--	--	--
Grading	0.3	--	--	--	--	--	--	--	--
Dust Control	0.2	--	--	--	--	--	--	--	--
Utility Installation	--	0.1	--	--	--	--	--	--	--
Building Construction	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0
Paving	--	--	0.0	0.1	0.1	--	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--	--
2027									
Building Construction	--	--	--	--	--	0.1	0.1	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.1	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - Off-Site - Unmitigated - Maximum Daily SO2 Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	0.0	0.1	--	--	--	--	--	--	--
Grading	0.0	--	--	--	--	--	--	--	--
Dust Control	0.0	--	--	--	--	--	--	--	--
Utility Installation	--	0.0	--	--	--	--	--	--	--
Building Construction	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Paving	--	--	0.0	0.0	0.0	--	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--	--
2027									
Building Construction	--	--	--	--	--	0.0	0.0	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.0	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - Total - Unmitigated - Maximum Daily SO2 Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	0.3	0.2	--	--	--	--	--	--	--
Grading	0.3	--	--	--	--	--	--	--	--
Dust Control	0.2	--	--	--	--	--	--	--	--
Utility Installation	--	0.1	--	--	--	--	--	--	--
Building Construction	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0
Paving	--	--	--	--	--	--	--	--	0.0
Architectural Coating	--	--	--	--	--	--	--	--	0.0
2026									
Building Construction	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0
Paving	--	--	0.0	0.1	0.1	--	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--	--
2027									
Building Construction	--	--	--	--	--	0.1	0.1	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.1	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - On-Site - Mitigated - Maximum Daily SO2 Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	0.3	0.1	--	--	--	--	--	--	--
Grading	0.3	--	--	--	--	--	--	--	
Dust Control	0.2	--	--	--	--	--	--	--	
Utility Installation	--	0.1	--	--	--	--	--	--	
Building Construction	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0
Paving	--	--	0.0	0.1	0.1	--	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--	--
2027									
Building Construction	--	--	--	--	--	0.1	0.1	--	
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.1	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - Off-Site - Mitigated - Maximum Daily SO2 Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	0.0	0.1	--	--	--	--	--	--	--
Grading	0.0	--	--	--	--	--	--	--	--
Dust Control	0.0	--	--	--	--	--	--	--	--
Utility Installation	--	0.0	--	--	--	--	--	--	--
Building Construction	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Paving	--	--	0.0	0.0	0.0	--	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--	--
2027									
Building Construction	--	--	--	--	--	0.0	0.0	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.0	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - Total - Mitigated - Maximum Daily SO2 Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	0.3	0.2	--	--	--	--	--	--	--
Grading	0.3	--	--	--	--	--	--	--	--
Dust Control	0.2	--	--	--	--	--	--	--	--
Utility Installation	--	0.1	--	--	--	--	--	--	--
Building Construction	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	0.0	0.1	0.1	0.1	0.1	0.0	0.0
Paving	--	--	0.0	0.1	0.1	--	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--	--
2027									
Building Construction	--	--	--	--	--	0.1	0.1	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.1	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

Maximum Buildout Scenario - Summer - On-Site - Unmitigated - Maximum Daily PM10 Exhaust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	0.5	1.8	1.8	1.6	1.7	1.5
Grading	--	--	--	--	--	--	--	--
Dust Control	1.7	--	--	--	--	--	--	--
Utility Installation	--	1.0	--	--	--	--	--	--
Building Construction	--	--	0.4	0.9	0.9	0.7	0.8	0.5
Paving	--	0.4	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	0.8	0.8	0.6	0.7	0.5
Paving	--	--	--	--	--	--	--	0.4
Architectural Coating	--	--	--	--	--	--	--	0.0
2027								
Building Construction	--	--	--	--	--	0.6	0.6	--
Paving	--	--	--	--	--	0.5	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--
2028								
Building Construction	--	--	--	--	--	--	0.6	--
Paving	--	--	--	--	--	--	0.5	--
Architectural Coating	--	--	--	--	--		0.0	--

Maximum Buildout Scenario - Summer - Off-Site - Unmitigated - Maximum Daily PM10 Exhaust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	0.1	0.0	0.0	0.0	0.0	0.0
Grading	--	--	--	--	--	--	--	--
Dust Control	0.0	--	--	--	--	--	--	--
Utility Installation	--	0.0	--	--	--	--	--	--
Building Construction	--	--	0.0	0.1	0.1	0.1	0.1	0.0
Paving	--	0.0	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	0.1	0.1	0.1	0.1	0.0
Paving	--	--	--	--	--	--	--	0.0
Architectural Coating	--	--	--	--	--	--	--	0.0
2027								
Building Construction	--	--	--	--	--	0.1	0.1	--
Paving	--	--	--	--	--	0.0	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--
2028								
Building Construction	--	--	--	--	--	--	0.1	--
Paving	--	--	--	--	--	--	0.0	--
Architectural Coating	--	--	--	--	--		0.0	--

Maximum Buildout Scenario - Summer - Total - Unmitigated - Maximum Daily PM10 Exhaust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	0.5	1.8	1.8	1.6	1.7	1.5
Grading	--	--	--	--	--	--	--	--
Dust Control	1.7	--	--	--	--	--	--	--
Utility Installation	--	1.0	--	--	--	--	--	--
Building Construction	--	--	0.4	0.9	0.9	0.8	0.9	0.5
Paving	--	0.5	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	0.8	0.8	0.7	0.8	0.5
Paving	--	--	--	--	--	--	--	0.4
Architectural Coating	--	--	--	--	--	--	--	0.0
2027								
Building Construction	--	--	--	--	--	0.6	0.7	--
Paving	--	--	--	--	--	0.5	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--
2028								
Building Construction	--	--	--	--	--	--	0.7	--
Paving	--	--	--	--	--	--	0.5	--
Architectural Coating	--	--	--	--	--		0.0	--

Maximum Buildout Scenario - Summer - On-Site - Mitigated - Maximum Daily PM10 Exhaust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	0.1	0.2	0.2	0.2	0.2	0.1
Grading	--	--	--	--	--	--	--	--
Dust Control	0.4	--	--	--	--	--	--	--
Utility Installation	--	0.2	--	--	--	--	--	--
Building Construction	--	--	0.0	0.2	0.2	0.1	0.1	0.1
Paving	--	0.2	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	0.2	0.2	0.1	0.1	0.1
Paving	--	--	--	--	--	--	--	0.1
Architectural Coating	--	--	--	--	--	--	--	0.0
2027								
Building Construction	--	--	--	--	--	0.1	0.1	--
Paving	--	--	--	--	--	0.2	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--
2028								
Building Construction	--	--	--	--	--	--	0.1	--
Paving	--	--	--	--	--	--	0.2	--
Architectural Coating	--	--	--	--	--	--	0.0	--

Maximum Buildout Scenario - Summer - Off-Site - Mitigated - Maximum Daily PM10 Exhaust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	0.1	0.0	0.0	0.0	0.0	0.0
Grading	--	--	--	--	--	--	--	--
Dust Control	0.0	--	--	--	--	--	--	--
Utility Installation	--	0.0	--	--	--	--	--	--
Building Construction	--	--	0.0	0.1	0.1	0.1	0.1	0.0
Paving	--	0.0	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	0.1	0.1	0.1	0.1	0.0
Paving	--	--	--	--	--	--	--	0.0
Architectural Coating	--	--	--	--	--	--	--	0.0
2027								
Building Construction	--	--	--	--	--	0.1	0.1	--
Paving	--	--	--	--	--	0.0	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--
2028								
Building Construction	--	--	--	--	--	--	0.1	--
Paving	--	--	--	--	--	--	0.0	--
Architectural Coating	--	--	--	--	--	--	0.0	--

Maximum Buildout Scenario - Summer - Total - Mitigated - Maximum Daily PM10 Exhaust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	0.1	0.2	0.2	0.2	0.2	0.1
Grading	--	--	--	--	--	--	--	--
Dust Control	0.4	--	--	--	--	--	--	--
Utility Installation	--	0.2	--	--	--	--	--	--
Building Construction	--	--	0.0	0.3	0.2	0.2	0.2	0.1
Paving	--	0.2	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	0.3	0.2	0.2	0.2	0.1
Paving	--	--	--	--	--	--	--	0.1
Architectural Coating	--	--	--	--	--	--	--	0.0
2027								
Building Construction	--	--	--	--	--	0.2	0.2	--
Paving	--	--	--	--	--	0.2	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--
2028								
Building Construction	--	--	--	--	--	--	0.2	--
Paving	--	--	--	--	--	--	0.2	--
Architectural Coating	--	--	--	--	--	--	0.0	--

Maximum Buildout Scenario - Winter - On-Site - Unmitigated - Maximum Daily PM10 Exhaust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	3.0	1.4	--	--	--	--	--	--
Grading	3.0	--	--	--	--	--	--	--
Dust Control	1.7	--	--	--	--	--	--	--
Utility Installation	--	1.0	--	--	--	--	--	--
Building Construction	--	--	0.4	0.9	0.9	0.7	0.8	0.5
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.4	0.8	0.8	0.6	0.7	0.5
Paving	--	--	0.3	0.7	0.7	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--
2027								
Building Construction	--	--	--	--	--	0.6	0.6	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--
2028								
Building Construction	--	--	--	--	--	--	0.6	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--		--	--

Maximum Buildout Scenario - Winter - Off-Site - Unmitigated - Maximum Daily PM10 Exhaust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	0.0	0.2	--	--	--	--	--	--
Grading	0.0	--	--	--	--	--	--	--
Dust Control	0.0	--	--	--	--	--	--	--
Utility Installation	--	0.0	--	--	--	--	--	--
Building Construction	--	--	0.0	0.1	0.1	0.1	0.1	0.0
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.0	0.1	0.1	0.1	0.1	0.0
Paving	--	--	0.0	0.0	0.0	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--
2027								
Building Construction	--	--	--	--	--	0.1	0.1	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0		--	--
2028								
Building Construction	--	--	--	--	--	--	0.1	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--		--	--

Maximum Buildout Scenario - Winter - Total - Unmitigated - Maximum Daily PM10 Exhaust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	3.0	1.6	--	--	--	--	--	--
Grading	3.0	--	--	--	--	--	--	--
Dust Control	1.7	--	--	--	--	--	--	--
Utility Installation	--	1.0	--	--	--	--	--	--
Building Construction	--	--	0.4	0.9	0.9	0.8	0.9	0.5
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.4	0.8	0.8	0.7	0.8	0.5
Paving	--	--	0.3	0.7	0.7	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--
2027								
Building Construction	--	--	--	--	--	0.6	0.7	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--
2028								
Building Construction	--	--	--	--	--	--	0.7	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--		--	--

Maximum Buildout Scenario - Winter - On-Site - Mitigated - Maximum Daily PM10 Exhaust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	0.5	0.3	--	--	--	--	--	--
Grading	0.6	--	--	--	--	--	--	--
Dust Control	0.4	--	--	--	--	--	--	--
Utility Installation	--	0.2	--	--	--	--	--	--
Building Construction	--	--	0.0	0.2	0.2	0.1	0.1	0.1
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.0	0.2	0.2	0.1	0.1	0.1
Paving	--	--	0.1	0.3	0.2	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--
2027								
Building Construction	--	--	--	--	--	0.1	0.1	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--
2028								
Building Construction	--	--	--	--	--	--	0.1	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--

Maximum Buildout Scenario - Winter - Off-Site - Mitigated - Maximum Daily PM10 Exhaust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	0.0	0.2	--	--	--	--	--	--
Grading	0.0	--	--	--	--	--	--	--
Dust Control	0.0	--	--	--	--	--	--	--
Utility Installation	--	0.0	--	--	--	--	--	--
Building Construction	--	--	0.0	0.1	0.1	0.1	0.1	0.0
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.0	0.1	0.1	0.1	0.1	0.0
Paving	--	--	0.0	0.0	0.0	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--
2027								
Building Construction	--	--	--	--	--	0.1	0.1	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--
2028								
Building Construction	--	--	--	--	--	--	0.1	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--

Maximum Buildout Scenario - Winter - Total - Mitigated - Maximum Daily PM10 Exhaust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	0.5	0.5	--	--	--	--	--	--
Grading	0.6	--	--	--	--	--	--	--
Dust Control	0.4	--	--	--	--	--	--	--
Utility Installation	--	0.2	--	--	--	--	--	--
Building Construction	--	--	0.0	0.3	0.2	0.2	0.2	0.1
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.0	0.3	0.2	0.2	0.2	0.1
Paving	--	--	0.1	0.3	0.2	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--
2027								
Building Construction	--	--	--	--	--	0.2	0.2	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0		--	--
2028								
Building Construction	--	--	--	--	--	--	0.2	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--

S2 - Summer - On-Site - Unmitigated - Maximum Daily PM10 Exhaust Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	0.5	1.8	1.8	1.6	1.7	1.4	1.5
Grading	--	--	--	--	--	--	--	--	--
Dust Control	1.7	--	--	--	--	--	--	--	--
Utility Installation	--	1.0	--	--	--	--	--	--	--
Building Construction	--	--	0.4	0.9	0.9	0.7	0.7	0.5	0.5
Paving	--	0.4	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	0.8	0.8	0.6	0.7	0.4	0.5
Paving	--	--	--	--	--	--	--	0.3	0.4
Architectural Coating	--	--	--	--	--	--	--	0.0	0.0
2027									
Building Construction	--	--	--	--	--	0.6	0.6	--	--
Paving	--	--	--	--	--	0.5	--	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.5	--	--
Paving	--	--	--	--	--	--	0.5	--	--
Architectural Coating	--	--	--	--	--	--	0.0	--	--

S2 - Summer - Off-Site - Unmitigated - Maximum Daily PM10 Exhaust Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Grading	--	--	--	--	--	--	--	--	--
Dust Control	0.0	--	--	--	--	--	--	--	--
Utility Installation	--	0.0	--	--	--	--	--	--	--
Building Construction	--	--	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Paving	--	0.0	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	0.1	0.1	0.0	0.0	0.0	0.0
Paving	--	--	--	--	--	--	--	0.0	0.0
Architectural Coating	--	--	--	--	--	--	--	0.0	0.0
2027									
Building Construction	--	--	--	--	--	0.0	0.0	--	--
Paving	--	--	--	--	--	0.0	--	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.0	--	--
Paving	--	--	--	--	--	--	0.0	--	--
Architectural Coating	--	--	--	--	--	--	0.0	--	--

S2 - Summer - Total - Unmitigated - Maximum Daily PM10 Exhaust Emissions (lbs/day)										
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	
2025										
Site Preparation	--	--	0.5	1.8	1.8	1.6	1.7	1.4	1.5	#
Grading	--	--	--	--	--	--	--	--	--	
Dust Control	1.7	--	--	--	--	--	--	--	--	
Utility Installation	--	1.0	--	--	--	--	--	--	--	
Building Construction	--	--	0.4	0.9	0.9	0.7	0.8	0.5	0.5	
Paving	--	0.5	--	--	--	--	--	--	0.0	
Architectural Coating	--	--	--	--	--	--	--	--	0.0	
2026										
Building Construction	--	--	--	0.8	0.8	0.7	0.7	0.4	0.5	
Paving	--	--	--	--	--	--	--	0.3	0.4	
Architectural Coating	--	--	--	--	--	--	--	0.0	0.0	
2027										
Building Construction	--	--	--	--	--	0.6	0.6	--	--	
Paving	--	--	--	--	--	0.5	--	--	--	
Architectural Coating	--	--	--	--	--	0.0	--	--	--	
2028										
Building Construction	--	--	--	--	--	--	0.6	--	--	
Paving	--	--	--	--	--	--	0.5	--	--	
Architectural Coating	--	--	--	--	--	--	0.0	--	--	

S2 - Summer - On-Site - Mitigated - Maximum Daily PM10 Exhaust Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	0.1	0.2	0.2	0.2	0.2	0.1	0.1
Grading	--	--	--	--	--	--	--	--	--
Dust Control	0.4	--	--	--	--	--	--	--	--
Utility Installation	--	0.2	--	--	--	--	--	--	--
Building Construction	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.1
Paving	--	0.2	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	0.2	0.2	0.1	0.1	0.1	0.1
Paving	--	--	--	--	--	--	--	0.1	0.1
Architectural Coating	--	--	--	--	--	--	--	0.0	0.0
2027									
Building Construction	--	--	--	--	--	0.1	0.1	--	--
Paving	--	--	--	--	--	0.2	--	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.1	--	--
Paving	--	--	--	--	--	--	0.2	--	--
Architectural Coating	--	--	--	--	--	--	0.0	--	--

S2 - Summer - Off-Site - Mitigated - Maximum Daily PM10 Exhaust Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Grading	--	--	--	--	--	--	--	--	--
Dust Control	0.0	--	--	--	--	--	--	--	--
Utility Installation	--	0.0	--	--	--	--	--	--	--
Building Construction	--	--	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Paving	--	0.0	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	0.1	0.1	0.0	0.0	0.0	0.0
Paving	--	--	--	--	--	--	--	0.0	0.0
Architectural Coating	--	--	--	--	--	--	--	0.0	0.0
2027									
Building Construction	--	--	--	--	--	0.0	0.0	--	--
Paving	--	--	--	--	--	0.0	--	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.0	--	--
Paving	--	--	--	--	--	--	0.0	--	--
Architectural Coating	--	--	--	--	--	--	0.0	--	--

S2 - Summer - Total - Mitigated - Maximum Daily PM10 Exhaust Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	0.1	0.2	0.2	0.2	0.2	0.1	0.1
Grading	--	--	--	--	--	--	--	--	--
Dust Control	0.4	--	--	--	--	--	--	--	--
Utility Installation	--	0.2	--	--	--	--	--	--	--
Building Construction	--	--	0.0	0.3	0.2	0.1	0.2	0.1	0.2
Paving	--	0.2	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	0.3	0.2	0.1	0.2	0.1	0.1
Paving	--	--	--	--	--	--	--	0.1	0.1
Architectural Coating	--	--	--	--	--	--	--	0.0	0.0
2027									
Building Construction	--	--	--	--	--	0.1	0.2	--	--
Paving	--	--	--	--	--	0.2	--	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.2	--	--
Paving	--	--	--	--	--	--	0.2	--	--
Architectural Coating	--	--	--	--	--	--	0.0	--	--

S2 - Winter - On-Site - Unmitigated - Maximum Daily PM10 Exhaust Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	3.0	1.4	--	--	--	--	--	--	--
Grading	3.0	--	--	--	--	--	--	--	--
Dust Control	1.7	--	--	--	--	--	--	--	--
Utility Installation	--	1.0	--	--	--	--	--	--	--
Building Construction	--	--	0.4	0.9	0.9	0.7	0.7	0.5	0.5
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	0.4	0.8	0.8	0.6	0.7	0.4	0.5
Paving	--	--	0.3	0.7	0.7	--	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--	--
2027									
Building Construction	--	--	--	--	--	0.6	0.6	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.5	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - Off-Site - Unmitigated - Maximum Daily PM10 Exhaust Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	0.0	0.2	--	--	--	--	--	--	--
Grading	0.0	--	--	--	--	--	--	--	--
Dust Control	0.0	--	--	--	--	--	--	--	--
Utility Installation	--	0.0	--	--	--	--	--	--	--
Building Construction	--	--	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Paving	--	--	0.0	0.0	0.0	--	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--	--
2027									
Building Construction	--	--	--	--	--	0.0	0.0	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.0	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - Total - Unmitigated - Maximum Daily PM10 Exhaust Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	3.0	1.6	--	--	--	--	--	--	--
Grading	3.0	--	--	--	--	--	--	--	--
Dust Control	1.7	--	--	--	--	--	--	--	--
Utility Installation	--	1.0	--	--	--	--	--	--	--
Building Construction	--	--	0.4	0.9	0.9	0.7	0.8	0.5	0.5
Paving	--	--	--	--	--	--	--	--	0.0
Architectural Coating	--	--	--	--	--	--	--	--	0.0
2026									
Building Construction	--	--	0.4	0.8	0.8	0.7	0.7	0.4	0.5
Paving	--	--	0.3	0.7	0.7	--	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--	--
2027									
Building Construction	--	--	--	--	--	0.6	0.6	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.6	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - On-Site - Mitigated - Maximum Daily PM10 Exhaust Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	0.5	0.3	--	--	--	--	--	--	--
Grading	0.6	--	--	--	--	--	--	--	
Dust Control	0.4	--	--	--	--	--	--	--	
Utility Installation	--	0.2	--	--	--	--	--	--	
Building Construction	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.1
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.1
Paving	--	--	0.1	0.3	0.2	--	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--	--
2027									
Building Construction	--	--	--	--	--	0.1	0.1	--	
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.1	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - Off-Site - Mitigated - Maximum Daily PM10 Exhaust Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	0.0	0.2	--	--	--	--	--	--	--
Grading	0.0	--	--	--	--	--	--	--	--
Dust Control	0.0	--	--	--	--	--	--	--	--
Utility Installation	--	0.0	--	--	--	--	--	--	--
Building Construction	--	--	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Paving	--	--	0.0	0.0	0.0	--	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--	--
2027									
Building Construction	--	--	--	--	--	0.0	0.0	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.0	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - Total - Mitigated - Maximum Daily PM10 Exhaust Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	0.5	0.5	--	--	--	--	--	--	--
Grading	0.6	--	--	--	--	--	--	--	--
Dust Control	0.4	--	--	--	--	--	--	--	--
Utility Installation	--	0.2	--	--	--	--	--	--	--
Building Construction	--	--	0.0	0.3	0.2	0.1	0.2	0.1	0.2
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	0.0	0.3	0.2	0.1	0.2	0.1	0.1
Paving	--	--	0.1	0.3	0.2	--	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--	--
2027									
Building Construction	--	--	--	--	--	0.1	0.2	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.2	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

Maximum Buildout Scenario - Summer - On-Site - Unmitigated - Maximum Daily PM10 Dust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	0.4	5.1	5.1	5.1	5.1	5.1
Grading	--	--	--	--	--	--	--	--
Dust Control	0.0	--	--	--	--	--	--	--
Utility Installation	--	0.7	--	--	--	--	--	--
Building Construction	--	--	0.0	0.0	0.0	0.0	0.0	0.0
Paving	--	0.0	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	0.0	0.0	0.0	0.0	0.0
Paving	--	--	--	--	--	--	--	0.0
Architectural Coating	--	--	--	--	--	--	--	0.0
2027								
Building Construction	--	--	--	--	--	0.0	0.0	--
Paving	--	--	--	--	--	0.0	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--
2028								
Building Construction	--	--	--	--	--	--	0.0	--
Paving	--	--	--	--	--	--	0.0	--
Architectural Coating	--	--	--	--	--		0.0	--

Maximum Buildout Scenario - Summer - Off-Site - Unmitigated - Maximum Daily PM10 Dust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	42.2	8.6	8.6	7.1	7.8	5.7
Grading	--	--	--	--	--	--	--	--
Dust Control	0.6	--	--	--	--	--	--	--
Utility Installation	--	0.4	--	--	--	--	--	--
Building Construction	--	--	0.1	5.9	6.5	12.5	16.8	4.2
Paving	--	0.8	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	5.9	6.5	12.5	16.8	4.2
Paving	--	--	--	--	--	--	--	0.2
Architectural Coating	--	--	--	--	--	--	--	0.8
2027								
Building Construction	--	--	--	--	--	12.5	16.8	--
Paving	--	--	--	--	--	0.3	--	--
Architectural Coating	--	--	--	--	--	2.3	--	--
2028								
Building Construction	--	--	--	--	--	--	16.8	--
Paving	--	--	--	--	--	--	0.3	--
Architectural Coating	--	--	--	--	--		3.1	--

Maximum Buildout Scenario - Summer - Total - Unmitigated - Maximum Daily PM10 Dust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	42.6	13.7	13.7	12.2	13.0	10.8
Grading	--	--	--	--	--	--	--	--
Dust Control	0.6	--	--	--	--	--	--	--
Utility Installation	--	1.1	--	--	--	--	--	--
Building Construction	--	--	0.1	5.9	6.5	12.5	16.8	4.2
Paving	--	0.8	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	5.9	6.5	12.5	16.8	4.2
Paving	--	--	--	--	--	--	--	0.2
Architectural Coating	--	--	--	--	--	--	--	0.8
2027								
Building Construction	--	--	--	--	--	12.5	16.8	--
Paving	--	--	--	--	--	0.3	--	--
Architectural Coating	--	--	--	--	--	2.3	--	--
2028								
Building Construction	--	--	--	--	--	--	16.8	--
Paving	--	--	--	--	--	--	0.3	--
Architectural Coating	--	--	--	--	--		3.1	--

Maximum Buildout Scenario - Summer - On-Site - Mitigated - Maximum Daily PM10 Dust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	0.4	5.1	5.1	5.1	5.1	5.1
Grading	--	--	--	--	--	--	--	--
Dust Control	0.0	--	--	--	--	--	--	--
Utility Installation	--	0.7	--	--	--	--	--	--
Building Construction	--	--	0.0	0.0	0.0	0.0	0.0	0.0
Paving	--	0.0	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	0.0	0.0	0.0	0.0	0.0
Paving	--	--	--	--	--	--	--	0.0
Architectural Coating	--	--	--	--	--	--	--	0.0
2027								
Building Construction	--	--	--	--	--	0.0	0.0	--
Paving	--	--	--	--	--	0.0	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--
2028								
Building Construction	--	--	--	--	--	--	0.0	--
Paving	--	--	--	--	--	--	0.0	--
Architectural Coating	--	--	--	--	--	--	0.0	--

Maximum Buildout Scenario - Summer - Off-Site - Mitigated - Maximum Daily PM10 Dust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	42.2	8.6	8.6	7.1	7.8	5.7
Grading	--	--	--	--	--	--	--	--
Dust Control	0.6	--	--	--	--	--	--	--
Utility Installation	--	0.4	--	--	--	--	--	--
Building Construction	--	--	0.1	5.9	6.5	12.5	16.8	4.2
Paving	--	0.8	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	5.9	6.5	12.5	16.8	4.2
Paving	--	--	--	--	--	--	--	0.2
Architectural Coating	--	--	--	--	--	--	--	0.8
2027								
Building Construction	--	--	--	--	--	12.5	16.8	--
Paving	--	--	--	--	--	0.3	--	--
Architectural Coating	--	--	--	--	--	2.3	--	--
2028								
Building Construction	--	--	--	--	--	--	16.8	--
Paving	--	--	--	--	--	--	0.3	--
Architectural Coating	--	--	--	--	--	--	3.1	--

Maximum Buildout Scenario - Summer - Total - Mitigated - Maximum Daily PM10 Dust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	42.6	13.7	13.7	12.2	13.0	10.8
Grading	--	--	--	--	--	--	--	--
Dust Control	0.6	--	--	--	--	--	--	--
Utility Installation	--	1.1	--	--	--	--	--	--
Building Construction	--	--	0.1	5.9	6.5	12.5	16.8	4.2
Paving	--	0.8	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	5.9	6.5	12.5	16.8	4.2
Paving	--	--	--	--	--	--	--	0.2
Architectural Coating	--	--	--	--	--	--	--	0.8
2027								
Building Construction	--	--	--	--	--	12.5	16.8	--
Paving	--	--	--	--	--	0.3	--	--
Architectural Coating	--	--	--	--	--	2.3	--	--
2028								
Building Construction	--	--	--	--	--	--	16.8	--
Paving	--	--	--	--	--	--	0.3	--
Architectural Coating	--	--	--	--	--	--	3.1	--

Maximum Buildout Scenario - Winter - On-Site - Unmitigated - Maximum Daily PM10 Dust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	5.1	0.9	--	--	--	--	--	--
Grading	2.4	--	--	--	--	--	--	--
Dust Control	0.0	--	--	--	--	--	--	--
Utility Installation	--	0.7	--	--	--	--	--	--
Building Construction	--	--	0.0	0.0	0.0	0.0	0.0	0.0
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.0	0.0	0.0	0.0	0.0	0.0
Paving	--	--	0.0	0.0	0.0	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--
2027								
Building Construction	--	--	--	--	--	0.0	0.0	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--
2028								
Building Construction	--	--	--	--	--	--	0.0	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--		--	--

Maximum Buildout Scenario - Winter - Off-Site - Unmitigated - Maximum Daily PM10 Dust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	51.8	56.9	--	--	--	--	--	--
Grading	1.0	--	--	--	--	--	--	--
Dust Control	0.6	--	--	--	--	--	--	--
Utility Installation	--	0.4	--	--	--	--	--	--
Building Construction	--	--	0.1	5.9	6.5	12.5	16.8	4.2
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.1	5.9	6.5	12.5	16.8	4.2
Paving	--	--	0.2	0.4	0.4	--	--	--
Architectural Coating	--	--	0.0	0.9	1.0	--	--	--
2027								
Building Construction	--	--	--	--	--	12.5	16.8	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.9	1.0		--	--
2028								
Building Construction	--	--	--	--	--	--	16.8	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--		--	--

Maximum Buildout Scenario - Winter - Total - Unmitigated - Maximum Daily PM10 Dust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	56.9	57.8	--	--	--	--	--	--
Grading	3.4	--	--	--	--	--	--	--
Dust Control	0.6	--	--	--	--	--	--	--
Utility Installation	--	1.1	--	--	--	--	--	--
Building Construction	--	--	0.1	5.9	6.5	12.5	16.8	4.2
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.1	5.9	6.5	12.5	16.8	4.2
Paving	--	--	0.2	0.4	0.4	--	--	--
Architectural Coating	--	--	0.0	0.9	1.0	--	--	--
2027								
Building Construction	--	--	--	--	--	12.5	16.8	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.9	1.0	--	--	--
2028								
Building Construction	--	--	--	--	--	--	16.8	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--		--	--

Maximum Buildout Scenario - Winter - On-Site - Mitigated - Maximum Daily PM10 Dust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	5.1	0.9	--	--	--	--	--	--
Grading	2.4	--	--	--	--	--	--	--
Dust Control	0.0	--	--	--	--	--	--	--
Utility Installation	--	0.7	--	--	--	--	--	--
Building Construction	--	--	0.0	0.0	0.0	0.0	0.0	0.0
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.0	0.0	0.0	0.0	0.0	0.0
Paving	--	--	0.0	0.0	0.0	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--
2027								
Building Construction	--	--	--	--	--	0.0	0.0	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--
2028								
Building Construction	--	--	--	--	--	--	0.0	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--

Maximum Buildout Scenario - Winter - Off-Site - Mitigated - Maximum Daily PM10 Dust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	51.8	56.9	--	--	--	--	--	--
Grading	1.0	--	--	--	--	--	--	--
Dust Control	0.6	--	--	--	--	--	--	--
Utility Installation	--	0.4	--	--	--	--	--	--
Building Construction	--	--	0.1	5.9	6.5	12.5	16.8	4.2
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.1	5.9	6.5	12.5	16.8	4.2
Paving	--	--	0.2	0.4	0.4	--	--	--
Architectural Coating	--	--	0.0	0.9	1.0	--	--	--
2027								
Building Construction	--	--	--	--	--	12.5	16.8	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.9	1.0	--	--	--
2028								
Building Construction	--	--	--	--	--	--	16.8	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--

Maximum Buildout Scenario - Winter - Total - Mitigated - Maximum Daily PM10 Dust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	56.9	57.8	--	--	--	--	--	--
Grading	3.4	--	--	--	--	--	--	--
Dust Control	0.6	--	--	--	--	--	--	--
Utility Installation	--	1.1	--	--	--	--	--	--
Building Construction	--	--	0.1	5.9	6.5	12.5	16.8	4.2
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.1	5.9	6.5	12.5	16.8	4.2
Paving	--	--	0.2	0.4	0.4	--	--	--
Architectural Coating	--	--	0.0	0.9	1.0	--	--	--
2027								
Building Construction	--	--	--	--	--	12.5	16.8	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.9	1.0		--	--
2028								
Building Construction	--	--	--	--	--	--	16.8	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--

S2 - Summer - On-Site - Unmitigated - Maximum Daily PM10 Dust Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	0.4	5.1	5.1	5.1	5.1	5.1	5.1
Grading	--	--	--	--	--	--	--	--	--
Dust Control	0.0	--	--	--	--	--	--	--	--
Utility Installation	--	0.7	--	--	--	--	--	--	--
Building Construction	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Paving	--	0.0	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0
Paving	--	--	--	--	--	--	--	0.0	0.0
Architectural Coating	--	--	--	--	--	--	--	0.0	0.0
2027									
Building Construction	--	--	--	--	--	0.0	0.0	--	--
Paving	--	--	--	--	--	0.0	--	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.0	--	--
Paving	--	--	--	--	--	--	0.0	--	--
Architectural Coating	--	--	--	--	--	--	0.0	--	--

S2 - Summer - Off-Site - Unmitigated - Maximum Daily PM10 Dust Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	42.2	8.6	8.6	7.1	7.8	5.7	5.7
Grading	--	--	--	--	--	--	--	--	--
Dust Control	0.6	--	--	--	--	--	--	--	--
Utility Installation	--	0.4	--	--	--	--	--	--	--
Building Construction	--	--	0.1	5.9	6.5	4.6	8.2	0.1	1.6
Paving	--	0.8	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	5.9	6.5	4.6	8.2	0.1	1.6
Paving	--	--	--	--	--	--	--	0.3	0.2
Architectural Coating	--	--	--	--	--	--	--	0.0	0.3
2027									
Building Construction	--	--	--	--	--	4.6	8.2	--	--
Paving	--	--	--	--	--	0.3	--	--	--
Architectural Coating	--	--	--	--	--	0.8	--	--	--
2028									
Building Construction	--	--	--	--	--	--	8.2	--	--
Paving	--	--	--	--	--	--	0.3	--	--
Architectural Coating	--	--	--	--	--	--	1.5	--	--

S2 - Summer - Total - Unmitigated - Maximum Daily PM10 Dust Emissions (lbs/day)										
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	
2025										
Site Preparation	--	--	42.6	13.7	13.7	12.2	13.0	10.8	10.8	#
Grading	--	--	--	--	--	--	--	--	--	
Dust Control	0.6	--	--	--	--	--	--	--	--	
Utility Installation	--	1.1	--	--	--	--	--	--	--	
Building Construction	--	--	0.1	5.9	6.5	4.6	8.2	0.1	1.6	
Paving	--	0.8	--	--	--	--	--	--	0.0	
Architectural Coating	--	--	--	--	--	--	--	--	0.0	
2026										
Building Construction	--	--	--	5.9	6.5	4.6	8.2	0.1	1.6	
Paving	--	--	--	--	--	--	--	0.3	0.2	
Architectural Coating	--	--	--	--	--	--	--	0.0	0.3	
2027										
Building Construction	--	--	--	--	--	4.6	8.2	--	--	
Paving	--	--	--	--	--	0.3	--	--	--	
Architectural Coating	--	--	--	--	--	0.8	--	--	--	
2028										
Building Construction	--	--	--	--	--	--	8.2	--	--	
Paving	--	--	--	--	--	--	0.3	--	--	
Architectural Coating	--	--	--	--	--	--	1.5	--	--	

S2 - Summer - On-Site - Mitigated - Maximum Daily PM10 Dust Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	0.4	5.1	5.1	5.1	5.1	5.1	5.1
Grading	--	--	--	--	--	--	--	--	--
Dust Control	0.0	--	--	--	--	--	--	--	--
Utility Installation	--	0.7	--	--	--	--	--	--	--
Building Construction	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Paving	--	0.0	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0
Paving	--	--	--	--	--	--	--	0.0	0.0
Architectural Coating	--	--	--	--	--	--	--	0.0	0.0
2027									
Building Construction	--	--	--	--	--	0.0	0.0	--	--
Paving	--	--	--	--	--	0.0	--	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.0	--	--
Paving	--	--	--	--	--	--	0.0	--	--
Architectural Coating	--	--	--	--	--	--	0.0	--	--

S2 - Summer - Off-Site - Mitigated - Maximum Daily PM10 Dust Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	42.2	8.6	8.6	7.1	7.8	5.7	5.7
Grading	--	--	--	--	--	--	--	--	--
Dust Control	0.6	--	--	--	--	--	--	--	--
Utility Installation	--	0.4	--	--	--	--	--	--	--
Building Construction	--	--	0.1	5.9	6.5	4.6	8.2	0.1	1.6
Paving	--	0.8	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	5.9	6.5	4.6	8.2	0.1	1.6
Paving	--	--	--	--	--	--	--	0.3	0.2
Architectural Coating	--	--	--	--	--	--	--	0.0	0.3
2027									
Building Construction	--	--	--	--	--	4.6	8.2	--	--
Paving	--	--	--	--	--	0.3	--	--	--
Architectural Coating	--	--	--	--	--	0.8	--	--	--
2028									
Building Construction	--	--	--	--	--	--	8.2	--	--
Paving	--	--	--	--	--	--	0.3	--	--
Architectural Coating	--	--	--	--	--	--	1.5	--	--

S2 - Summer - Total - Mitigated - Maximum Daily PM10 Dust Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	42.6	13.7	13.7	12.2	13.0	10.8	10.8
Grading	--	--	--	--	--	--	--	--	--
Dust Control	0.6	--	--	--	--	--	--	--	--
Utility Installation	--	1.1	--	--	--	--	--	--	--
Building Construction	--	--	0.1	5.9	6.5	4.6	8.2	0.1	1.6
Paving	--	0.8	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	5.9	6.5	4.6	8.2	0.1	1.6
Paving	--	--	--	--	--	--	--	0.3	0.2
Architectural Coating	--	--	--	--	--	--	--	0.0	0.3
2027									
Building Construction	--	--	--	--	--	4.6	8.2	--	--
Paving	--	--	--	--	--	0.3	--	--	--
Architectural Coating	--	--	--	--	--	0.8	--	--	--
2028									
Building Construction	--	--	--	--	--	--	8.2	--	--
Paving	--	--	--	--	--	--	0.3	--	--
Architectural Coating	--	--	--	--	--	--	1.5	--	--

S2 - Winter - On-Site - Unmitigated - Maximum Daily PM10 Dust Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	5.1	0.9	--	--	--	--	--	--	--
Grading	2.4	--	--	--	--	--	--	--	--
Dust Control	0.0	--	--	--	--	--	--	--	--
Utility Installation	--	0.7	--	--	--	--	--	--	--
Building Construction	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Paving	--	--	0.0	0.0	0.0	--	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--	--
2027									
Building Construction	--	--	--	--	--	0.0	0.0	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.0	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - Off-Site - Unmitigated - Maximum Daily PM10 Dust Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	51.8	56.9	--	--	--	--	--	--	--
Grading	1.0	--	--	--	--	--	--	--	--
Dust Control	0.6	--	--	--	--	--	--	--	--
Utility Installation	--	0.4	--	--	--	--	--	--	--
Building Construction	--	--	0.1	5.9	6.5	4.6	8.2	0.1	1.6
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	0.1	5.9	6.5	4.6	8.2	0.1	1.6
Paving	--	--	0.2	0.4	0.4	--	--	--	--
Architectural Coating	--	--	0.0	0.9	1.0	--	--	--	--
2027									
Building Construction	--	--	--	--	--	4.6	8.2	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.9	1.0	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	8.2	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - Total - Unmitigated - Maximum Daily PM10 Dust Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	56.9	57.8	--	--	--	--	--	--	--
Grading	3.4	--	--	--	--	--	--	--	--
Dust Control	0.6	--	--	--	--	--	--	--	--
Utility Installation	--	1.1	--	--	--	--	--	--	--
Building Construction	--	--	0.1	5.9	6.5	4.6	8.2	0.1	1.6
Paving	--	--	--	--	--	--	--	--	0.0
Architectural Coating	--	--	--	--	--	--	--	--	0.0
2026									
Building Construction	--	--	0.1	5.9	6.5	4.6	8.2	0.1	1.6
Paving	--	--	0.2	0.4	0.4	--	--	--	--
Architectural Coating	--	--	0.0	0.9	1.0	--	--	--	--
2027									
Building Construction	--	--	--	--	--	4.6	8.2	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.9	1.0	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	8.2	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - On-Site - Mitigated - Maximum Daily PM10 Dust Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	5.1	0.9	--	--	--	--	--	--	--
Grading	2.4	--	--	--	--	--	--	--	
Dust Control	0.0	--	--	--	--	--	--	--	
Utility Installation	--	0.7	--	--	--	--	--	--	
Building Construction	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Paving	--	--	0.0	0.0	0.0	--	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--	--
2027									
Building Construction	--	--	--	--	--	0.0	0.0	--	
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.0	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - Off-Site - Mitigated - Maximum Daily PM10 Dust Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	51.8	56.9	--	--	--	--	--	--	--
Grading	1.0	--	--	--	--	--	--	--	--
Dust Control	0.6	--	--	--	--	--	--	--	--
Utility Installation	--	0.4	--	--	--	--	--	--	--
Building Construction	--	--	0.1	5.9	6.5	4.6	8.2	0.1	1.6
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	0.1	5.9	6.5	4.6	8.2	0.1	1.6
Paving	--	--	0.2	0.4	0.4	--	--	--	--
Architectural Coating	--	--	0.0	0.9	1.0	--	--	--	--
2027									
Building Construction	--	--	--	--	--	4.6	8.2	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.9	1.0	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	8.2	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - Total - Mitigated - Maximum Daily PM10 Dust Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	56.9	57.8	--	--	--	--	--	--	--
Grading	3.4	--	--	--	--	--	--	--	--
Dust Control	0.6	--	--	--	--	--	--	--	--
Utility Installation	--	1.1	--	--	--	--	--	--	--
Building Construction	--	--	0.1	5.9	6.5	4.6	8.2	0.1	1.6
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	0.1	5.9	6.5	4.6	8.2	0.1	1.6
Paving	--	--	0.2	0.4	0.4	--	--	--	--
Architectural Coating	--	--	0.0	0.9	1.0	--	--	--	--
2027									
Building Construction	--	--	--	--	--	4.6	8.2	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.9	1.0	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	8.2	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

Maximum Buildout Scenario - Summer - On-Site - Unmitigated - Maximum Daily PM10 Total Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	0.9	6.9	6.9	6.8	6.8	6.6
Grading	--	--	--	--	--	--	--	--
Dust Control	1.7	--	--	--	--	--	--	--
Utility Installation	--	1.7	--	--	--	--	--	--
Building Construction	--	--	0.4	0.9	0.9	0.7	0.8	0.5
Paving	--	0.4	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	0.8	0.8	0.6	0.7	0.5
Paving	--	--	--	--	--	--	--	0.4
Architectural Coating	--	--	--	--	--	--	--	0.0
2027								
Building Construction	--	--	--	--	--	0.6	0.6	--
Paving	--	--	--	--	--	0.5	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--
2028								
Building Construction	--	--	--	--	--	--	0.6	--
Paving	--	--	--	--	--	--	0.5	--
Architectural Coating	--	--	--	--	--		0.0	--

Maximum Buildout Scenario - Summer - Off-Site - Unmitigated - Maximum Daily PM10 Total Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	42.2	8.6	8.6	7.1	7.8	5.7
Grading	--	--	--	--	--	--	--	--
Dust Control	0.6	--	--	--	--	--	--	--
Utility Installation	--	0.4	--	--	--	--	--	--
Building Construction	--	--	0.1	6.0	6.6	12.6	16.9	4.2
Paving	--	0.9	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	6.0	6.6	12.6	16.9	4.2
Paving	--	--	--	--	--	--	--	0.2
Architectural Coating	--	--	--	--	--	--	--	0.8
2027								
Building Construction	--	--	--	--	--	12.6	16.9	--
Paving	--	--	--	--	--	0.3	--	--
Architectural Coating	--	--	--	--	--	2.3	--	--
2028								
Building Construction	--	--	--	--	--	--	16.9	--
Paving	--	--	--	--	--	--	0.3	--
Architectural Coating	--	--	--	--	--		3.1	--

Maximum Buildout Scenario - Summer - Total - Unmitigated - Maximum Daily PM10 Total Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	43.1	15.5	15.5	13.9	14.7	12.3
Grading	--	--	--	--	--	--	--	--
Dust Control	2.3	--	--	--	--	--	--	--
Utility Installation	--	2.1	--	--	--	--	--	--
Building Construction	--	--	0.5	6.9	7.5	13.3	17.7	4.7
Paving	--	1.3	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	6.8	7.4	13.2	17.6	4.7
Paving	--	--	--	--	--	--	--	0.6
Architectural Coating	--	--	--	--	--	--	--	0.8
2027								
Building Construction	--	--	--	--	--	13.2	17.5	--
Paving	--	--	--	--	--	0.8	--	--
Architectural Coating	--	--	--	--	--	2.3	--	--
2028								
Building Construction	--	--	--	--	--	--	17.5	--
Paving	--	--	--	--	--	--	0.9	--
Architectural Coating	--	--	--	--	--		3.1	--

Maximum Buildout Scenario - Summer - On-Site - Mitigated - Maximum Daily PM10 Total Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	0.5	5.3	5.3	5.3	5.3	5.2
Grading	--	--	--	--	--	--	--	--
Dust Control	0.4	--	--	--	--	--	--	--
Utility Installation	--	0.9	--	--	--	--	--	--
Building Construction	--	--	0.0	0.2	0.2	0.1	0.1	0.1
Paving	--	0.2	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	0.2	0.2	0.1	0.1	0.1
Paving	--	--	--	--	--	--	--	0.1
Architectural Coating	--	--	--	--	--	--	--	0.0
2027								
Building Construction	--	--	--	--	--	0.1	0.1	--
Paving	--	--	--	--	--	0.2	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--
2028								
Building Construction	--	--	--	--	--	--	0.1	--
Paving	--	--	--	--	--	--	0.2	--
Architectural Coating	--	--	--	--	--	--	0.0	--

Maximum Buildout Scenario - Summer - Off-Site - Mitigated - Maximum Daily PM10 Total Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	42.2	8.6	8.6	7.1	7.8	5.7
Grading	--	--	--	--	--	--	--	--
Dust Control	0.6	--	--	--	--	--	--	--
Utility Installation	--	0.4	--	--	--	--	--	--
Building Construction	--	--	0.1	6.0	6.6	12.6	16.9	4.2
Paving	--	0.9	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	6.0	6.6	12.6	16.9	4.2
Paving	--	--	--	--	--	--	--	0.2
Architectural Coating	--	--	--	--	--	--	--	0.8
2027								
Building Construction	--	--	--	--	--	12.6	16.9	--
Paving	--	--	--	--	--	0.3	--	--
Architectural Coating	--	--	--	--	--	2.3	--	--
2028								
Building Construction	--	--	--	--	--	--	16.9	--
Paving	--	--	--	--	--	--	0.3	--
Architectural Coating	--	--	--	--	--	--	3.1	--

Maximum Buildout Scenario - Summer - Total - Mitigated - Maximum Daily PM10 Total Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	42.7	13.9	13.9	12.4	13.1	10.9
Grading	--	--	--	--	--	--	--	--
Dust Control	1.0	--	--	--	--	--	--	--
Utility Installation	--	1.2	--	--	--	--	--	--
Building Construction	--	--	0.1	6.2	6.8	12.7	17.0	4.3
Paving	--	1.1	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	6.2	6.8	12.7	17.0	4.3
Paving	--	--	--	--	--	--	--	0.4
Architectural Coating	--	--	--	--	--	--	--	0.8
2027								
Building Construction	--	--	--	--	--	12.7	17.0	--
Paving	--	--	--	--	--	0.5	--	--
Architectural Coating	--	--	--	--	--	2.3	--	--
2028								
Building Construction	--	--	--	--	--	--	17.0	--
Paving	--	--	--	--	--	--	0.5	--
Architectural Coating	--	--	--	--	--	--	3.1	--

Maximum Buildout Scenario - Winter - On-Site - Unmitigated - Maximum Daily PM10 Total Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	8.1	2.3	--	--	--	--	--	--
Grading	5.4	--	--	--	--	--	--	--
Dust Control	1.7	--	--	--	--	--	--	--
Utility Installation	--	1.7	--	--	--	--	--	--
Building Construction	--	--	0.4	0.9	0.9	0.7	0.8	0.5
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.4	0.8	0.8	0.6	0.7	0.5
Paving	--	--	0.3	0.7	0.7	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--
2027								
Building Construction	--	--	--	--	--	0.6	0.6	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--
2028								
Building Construction	--	--	--	--	--	--	0.6	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--		--	--

Maximum Buildout Scenario - Winter - Off-Site - Unmitigated - Maximum Daily PM10 Total Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	51.8	57.1	--	--	--	--	--	--
Grading	1.0	--	--	--	--	--	--	--
Dust Control	0.6	--	--	--	--	--	--	--
Utility Installation	--	0.4	--	--	--	--	--	--
Building Construction	--	--	0.1	6.0	6.6	12.6	16.9	4.2
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.1	6.0	6.6	12.6	16.9	4.2
Paving	--	--	0.2	0.4	0.4	--	--	--
Architectural Coating	--	--	0.0	0.9	1.0	--	--	--
2027								
Building Construction	--	--	--	--	--	12.6	16.9	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.9	1.0		--	--
2028								
Building Construction	--	--	--	--	--	--	16.9	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--		--	--

Maximum Buildout Scenario - Winter - Total - Unmitigated - Maximum Daily PM10 Total Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	59.9	59.4	--	--	--	--	--	--
Grading	6.4	--	--	--	--	--	--	--
Dust Control	2.3	--	--	--	--	--	--	--
Utility Installation	--	2.1	--	--	--	--	--	--
Building Construction	--	--	0.5	6.9	7.5	13.3	17.7	4.7
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.5	6.8	7.4	13.2	17.6	4.7
Paving	--	--	0.5	1.1	1.1	--	--	--
Architectural Coating	--	--	0.0	1.0	1.1	--	--	--
2027								
Building Construction	--	--	--	--	--	13.2	17.5	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	1.0	1.1	--	--	--
2028								
Building Construction	--	--	--	--	--	--	17.5	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--		--	--

Maximum Buildout Scenario - Winter - On-Site - Mitigated - Maximum Daily PM10 Total Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	5.6	1.1	--	--	--	--	--	--
Grading	3.0	--	--	--	--	--	--	--
Dust Control	0.4	--	--	--	--	--	--	--
Utility Installation	--	0.9	--	--	--	--	--	--
Building Construction	--	--	0.0	0.2	0.2	0.1	0.1	0.1
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.0	0.2	0.2	0.1	0.1	0.1
Paving	--	--	0.1	0.3	0.2	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--
2027								
Building Construction	--	--	--	--	--	0.1	0.1	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--
2028								
Building Construction	--	--	--	--	--	--	0.1	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--

Maximum Buildout Scenario - Winter - Off-Site - Mitigated - Maximum Daily PM10 Total Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	51.8	57.1	--	--	--	--	--	--
Grading	1.0	--	--	--	--	--	--	--
Dust Control	0.6	--	--	--	--	--	--	--
Utility Installation	--	0.4	--	--	--	--	--	--
Building Construction	--	--	0.1	6.0	6.6	12.6	16.9	4.2
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.1	6.0	6.6	12.6	16.9	4.2
Paving	--	--	0.2	0.4	0.4	--	--	--
Architectural Coating	--	--	0.0	0.9	1.0	--	--	--
2027								
Building Construction	--	--	--	--	--	12.6	16.9	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.9	1.0	--	--	--
2028								
Building Construction	--	--	--	--	--	--	16.9	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--

Maximum Buildout Scenario - Winter - Total - Mitigated - Maximum Daily PM10 Total Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	57.4	58.2	--	--	--	--	--	--
Grading	4.0	--	--	--	--	--	--	--
Dust Control	1.0	--	--	--	--	--	--	--
Utility Installation	--	1.2	--	--	--	--	--	--
Building Construction	--	--	0.1	6.2	6.8	12.7	17.0	4.3
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.1	6.2	6.8	12.7	17.0	4.3
Paving	--	--	0.3	0.6	0.6	--	--	--
Architectural Coating	--	--	0.0	0.9	1.0	--	--	--
2027								
Building Construction	--	--	--	--	--	12.7	17.0	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.9	1.0		--	--
2028								
Building Construction	--	--	--	--	--	--	17.0	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--

S2 - Summer - On-Site - Unmitigated - Maximum Daily PM10 Total Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	0.9	6.9	6.9	6.8	6.8	6.5	6.6
Grading	--	--	--	--	--	--	--	--	--
Dust Control	1.7	--	--	--	--	--	--	--	--
Utility Installation	--	1.7	--	--	--	--	--	--	--
Building Construction	--	--	0.4	0.9	0.9	0.7	0.7	0.5	0.5
Paving	--	0.4	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	0.8	0.8	0.6	0.7	0.4	0.5
Paving	--	--	--	--	--	--	--	0.3	0.4
Architectural Coating	--	--	--	--	--	--	--	0.0	0.0
2027									
Building Construction	--	--	--	--	--	0.6	0.6	--	--
Paving	--	--	--	--	--	0.5	--	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.5	--	--
Paving	--	--	--	--	--	--	0.5	--	--
Architectural Coating	--	--	--	--	--	--	0.0	--	--

S2 - Summer - Off-Site - Unmitigated - Maximum Daily PM10 Total Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	42.2	8.6	8.6	7.1	7.8	5.7	5.7
Grading	--	--	--	--	--	--	--	--	--
Dust Control	0.6	--	--	--	--	--	--	--	--
Utility Installation	--	0.4	--	--	--	--	--	--	--
Building Construction	--	--	0.1	6.0	6.6	4.6	8.2	0.1	1.6
Paving	--	0.9	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	6.0	6.6	4.6	8.2	0.1	1.6
Paving	--	--	--	--	--	--	--	0.3	0.2
Architectural Coating	--	--	--	--	--	--	--	0.0	0.3
2027									
Building Construction	--	--	--	--	--	4.6	8.2	--	--
Paving	--	--	--	--	--	0.3	--	--	--
Architectural Coating	--	--	--	--	--	0.8	--	--	--
2028									
Building Construction	--	--	--	--	--	--	8.2	--	--
Paving	--	--	--	--	--	--	0.3	--	--
Architectural Coating	--	--	--	--	--	--	1.5	--	--

S2 - Summer - Total - Unmitigated - Maximum Daily PM10 Total Emissions (lbs/day)										
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	
2025										
Site Preparation	--	--	43.1	15.5	15.5	13.9	14.6	12.2	12.3	#
Grading	--	--	--	--	--	--	--	--	--	
Dust Control	2.3	--	--	--	--	--	--	--	--	
Utility Installation	--	2.1	--	--	--	--	--	--	--	
Building Construction	--	--	0.5	6.9	7.5	5.3	9.0	0.6	2.2	
Paving	--	1.3	--	--	--	--	--	--	0.0	
Architectural Coating	--	--	--	--	--	--	--	--	0.0	
2026										
Building Construction	--	--	--	6.8	7.4	5.3	8.9	0.5	2.1	
Paving	--	--	--	--	--	--	--	0.6	0.6	
Architectural Coating	--	--	--	--	--	--	--	0.0	0.3	
2027										
Building Construction	--	--	--	--	--	5.2	8.8	--	--	
Paving	--	--	--	--	--	0.8	--	--	--	
Architectural Coating	--	--	--	--	--	0.9	--	--	--	
2028										
Building Construction	--	--	--	--	--	--	8.8	--	--	
Paving	--	--	--	--	--	--	0.8	--	--	
Architectural Coating	--	--	--	--	--	--	1.5	--	--	

S2 - Summer - On-Site - Mitigated - Maximum Daily PM10 Total Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	0.5	5.3	5.3	5.3	5.3	5.2	5.2
Grading	--	--	--	--	--	--	--	--	--
Dust Control	0.4	--	--	--	--	--	--	--	--
Utility Installation	--	0.9	--	--	--	--	--	--	--
Building Construction	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.1
Paving	--	0.2	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	0.2	0.2	0.1	0.1	0.1	0.1
Paving	--	--	--	--	--	--	--	0.1	0.1
Architectural Coating	--	--	--	--	--	--	--	0.0	0.0
2027									
Building Construction	--	--	--	--	--	0.1	0.1	--	--
Paving	--	--	--	--	--	0.2	--	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.1	--	--
Paving	--	--	--	--	--	--	0.2	--	--
Architectural Coating	--	--	--	--	--	--	0.0	--	--

S2 - Summer - Off-Site - Mitigated - Maximum Daily PM10 Total Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	42.2	8.6	8.6	7.1	7.8	5.7	5.7
Grading	--	--	--	--	--	--	--	--	--
Dust Control	0.6	--	--	--	--	--	--	--	--
Utility Installation	--	0.4	--	--	--	--	--	--	--
Building Construction	--	--	0.1	6.0	6.6	4.6	8.2	0.1	1.6
Paving	--	0.9	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	6.0	6.6	4.6	8.2	0.1	1.6
Paving	--	--	--	--	--	--	--	0.3	0.2
Architectural Coating	--	--	--	--	--	--	--	0.0	0.3
2027									
Building Construction	--	--	--	--	--	4.6	8.2	--	--
Paving	--	--	--	--	--	0.3	--	--	--
Architectural Coating	--	--	--	--	--	0.8	--	--	--
2028									
Building Construction	--	--	--	--	--	--	8.2	--	--
Paving	--	--	--	--	--	--	0.3	--	--
Architectural Coating	--	--	--	--	--	--	1.5	--	--

S2 - Summer - Total - Mitigated - Maximum Daily PM10 Total Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	42.7	13.9	13.9	12.4	13.1	10.9	10.9
Grading	--	--	--	--	--	--	--	--	--
Dust Control	1.0	--	--	--	--	--	--	--	--
Utility Installation	--	1.2	--	--	--	--	--	--	--
Building Construction	--	--	0.1	6.2	6.8	4.7	8.4	0.1	1.8
Paving	--	1.1	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	6.2	6.8	4.7	8.4	0.1	1.8
Paving	--	--	--	--	--	--	--	0.4	0.4
Architectural Coating	--	--	--	--	--	--	--	0.0	0.3
2027									
Building Construction	--	--	--	--	--	4.7	8.4	--	--
Paving	--	--	--	--	--	0.5	--	--	--
Architectural Coating	--	--	--	--	--	0.8	--	--	--
2028									
Building Construction	--	--	--	--	--	--	8.4	--	--
Paving	--	--	--	--	--	--	0.5	--	--
Architectural Coating	--	--	--	--	--	--	1.5	--	--

S2 - Winter - On-Site - Unmitigated - Maximum Daily PM10 Total Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	8.1	2.3	--	--	--	--	--	--	--
Grading	5.4	--	--	--	--	--	--	--	--
Dust Control	1.7	--	--	--	--	--	--	--	--
Utility Installation	--	1.7	--	--	--	--	--	--	--
Building Construction	--	--	0.4	0.9	0.9	0.7	0.7	0.5	0.5
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	0.4	0.8	0.8	0.6	0.7	0.4	0.5
Paving	--	--	0.3	0.7	0.7	--	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--	--
2027									
Building Construction	--	--	--	--	--	0.6	0.6	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.5	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - Off-Site - Unmitigated - Maximum Daily PM10 Total Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	51.8	57.1	--	--	--	--	--	--	--
Grading	1.0	--	--	--	--	--	--	--	--
Dust Control	0.6	--	--	--	--	--	--	--	--
Utility Installation	--	0.4	--	--	--	--	--	--	--
Building Construction	--	--	0.1	6.0	6.6	4.6	8.2	0.1	1.6
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	0.1	6.0	6.6	4.6	8.2	0.1	1.6
Paving	--	--	0.2	0.4	0.4	--	--	--	--
Architectural Coating	--	--	0.0	0.9	1.0	--	--	--	--
2027									
Building Construction	--	--	--	--	--	4.6	8.2	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.9	1.0	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	8.2	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - Total - Unmitigated - Maximum Daily PM10 Total Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	59.9	59.4	--	--	--	--	--	--	--
Grading	6.4	--	--	--	--	--	--	--	--
Dust Control	2.3	--	--	--	--	--	--	--	--
Utility Installation	--	2.1	--	--	--	--	--	--	--
Building Construction	--	--	0.5	6.9	7.5	5.3	9.0	0.6	2.2
Paving	--	--	--	--	--	--	--	--	0.0
Architectural Coating	--	--	--	--	--	--	--	--	0.0
2026									
Building Construction	--	--	0.5	6.8	7.4	5.3	8.9	0.5	2.1
Paving	--	--	0.5	1.1	1.1	--	--	--	--
Architectural Coating	--	--	0.0	1.0	1.1	--	--	--	--
2027									
Building Construction	--	--	--	--	--	5.2	8.8	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	1.0	1.1	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	8.8	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - On-Site - Mitigated - Maximum Daily PM10 Total Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	5.6	1.1	--	--	--	--	--	--	--
Grading	3.0	--	--	--	--	--	--	--	
Dust Control	0.4	--	--	--	--	--	--	--	
Utility Installation	--	0.9	--	--	--	--	--	--	
Building Construction	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.1
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.1
Paving	--	--	0.1	0.3	0.2	--	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--	--
2027									
Building Construction	--	--	--	--	--	0.1	0.1	--	
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.1	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - Off-Site - Mitigated - Maximum Daily PM10 Total Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	51.8	57.1	--	--	--	--	--	--	--
Grading	1.0	--	--	--	--	--	--	--	--
Dust Control	0.6	--	--	--	--	--	--	--	--
Utility Installation	--	0.4	--	--	--	--	--	--	--
Building Construction	--	--	0.1	6.0	6.6	4.6	8.2	0.1	1.6
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	0.1	6.0	6.6	4.6	8.2	0.1	1.6
Paving	--	--	0.2	0.4	0.4	--	--	--	--
Architectural Coating	--	--	0.0	0.9	1.0	--	--	--	--
2027									
Building Construction	--	--	--	--	--	4.6	8.2	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.9	1.0	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	8.2	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - Total - Mitigated - Maximum Daily PM10 Total Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	57.4	58.2	--	--	--	--	--	--	--
Grading	4.0	--	--	--	--	--	--	--	--
Dust Control	1.0	--	--	--	--	--	--	--	--
Utility Installation	--	1.2	--	--	--	--	--	--	--
Building Construction	--	--	0.1	6.2	6.8	4.7	8.4	0.1	1.8
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	0.1	6.2	6.8	4.7	8.4	0.1	1.8
Paving	--	--	0.3	0.6	0.6	--	--	--	--
Architectural Coating	--	--	0.0	0.9	1.0	--	--	--	--
2027									
Building Construction	--	--	--	--	--	4.7	8.4	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.9	1.0	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	8.4	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

Maximum Buildout Scenario - Summer - On-Site - Unmitigated - Maximum Daily PM2.5 Exhaust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	0.5	1.7	1.6	1.5	1.6	1.3
Grading	--	--	--	--	--	--	--	--
Dust Control	1.5	--	--	--	--	--	--	--
Utility Installation	--	0.9	--	--	--	--	--	--
Building Construction	--	--	0.4	0.8	0.8	0.7	0.7	0.5
Paving	--	0.4	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	0.7	0.7	0.6	0.6	0.4
Paving	--	--	--	--	--	--	--	0.4
Architectural Coating	--	--	--	--	--	--	--	0.0
2027								
Building Construction	--	--	--	--	--	0.5	0.6	--
Paving	--	--	--	--	--	0.5	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--
2028								
Building Construction	--	--	--	--	--	--	0.5	--
Paving	--	--	--	--	--	--	0.5	--
Architectural Coating	--	--	--	--	--		0.0	--

Maximum Buildout Scenario - Summer - Off-Site - Unmitigated - Maximum Daily PM2.5 Exhaust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	0.1	0.0	0.0	0.0	0.0	0.0
Grading	--	--	--	--	--	--	--	--
Dust Control	0.0	--	--	--	--	--	--	--
Utility Installation	--	0.0	--	--	--	--	--	--
Building Construction	--	--	0.0	0.1	0.1	0.1	0.1	0.0
Paving	--	0.0	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	0.1	0.1	0.1	0.1	0.0
Paving	--	--	--	--	--	--	--	0.0
Architectural Coating	--	--	--	--	--	--	--	0.0
2027								
Building Construction	--	--	--	--	--	0.1	0.1	--
Paving	--	--	--	--	--	0.0	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--
2028								
Building Construction	--	--	--	--	--	--	0.1	--
Paving	--	--	--	--	--	--	0.0	--
Architectural Coating	--	--	--	--	--		0.0	--

Maximum Buildout Scenario - Summer - Total - Unmitigated - Maximum Daily PM2.5 Exhaust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	0.5	1.7	1.6	1.5	1.6	1.3
Grading	--	--	--	--	--	--	--	--
Dust Control	1.5	--	--	--	--	--	--	--
Utility Installation	--	0.9	--	--	--	--	--	--
Building Construction	--	--	0.4	0.9	0.9	0.7	0.8	0.5
Paving	--	0.4	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	0.8	0.8	0.6	0.7	0.4
Paving	--	--	--	--	--	--	--	0.4
Architectural Coating	--	--	--	--	--	--	--	0.0
2027								
Building Construction	--	--	--	--	--	0.6	0.7	--
Paving	--	--	--	--	--	0.5	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--
2028								
Building Construction	--	--	--	--	--	--	0.6	--
Paving	--	--	--	--	--	--	0.5	--
Architectural Coating	--	--	--	--	--		0.0	--

Maximum Buildout Scenario - Summer - On-Site - Mitigated - Maximum Daily PM2.5 Exhaust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	0.1	0.2	0.2	0.2	0.2	0.1
Grading	--	--	--	--	--	--	--	--
Dust Control	0.4	--	--	--	--	--	--	--
Utility Installation	--	0.2	--	--	--	--	--	--
Building Construction	--	--	0.0	0.2	0.2	0.1	0.1	0.1
Paving	--	0.2	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	0.2	0.2	0.1	0.1	0.1
Paving	--	--	--	--	--	--	--	0.1
Architectural Coating	--	--	--	--	--	--	--	0.0
2027								
Building Construction	--	--	--	--	--	0.1	0.1	--
Paving	--	--	--	--	--	0.2	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--
2028								
Building Construction	--	--	--	--	--	--	0.1	--
Paving	--	--	--	--	--	--	0.2	--
Architectural Coating	--	--	--	--	--	--	0.0	--

Maximum Buildout Scenario - Summer - Off-Site - Mitigated - Maximum Daily PM2.5 Exhaust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	0.1	0.0	0.0	0.0	0.0	0.0
Grading	--	--	--	--	--	--	--	--
Dust Control	0.0	--	--	--	--	--	--	--
Utility Installation	--	0.0	--	--	--	--	--	--
Building Construction	--	--	0.0	0.1	0.1	0.1	0.1	0.0
Paving	--	0.0	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	0.1	0.1	0.1	0.1	0.0
Paving	--	--	--	--	--	--	--	0.0
Architectural Coating	--	--	--	--	--	--	--	0.0
2027								
Building Construction	--	--	--	--	--	0.1	0.1	--
Paving	--	--	--	--	--	0.0	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--
2028								
Building Construction	--	--	--	--	--	--	0.1	--
Paving	--	--	--	--	--	--	0.0	--
Architectural Coating	--	--	--	--	--	--	0.0	--

Maximum Buildout Scenario - Summer - Total - Mitigated - Maximum Daily PM2.5 Exhaust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	0.1	0.2	0.2	0.2	0.2	0.1
Grading	--	--	--	--	--	--	--	--
Dust Control	0.4	--	--	--	--	--	--	--
Utility Installation	--	0.2	--	--	--	--	--	--
Building Construction	--	--	0.0	0.3	0.2	0.2	0.2	0.1
Paving	--	0.2	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	0.3	0.2	0.2	0.2	0.1
Paving	--	--	--	--	--	--	--	0.1
Architectural Coating	--	--	--	--	--	--	--	0.0
2027								
Building Construction	--	--	--	--	--	0.2	0.2	--
Paving	--	--	--	--	--	0.2	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--
2028								
Building Construction	--	--	--	--	--	--	0.2	--
Paving	--	--	--	--	--	--	0.2	--
Architectural Coating	--	--	--	--	--	--	0.0	--

Maximum Buildout Scenario - Winter - On-Site - Unmitigated - Maximum Daily PM2.5 Exhaust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	2.8	1.3	--	--	--	--	--	--
Grading	2.7	--	--	--	--	--	--	--
Dust Control	1.5	--	--	--	--	--	--	--
Utility Installation	--	0.9	--	--	--	--	--	--
Building Construction	--	--	0.4	0.8	0.8	0.7	0.7	0.5
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.4	0.7	0.7	0.6	0.6	0.4
Paving	--	--	0.3	0.7	0.7	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--
2027								
Building Construction	--	--	--	--	--	0.5	0.6	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--
2028								
Building Construction	--	--	--	--	--	--	0.5	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--		--	--

Maximum Buildout Scenario - Winter - Off-Site - Unmitigated - Maximum Daily PM2.5 Exhaust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	0.0	0.2	--	--	--	--	--	--
Grading	0.0	--	--	--	--	--	--	--
Dust Control	0.0	--	--	--	--	--	--	--
Utility Installation	--	0.0	--	--	--	--	--	--
Building Construction	--	--	0.0	0.1	0.1	0.1	0.1	0.0
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.0	0.1	0.1	0.1	0.1	0.0
Paving	--	--	0.0	0.0	0.0	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--
2027								
Building Construction	--	--	--	--	--	0.1	0.1	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0		--	--
2028								
Building Construction	--	--	--	--	--	--	0.1	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--		--	--

Maximum Buildout Scenario - Winter - Total - Unmitigated - Maximum Daily PM2.5 Exhaust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	2.8	1.5	--	--	--	--	--	--
Grading	2.7	--	--	--	--	--	--	--
Dust Control	1.5	--	--	--	--	--	--	--
Utility Installation	--	0.9	--	--	--	--	--	--
Building Construction	--	--	0.4	0.9	0.9	0.7	0.8	0.5
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.4	0.8	0.8	0.6	0.7	0.4
Paving	--	--	0.3	0.7	0.7	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--
2027								
Building Construction	--	--	--	--	--	0.6	0.7	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--
2028								
Building Construction	--	--	--	--	--	--	0.6	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--		--	--

Maximum Buildout Scenario - Winter - On-Site - Mitigated - Maximum Daily PM2.5 Exhaust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	0.5	0.2	--	--	--	--	--	--
Grading	0.6	--	--	--	--	--	--	--
Dust Control	0.4	--	--	--	--	--	--	--
Utility Installation	--	0.2	--	--	--	--	--	--
Building Construction	--	--	0.0	0.2	0.2	0.1	0.1	0.1
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.0	0.2	0.2	0.1	0.1	0.1
Paving	--	--	0.1	0.3	0.2	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--
2027								
Building Construction	--	--	--	--	--	0.1	0.1	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--
2028								
Building Construction	--	--	--	--	--	--	0.1	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--

Maximum Buildout Scenario - Winter - Off-Site - Mitigated - Maximum Daily PM2.5 Exhaust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	0.0	0.2	--	--	--	--	--	--
Grading	0.0	--	--	--	--	--	--	--
Dust Control	0.0	--	--	--	--	--	--	--
Utility Installation	--	0.0	--	--	--	--	--	--
Building Construction	--	--	0.0	0.1	0.1	0.1	0.1	0.0
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.0	0.1	0.1	0.1	0.1	0.0
Paving	--	--	0.0	0.0	0.0	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--
2027								
Building Construction	--	--	--	--	--	0.1	0.1	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--
2028								
Building Construction	--	--	--	--	--	--	0.1	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--

Maximum Buildout Scenario - Winter - Total - Mitigated - Maximum Daily PM2.5 Exhaust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	0.5	0.4	--	--	--	--	--	--
Grading	0.6	--	--	--	--	--	--	--
Dust Control	0.4	--	--	--	--	--	--	--
Utility Installation	--	0.2	--	--	--	--	--	--
Building Construction	--	--	0.0	0.3	0.2	0.2	0.2	0.1
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.0	0.3	0.2	0.2	0.2	0.1
Paving	--	--	0.1	0.3	0.2	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--
2027								
Building Construction	--	--	--	--	--	0.2	0.2	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0		--	--
2028								
Building Construction	--	--	--	--	--	--	0.2	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--

S2 - Summer - On-Site - Unmitigated - Maximum Daily PM2.5 Exhaust Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	0.5	1.7	1.6	1.5	1.5	1.3	1.3
Grading	--	--	--	--	--	--	--	--	--
Dust Control	1.5	--	--	--	--	--	--	--	--
Utility Installation	--	0.9	--	--	--	--	--	--	--
Building Construction	--	--	0.4	0.8	0.8	0.7	0.7	0.4	0.5
Paving	--	0.4	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	0.7	0.7	0.6	0.6	0.4	0.4
Paving	--	--	--	--	--	--	--	0.3	0.4
Architectural Coating	--	--	--	--	--	--	--	0.0	0.0
2027									
Building Construction	--	--	--	--	--	0.5	0.6	--	--
Paving	--	--	--	--	--	0.5	--	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.5	--	--
Paving	--	--	--	--	--	--	0.5	--	--
Architectural Coating	--	--	--	--	--	--	0.0	--	--

S2 - Summer - Off-Site - Unmitigated - Maximum Daily PM2.5 Exhaust Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Grading	--	--	--	--	--	--	--	--	--
Dust Control	0.0	--	--	--	--	--	--	--	--
Utility Installation	--	0.0	--	--	--	--	--	--	--
Building Construction	--	--	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Paving	--	0.0	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	0.1	0.1	0.0	0.0	0.0	0.0
Paving	--	--	--	--	--	--	--	0.0	0.0
Architectural Coating	--	--	--	--	--	--	--	0.0	0.0
2027									
Building Construction	--	--	--	--	--	0.0	0.0	--	--
Paving	--	--	--	--	--	0.0	--	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.0	--	--
Paving	--	--	--	--	--	--	0.0	--	--
Architectural Coating	--	--	--	--	--	--	0.0	--	--

S2 - Summer - Total - Unmitigated - Maximum Daily PM2.5 Exhaust Emissions (lbs/day)										
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	
2025										
Site Preparation	--	--	0.5	1.7	1.6	1.5	1.5	1.3	1.3	#
Grading	--	--	--	--	--	--	--	--	--	
Dust Control	1.5	--	--	--	--	--	--	--	--	
Utility Installation	--	0.9	--	--	--	--	--	--	--	
Building Construction	--	--	0.4	0.9	0.9	0.7	0.7	0.4	0.5	
Paving	--	0.4	--	--	--	--	--	--	0.0	
Architectural Coating	--	--	--	--	--	--	--	--	0.0	
2026										
Building Construction	--	--	--	0.8	0.8	0.6	0.6	0.4	0.4	
Paving	--	--	--	--	--	--	--	0.3	0.4	
Architectural Coating	--	--	--	--	--	--	--	0.0	0.0	
2027										
Building Construction	--	--	--	--	--	0.6	0.6	--	--	
Paving	--	--	--	--	--	0.5	--	--	--	
Architectural Coating	--	--	--	--	--	0.0	--	--	--	
2028										
Building Construction	--	--	--	--	--	--	0.5	--	--	
Paving	--	--	--	--	--	--	0.5	--	--	
Architectural Coating	--	--	--	--	--	--	0.0	--	--	

S2 - Summer - On-Site - Mitigated - Maximum Daily PM2.5 Exhaust Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	0.1	0.2	0.2	0.2	0.2	0.1	0.1
Grading	--	--	--	--	--	--	--	--	--
Dust Control	0.4	--	--	--	--	--	--	--	--
Utility Installation	--	0.2	--	--	--	--	--	--	--
Building Construction	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.1
Paving	--	0.2	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	0.2	0.2	0.1	0.1	0.1	0.1
Paving	--	--	--	--	--	--	--	0.1	0.1
Architectural Coating	--	--	--	--	--	--	--	0.0	0.0
2027									
Building Construction	--	--	--	--	--	0.1	0.1	--	--
Paving	--	--	--	--	--	0.2	--	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.1	--	--
Paving	--	--	--	--	--	--	0.2	--	--
Architectural Coating	--	--	--	--	--	--	0.0	--	--

S2 - Summer - Off-Site - Mitigated - Maximum Daily PM2.5 Exhaust Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Grading	--	--	--	--	--	--	--	--	--
Dust Control	0.0	--	--	--	--	--	--	--	--
Utility Installation	--	0.0	--	--	--	--	--	--	--
Building Construction	--	--	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Paving	--	0.0	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	0.1	0.1	0.0	0.0	0.0	0.0
Paving	--	--	--	--	--	--	--	0.0	0.0
Architectural Coating	--	--	--	--	--	--	--	0.0	0.0
2027									
Building Construction	--	--	--	--	--	0.0	0.0	--	--
Paving	--	--	--	--	--	0.0	--	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.0	--	--
Paving	--	--	--	--	--	--	0.0	--	--
Architectural Coating	--	--	--	--	--	--	0.0	--	--

S2 - Summer - Total - Mitigated - Maximum Daily PM2.5 Exhaust Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	0.1	0.2	0.2	0.2	0.2	0.1	0.1
Grading	--	--	--	--	--	--	--	--	--
Dust Control	0.4	--	--	--	--	--	--	--	--
Utility Installation	--	0.2	--	--	--	--	--	--	--
Building Construction	--	--	0.0	0.3	0.2	0.1	0.2	0.1	0.1
Paving	--	0.2	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	0.3	0.2	0.1	0.2	0.1	0.1
Paving	--	--	--	--	--	--	--	0.1	0.1
Architectural Coating	--	--	--	--	--	--	--	0.0	0.0
2027									
Building Construction	--	--	--	--	--	0.1	0.2	--	--
Paving	--	--	--	--	--	0.2	--	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.2	--	--
Paving	--	--	--	--	--	--	0.2	--	--
Architectural Coating	--	--	--	--	--	--	0.0	--	--

S2 - Winter - On-Site - Unmitigated - Maximum Daily PM2.5 Exhaust Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	2.8	1.3	--	--	--	--	--	--	--
Grading	2.7	--	--	--	--	--	--	--	--
Dust Control	1.5	--	--	--	--	--	--	--	--
Utility Installation	--	0.9	--	--	--	--	--	--	--
Building Construction	--	--	0.4	0.8	0.8	0.7	0.7	0.4	0.5
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	0.4	0.7	0.7	0.6	0.6	0.4	0.4
Paving	--	--	0.3	0.7	0.7	--	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--	--
2027									
Building Construction	--	--	--	--	--	0.5	0.6	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.5	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - Off-Site - Unmitigated - Maximum Daily PM2.5 Exhaust Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	0.0	0.2	--	--	--	--	--	--	--
Grading	0.0	--	--	--	--	--	--	--	--
Dust Control	0.0	--	--	--	--	--	--	--	--
Utility Installation	--	0.0	--	--	--	--	--	--	--
Building Construction	--	--	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Paving	--	--	0.0	0.0	0.0	--	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--	--
2027									
Building Construction	--	--	--	--	--	0.0	0.0	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.0	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - Total - Unmitigated - Maximum Daily PM2.5 Exhaust Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	2.8	1.5	--	--	--	--	--	--	--
Grading	2.7	--	--	--	--	--	--	--	--
Dust Control	1.5	--	--	--	--	--	--	--	--
Utility Installation	--	0.9	--	--	--	--	--	--	--
Building Construction	--	--	0.4	0.9	0.9	0.7	0.7	0.4	0.5
Paving	--	--	--	--	--	--	--	--	0.0
Architectural Coating	--	--	--	--	--	--	--	--	0.0
2026									
Building Construction	--	--	0.4	0.8	0.8	0.6	0.6	0.4	0.4
Paving	--	--	0.3	0.7	0.7	--	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--	--
2027									
Building Construction	--	--	--	--	--	0.6	0.6	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.5	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - On-Site - Mitigated - Maximum Daily PM2.5 Exhaust Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	0.5	0.2	--	--	--	--	--	--	--
Grading	0.6	--	--	--	--	--	--	--	
Dust Control	0.4	--	--	--	--	--	--	--	
Utility Installation	--	0.2	--	--	--	--	--	--	
Building Construction	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.1
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.1
Paving	--	--	0.1	0.3	0.2	--	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--	--
2027									
Building Construction	--	--	--	--	--	0.1	0.1	--	
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.1	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - Off-Site - Mitigated - Maximum Daily PM2.5 Exhaust Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	0.0	0.2	--	--	--	--	--	--	--
Grading	0.0	--	--	--	--	--	--	--	--
Dust Control	0.0	--	--	--	--	--	--	--	--
Utility Installation	--	0.0	--	--	--	--	--	--	--
Building Construction	--	--	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Paving	--	--	0.0	0.0	0.0	--	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--	--
2027									
Building Construction	--	--	--	--	--	0.0	0.0	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.0	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - Total - Mitigated - Maximum Daily PM2.5 Exhaust Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	0.5	0.4	--	--	--	--	--	--	--
Grading	0.6	--	--	--	--	--	--	--	--
Dust Control	0.4	--	--	--	--	--	--	--	--
Utility Installation	--	0.2	--	--	--	--	--	--	--
Building Construction	--	--	0.0	0.3	0.2	0.1	0.2	0.1	0.1
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	0.0	0.3	0.2	0.1	0.2	0.1	0.1
Paving	--	--	0.1	0.3	0.2	--	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--	--
2027									
Building Construction	--	--	--	--	--	0.1	0.2	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.2	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

Maximum Buildout Scenario - Summer - On-Site - Unmitigated - Maximum Daily PM2.5 Dust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	0.1	2.6	2.6	2.6	2.6	2.6
Grading	--	--	--	--	--	--	--	--
Dust Control	0.0	--	--	--	--	--	--	--
Utility Installation	--	0.1	--	--	--	--	--	--
Building Construction	--	--	0.0	0.0	0.0	0.0	0.0	0.0
Paving	--	0.0	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	0.0	0.0	0.0	0.0	0.0
Paving	--	--	--	--	--	--	--	0.0
Architectural Coating	--	--	--	--	--	--	--	0.0
2027								
Building Construction	--	--	--	--	--	0.0	0.0	--
Paving	--	--	--	--	--	0.0	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--
2028								
Building Construction	--	--	--	--	--	--	0.0	--
Paving	--	--	--	--	--	--	0.0	--
Architectural Coating	--	--	--	--	--		0.0	--

Maximum Buildout Scenario - Summer - Off-Site - Unmitigated - Maximum Daily PM2.5 Dust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	4.3	0.9	0.9	0.8	0.8	0.6
Grading	--	--	--	--	--	--	--	--
Dust Control	0.1	--	--	--	--	--	--	--
Utility Installation	--	0.1	--	--	--	--	--	--
Building Construction	--	--	0.0	1.4	1.6	3.0	4.0	1.0
Paving	--	0.2	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	1.4	1.6	3.0	4.0	1.0
Paving	--	--	--	--	--	--	--	0.1
Architectural Coating	--	--	--	--	--	--	--	0.2
2027								
Building Construction	--	--	--	--	--	3.0	4.0	--
Paving	--	--	--	--	--	0.1	--	--
Architectural Coating	--	--	--	--	--	0.5	--	--
2028								
Building Construction	--	--	--	--	--	--	4.0	--
Paving	--	--	--	--	--	--	0.1	--
Architectural Coating	--	--	--	--	--		0.7	--

Maximum Buildout Scenario - Summer - Total - Unmitigated - Maximum Daily PM2.5 Dust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	4.4	3.5	3.5	3.4	3.5	3.2
Grading	--	--	--	--	--	--	--	--
Dust Control	0.1	--	--	--	--	--	--	--
Utility Installation	--	0.2	--	--	--	--	--	--
Building Construction	--	--	0.0	1.4	1.6	3.0	4.0	1.0
Paving	--	0.2	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	1.4	1.6	3.0	4.0	1.0
Paving	--	--	--	--	--	--	--	0.1
Architectural Coating	--	--	--	--	--	--	--	0.2
2027								
Building Construction	--	--	--	--	--	3.0	4.0	--
Paving	--	--	--	--	--	0.1	--	--
Architectural Coating	--	--	--	--	--	0.5	--	--
2028								
Building Construction	--	--	--	--	--	--	4.0	--
Paving	--	--	--	--	--	--	0.1	--
Architectural Coating	--	--	--	--	--		0.7	--

Maximum Buildout Scenario - Summer - On-Site - Mitigated - Maximum Daily PM2.5 Dust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	0.1	2.6	2.6	2.6	2.6	2.6
Grading	--	--	--	--	--	--	--	--
Dust Control	0.0	--	--	--	--	--	--	--
Utility Installation	--	0.1	--	--	--	--	--	--
Building Construction	--	--	0.0	0.0	0.0	0.0	0.0	0.0
Paving	--	0.0	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	0.0	0.0	0.0	0.0	0.0
Paving	--	--	--	--	--	--	--	0.0
Architectural Coating	--	--	--	--	--	--	--	0.0
2027								
Building Construction	--	--	--	--	--	0.0	0.0	--
Paving	--	--	--	--	--	0.0	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--
2028								
Building Construction	--	--	--	--	--	--	0.0	--
Paving	--	--	--	--	--	--	0.0	--
Architectural Coating	--	--	--	--	--	--	0.0	--

Maximum Buildout Scenario - Summer - Off-Site - Mitigated - Maximum Daily PM2.5 Dust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	4.3	0.9	0.9	0.8	0.8	0.6
Grading	--	--	--	--	--	--	--	--
Dust Control	0.1	--	--	--	--	--	--	--
Utility Installation	--	0.1	--	--	--	--	--	--
Building Construction	--	--	0.0	1.4	1.6	3.0	4.0	1.0
Paving	--	0.2	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	1.4	1.6	3.0	4.0	1.0
Paving	--	--	--	--	--	--	--	0.1
Architectural Coating	--	--	--	--	--	--	--	0.2
2027								
Building Construction	--	--	--	--	--	3.0	4.0	--
Paving	--	--	--	--	--	0.1	--	--
Architectural Coating	--	--	--	--	--	0.5	--	--
2028								
Building Construction	--	--	--	--	--	--	4.0	--
Paving	--	--	--	--	--	--	0.1	--
Architectural Coating	--	--	--	--	--	--	0.7	--

Maximum Buildout Scenario - Summer - Total - Mitigated - Maximum Daily PM2.5 Dust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	4.4	3.5	3.5	3.4	3.5	3.2
Grading	--	--	--	--	--	--	--	--
Dust Control	0.1	--	--	--	--	--	--	--
Utility Installation	--	0.2	--	--	--	--	--	--
Building Construction	--	--	0.0	1.4	1.6	3.0	4.0	1.0
Paving	--	0.2	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	1.4	1.6	3.0	4.0	1.0
Paving	--	--	--	--	--	--	--	0.1
Architectural Coating	--	--	--	--	--	--	--	0.2
2027								
Building Construction	--	--	--	--	--	3.0	4.0	--
Paving	--	--	--	--	--	0.1	--	--
Architectural Coating	--	--	--	--	--	0.5	--	--
2028								
Building Construction	--	--	--	--	--	--	4.0	--
Paving	--	--	--	--	--	--	0.1	--
Architectural Coating	--	--	--	--	--	--	0.7	--

Maximum Buildout Scenario - Winter - On-Site - Unmitigated - Maximum Daily PM2.5 Dust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	2.6	0.1	--	--	--	--	--	--
Grading	1.0	--	--	--	--	--	--	--
Dust Control	0.0	--	--	--	--	--	--	--
Utility Installation	--	0.1	--	--	--	--	--	--
Building Construction	--	--	0.0	0.0	0.0	0.0	0.0	0.0
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.0	0.0	0.0	0.0	0.0	0.0
Paving	--	--	0.0	0.0	0.0	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--
2027								
Building Construction	--	--	--	--	--	0.0	0.0	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--
2028								
Building Construction	--	--	--	--	--	--	0.0	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--		--	--

Maximum Buildout Scenario - Winter - Off-Site - Unmitigated - Maximum Daily PM2.5 Dust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	5.3	6.2	--	--	--	--	--	--
Grading	0.2	--	--	--	--	--	--	--
Dust Control	0.1	--	--	--	--	--	--	--
Utility Installation	--	0.1	--	--	--	--	--	--
Building Construction	--	--	0.0	1.4	1.6	3.0	4.0	1.0
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.0	1.4	1.6	3.0	4.0	1.0
Paving	--	--	0.1	0.1	0.1	--	--	--
Architectural Coating	--	--	0.0	0.2	0.2	--	--	--
2027								
Building Construction	--	--	--	--	--	3.0	4.0	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.2	0.2		--	--
2028								
Building Construction	--	--	--	--	--	--	4.0	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--		--	--

Maximum Buildout Scenario - Winter - Total - Unmitigated - Maximum Daily PM2.5 Dust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	7.9	6.3	--	--	--	--	--	--
Grading	1.2	--	--	--	--	--	--	--
Dust Control	0.1	--	--	--	--	--	--	--
Utility Installation	--	0.2	--	--	--	--	--	--
Building Construction	--	--	0.0	1.4	1.6	3.0	4.0	1.0
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.0	1.4	1.6	3.0	4.0	1.0
Paving	--	--	0.1	0.1	0.1	--	--	--
Architectural Coating	--	--	0.0	0.2	0.2	--	--	--
2027								
Building Construction	--	--	--	--	--	3.0	4.0	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.2	0.2	--	--	--
2028								
Building Construction	--	--	--	--	--	--	4.0	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--		--	--

Maximum Buildout Scenario - Winter - On-Site - Mitigated - Maximum Daily PM2.5 Dust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	2.6	0.1	--	--	--	--	--	--
Grading	1.0	--	--	--	--	--	--	--
Dust Control	0.0	--	--	--	--	--	--	--
Utility Installation	--	0.1	--	--	--	--	--	--
Building Construction	--	--	0.0	0.0	0.0	0.0	0.0	0.0
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.0	0.0	0.0	0.0	0.0	0.0
Paving	--	--	0.0	0.0	0.0	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--
2027								
Building Construction	--	--	--	--	--	0.0	0.0	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--
2028								
Building Construction	--	--	--	--	--	--	0.0	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--

Maximum Buildout Scenario - Winter - Off-Site - Mitigated - Maximum Daily PM2.5 Dust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	5.3	6.2	--	--	--	--	--	--
Grading	0.2	--	--	--	--	--	--	--
Dust Control	0.1	--	--	--	--	--	--	--
Utility Installation	--	0.1	--	--	--	--	--	--
Building Construction	--	--	0.0	1.4	1.6	3.0	4.0	1.0
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.0	1.4	1.6	3.0	4.0	1.0
Paving	--	--	0.1	0.1	0.1	--	--	--
Architectural Coating	--	--	0.0	0.2	0.2	--	--	--
2027								
Building Construction	--	--	--	--	--	3.0	4.0	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.2	0.2	--	--	--
2028								
Building Construction	--	--	--	--	--	--	4.0	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--

Maximum Buildout Scenario - Winter - Total - Mitigated - Maximum Daily PM2.5 Dust Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	7.9	6.3	--	--	--	--	--	--
Grading	1.2	--	--	--	--	--	--	--
Dust Control	0.1	--	--	--	--	--	--	--
Utility Installation	--	0.2	--	--	--	--	--	--
Building Construction	--	--	0.0	1.4	1.6	3.0	4.0	1.0
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.0	1.4	1.6	3.0	4.0	1.0
Paving	--	--	0.1	0.1	0.1	--	--	--
Architectural Coating	--	--	0.0	0.2	0.2	--	--	--
2027								
Building Construction	--	--	--	--	--	3.0	4.0	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.2	0.2		--	--
2028								
Building Construction	--	--	--	--	--	--	4.0	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--

S2 - Summer - On-Site - Unmitigated - Maximum Daily PM2.5 Dust Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	0.1	2.6	2.6	2.6	2.6	2.6	2.6
Grading	--	--	--	--	--	--	--	--	--
Dust Control	0.0	--	--	--	--	--	--	--	--
Utility Installation	--	0.1	--	--	--	--	--	--	--
Building Construction	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Paving	--	0.0	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0
Paving	--	--	--	--	--	--	--	0.0	0.0
Architectural Coating	--	--	--	--	--	--	--	0.0	0.0
2027									
Building Construction	--	--	--	--	--	0.0	0.0	--	--
Paving	--	--	--	--	--	0.0	--	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.0	--	--
Paving	--	--	--	--	--	--	0.0	--	--
Architectural Coating	--	--	--	--	--	--	0.0	--	--

S2 - Summer - Off-Site - Unmitigated - Maximum Daily PM2.5 Dust Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	4.3	0.9	0.9	0.8	0.8	0.6	0.6
Grading	--	--	--	--	--	--	--	--	--
Dust Control	0.1	--	--	--	--	--	--	--	--
Utility Installation	--	0.1	--	--	--	--	--	--	--
Building Construction	--	--	0.0	1.4	1.6	1.1	2.0	0.0	0.4
Paving	--	0.2	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	1.4	1.6	1.1	2.0	0.0	0.4
Paving	--	--	--	--	--	--	--	0.1	0.1
Architectural Coating	--	--	--	--	--	--	--	0.0	0.1
2027									
Building Construction	--	--	--	--	--	1.1	2.0	--	--
Paving	--	--	--	--	--	0.1	--	--	--
Architectural Coating	--	--	--	--	--	0.2	--	--	--
2028									
Building Construction	--	--	--	--	--	--	2.0	--	--
Paving	--	--	--	--	--	--	0.1	--	--
Architectural Coating	--	--	--	--	--	--	0.4	--	--

S2 - Summer - Total - Unmitigated - Maximum Daily PM2.5 Dust Emissions (lbs/day)										
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	
2025										
Site Preparation	--	--	4.4	3.5	3.5	3.4	3.5	3.2	3.2	#
Grading	--	--	--	--	--	--	--	--	--	
Dust Control	0.1	--	--	--	--	--	--	--	--	
Utility Installation	--	0.2	--	--	--	--	--	--	--	
Building Construction	--	--	0.0	1.4	1.6	1.1	2.0	0.0	0.4	
Paving	--	0.2	--	--	--	--	--	--	0.0	
Architectural Coating	--	--	--	--	--	--	--	--	0.0	
2026										
Building Construction	--	--	--	1.4	1.6	1.1	2.0	0.0	0.4	
Paving	--	--	--	--	--	--	--	0.1	0.1	
Architectural Coating	--	--	--	--	--	--	--	0.0	0.1	
2027										
Building Construction	--	--	--	--	--	1.1	2.0	--	--	
Paving	--	--	--	--	--	0.1	--	--	--	
Architectural Coating	--	--	--	--	--	0.2	--	--	--	
2028										
Building Construction	--	--	--	--	--	--	2.0	--	--	
Paving	--	--	--	--	--	--	0.1	--	--	
Architectural Coating	--	--	--	--	--	--	0.4	--	--	

S2 - Summer - On-Site - Mitigated - Maximum Daily PM2.5 Dust Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	0.1	2.6	2.6	2.6	2.6	2.6	2.6
Grading	--	--	--	--	--	--	--	--	--
Dust Control	0.0	--	--	--	--	--	--	--	--
Utility Installation	--	0.1	--	--	--	--	--	--	--
Building Construction	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Paving	--	0.0	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0
Paving	--	--	--	--	--	--	--	0.0	0.0
Architectural Coating	--	--	--	--	--	--	--	0.0	0.0
2027									
Building Construction	--	--	--	--	--	0.0	0.0	--	--
Paving	--	--	--	--	--	0.0	--	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.0	--	--
Paving	--	--	--	--	--	--	0.0	--	--
Architectural Coating	--	--	--	--	--	--	0.0	--	--

S2 - Summer - Off-Site - Mitigated - Maximum Daily PM2.5 Dust Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	4.3	0.9	0.9	0.8	0.8	0.6	0.6
Grading	--	--	--	--	--	--	--	--	--
Dust Control	0.1	--	--	--	--	--	--	--	--
Utility Installation	--	0.1	--	--	--	--	--	--	--
Building Construction	--	--	0.0	1.4	1.6	1.1	2.0	0.0	0.4
Paving	--	0.2	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	1.4	1.6	1.1	2.0	0.0	0.4
Paving	--	--	--	--	--	--	--	0.1	0.1
Architectural Coating	--	--	--	--	--	--	--	0.0	0.1
2027									
Building Construction	--	--	--	--	--	1.1	2.0	--	--
Paving	--	--	--	--	--	0.1	--	--	--
Architectural Coating	--	--	--	--	--	0.2	--	--	--
2028									
Building Construction	--	--	--	--	--	--	2.0	--	--
Paving	--	--	--	--	--	--	0.1	--	--
Architectural Coating	--	--	--	--	--	--	0.4	--	--

S2 - Summer - Total - Mitigated - Maximum Daily PM2.5 Dust Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	4.4	3.5	3.5	3.4	3.5	3.2	3.2
Grading	--	--	--	--	--	--	--	--	--
Dust Control	0.1	--	--	--	--	--	--	--	--
Utility Installation	--	0.2	--	--	--	--	--	--	--
Building Construction	--	--	0.0	1.4	1.6	1.1	2.0	0.0	0.4
Paving	--	0.2	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	1.4	1.6	1.1	2.0	0.0	0.4
Paving	--	--	--	--	--	--	--	0.1	0.1
Architectural Coating	--	--	--	--	--	--	--	0.0	0.1
2027									
Building Construction	--	--	--	--	--	1.1	2.0	--	--
Paving	--	--	--	--	--	0.1	--	--	--
Architectural Coating	--	--	--	--	--	0.2	--	--	--
2028									
Building Construction	--	--	--	--	--	--	2.0	--	--
Paving	--	--	--	--	--	--	0.1	--	--
Architectural Coating	--	--	--	--	--	--	0.4	--	--

S2 - Winter - On-Site - Unmitigated - Maximum Daily PM2.5 Dust Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	2.6	0.1	--	--	--	--	--	--	--
Grading	1.0	--	--	--	--	--	--	--	--
Dust Control	0.0	--	--	--	--	--	--	--	--
Utility Installation	--	0.1	--	--	--	--	--	--	--
Building Construction	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Paving	--	--	0.0	0.0	0.0	--	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--	--
2027									
Building Construction	--	--	--	--	--	0.0	0.0	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.0	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - Off-Site - Unmitigated - Maximum Daily PM2.5 Dust Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	5.3	6.2	--	--	--	--	--	--	--
Grading	0.2	--	--	--	--	--	--	--	--
Dust Control	0.1	--	--	--	--	--	--	--	--
Utility Installation	--	0.1	--	--	--	--	--	--	--
Building Construction	--	--	0.0	1.4	1.6	1.1	2.0	0.0	0.4
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	0.0	1.4	1.6	1.1	2.0	0.0	0.4
Paving	--	--	0.1	0.1	0.1	--	--	--	--
Architectural Coating	--	--	0.0	0.2	0.2	--	--	--	--
2027									
Building Construction	--	--	--	--	--	1.1	2.0	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.2	0.2	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	2.0	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - Total - Unmitigated - Maximum Daily PM2.5 Dust Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	7.9	6.3	--	--	--	--	--	--	--
Grading	1.2	--	--	--	--	--	--	--	--
Dust Control	0.1	--	--	--	--	--	--	--	--
Utility Installation	--	0.2	--	--	--	--	--	--	--
Building Construction	--	--	0.0	1.4	1.6	1.1	2.0	0.0	0.4
Paving	--	--	--	--	--	--	--	--	0.0
Architectural Coating	--	--	--	--	--	--	--	--	0.0
2026									
Building Construction	--	--	0.0	1.4	1.6	1.1	2.0	0.0	0.4
Paving	--	--	0.1	0.1	0.1	--	--	--	--
Architectural Coating	--	--	0.0	0.2	0.2	--	--	--	--
2027									
Building Construction	--	--	--	--	--	1.1	2.0	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.2	0.2	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	2.0	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - On-Site - Mitigated - Maximum Daily PM2.5 Dust Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	2.6	0.1	--	--	--	--	--	--	--
Grading	1.0	--	--	--	--	--	--	--	
Dust Control	0.0	--	--	--	--	--	--	--	
Utility Installation	--	0.1	--	--	--	--	--	--	
Building Construction	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Paving	--	--	0.0	0.0	0.0	--	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--	--
2027									
Building Construction	--	--	--	--	--	0.0	0.0	--	
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.0	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - Off-Site - Mitigated - Maximum Daily PM2.5 Dust Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	5.3	6.2	--	--	--	--	--	--	--
Grading	0.2	--	--	--	--	--	--	--	--
Dust Control	0.1	--	--	--	--	--	--	--	--
Utility Installation	--	0.1	--	--	--	--	--	--	--
Building Construction	--	--	0.0	1.4	1.6	1.1	2.0	0.0	0.4
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	0.0	1.4	1.6	1.1	2.0	0.0	0.4
Paving	--	--	0.1	0.1	0.1	--	--	--	--
Architectural Coating	--	--	0.0	0.2	0.2	--	--	--	--
2027									
Building Construction	--	--	--	--	--	1.1	2.0	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.2	0.2	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	2.0	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - Total - Mitigated - Maximum Daily PM2.5 Dust Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	7.9	6.3	--	--	--	--	--	--	--
Grading	1.2	--	--	--	--	--	--	--	--
Dust Control	0.1	--	--	--	--	--	--	--	--
Utility Installation	--	0.2	--	--	--	--	--	--	--
Building Construction	--	--	0.0	1.4	1.6	1.1	2.0	0.0	0.4
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	0.0	1.4	1.6	1.1	2.0	0.0	0.4
Paving	--	--	0.1	0.1	0.1	--	--	--	--
Architectural Coating	--	--	0.0	0.2	0.2	--	--	--	--
2027									
Building Construction	--	--	--	--	--	1.1	2.0	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.2	0.2	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	2.0	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

Maximum Buildout Scenario - Summer - On-Site - Unmitigated - Maximum Daily PM2.5 Total Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	0.5	4.3	4.3	4.1	4.2	4.0
Grading	--	--	--	--	--	--	--	--
Dust Control	1.5	--	--	--	--	--	--	--
Utility Installation	--	1.0	--	--	--	--	--	--
Building Construction	--	--	0.4	0.8	0.8	0.7	0.7	0.5
Paving	--	0.4	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	0.7	0.7	0.6	0.6	0.4
Paving	--	--	--	--	--	--	--	0.4
Architectural Coating	--	--	--	--	--	--	--	0.0
2027								
Building Construction	--	--	--	--	--	0.5	0.6	--
Paving	--	--	--	--	--	0.5	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--
2028								
Building Construction	--	--	--	--	--	--	0.5	--
Paving	--	--	--	--	--	--	0.5	--
Architectural Coating	--	--	--	--	--		0.0	--

Maximum Buildout Scenario - Summer - Off-Site - Unmitigated - Maximum Daily PM2.5 Total Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	4.4	0.9	0.9	0.8	0.8	0.6
Grading	--	--	--	--	--	--	--	--
Dust Control	0.1	--	--	--	--	--	--	--
Utility Installation	--	0.1	--	--	--	--	--	--
Building Construction	--	--	0.0	1.5	1.7	3.1	4.1	1.0
Paving	--	0.3	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	1.5	1.7	3.1	4.1	1.0
Paving	--	--	--	--	--	--	--	0.1
Architectural Coating	--	--	--	--	--	--	--	0.2
2027								
Building Construction	--	--	--	--	--	3.1	4.1	--
Paving	--	--	--	--	--	0.1	--	--
Architectural Coating	--	--	--	--	--	0.5	--	--
2028								
Building Construction	--	--	--	--	--	--	4.1	--
Paving	--	--	--	--	--	--	0.1	--
Architectural Coating	--	--	--	--	--		0.7	--

Maximum Buildout Scenario - Summer - Total - Unmitigated - Maximum Daily PM2.5 Total Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	4.9	5.2	5.2	4.9	5.0	4.6
Grading	--	--	--	--	--	--	--	--
Dust Control	1.7	--	--	--	--	--	--	--
Utility Installation	--	1.1	--	--	--	--	--	--
Building Construction	--	--	0.4	2.3	2.4	3.7	4.8	1.5
Paving	--	0.7	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	2.2	2.4	3.6	4.7	1.4
Paving	--	--	--	--	--	--	--	0.4
Architectural Coating	--	--	--	--	--	--	--	0.2
2027								
Building Construction	--	--	--	--	--	3.6	4.7	--
Paving	--	--	--	--	--	0.6	--	--
Architectural Coating	--	--	--	--	--	0.6	--	--
2028								
Building Construction	--	--	--	--	--	--	4.6	--
Paving	--	--	--	--	--	--	0.6	--
Architectural Coating	--	--	--	--	--		0.7	--

Maximum Buildout Scenario - Summer - On-Site - Mitigated - Maximum Daily PM2.5 Total Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	0.1	2.8	2.8	2.8	2.8	2.8
Grading	--	--	--	--	--	--	--	--
Dust Control	0.4	--	--	--	--	--	--	--
Utility Installation	--	0.2	--	--	--	--	--	--
Building Construction	--	--	0.0	0.2	0.2	0.1	0.1	0.1
Paving	--	0.2	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	0.2	0.2	0.1	0.1	0.1
Paving	--	--	--	--	--	--	--	0.1
Architectural Coating	--	--	--	--	--	--	--	0.0
2027								
Building Construction	--	--	--	--	--	0.1	0.1	--
Paving	--	--	--	--	--	0.2	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--
2028								
Building Construction	--	--	--	--	--	--	0.1	--
Paving	--	--	--	--	--	--	0.2	--
Architectural Coating	--	--	--	--	--	--	0.0	--

Maximum Buildout Scenario - Summer - Off-Site - Mitigated - Maximum Daily PM2.5 Total Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	4.4	0.9	0.9	0.8	0.8	0.6
Grading	--	--	--	--	--	--	--	--
Dust Control	0.1	--	--	--	--	--	--	--
Utility Installation	--	0.1	--	--	--	--	--	--
Building Construction	--	--	0.0	1.5	1.7	3.1	4.1	1.0
Paving	--	0.3	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	1.5	1.7	3.1	4.1	1.0
Paving	--	--	--	--	--	--	--	0.1
Architectural Coating	--	--	--	--	--	--	--	0.2
2027								
Building Construction	--	--	--	--	--	3.1	4.1	--
Paving	--	--	--	--	--	0.1	--	--
Architectural Coating	--	--	--	--	--	0.5	--	--
2028								
Building Construction	--	--	--	--	--	--	4.1	--
Paving	--	--	--	--	--	--	0.1	--
Architectural Coating	--	--	--	--	--	--	0.7	--

Maximum Buildout Scenario - Summer - Total - Mitigated - Maximum Daily PM2.5 Total Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	--	--	4.5	3.8	3.8	3.6	3.7	3.4
Grading	--	--	--	--	--	--	--	--
Dust Control	0.6	--	--	--	--	--	--	--
Utility Installation	--	0.3	--	--	--	--	--	--
Building Construction	--	--	0.1	1.7	1.8	3.2	4.2	1.1
Paving	--	0.4	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	--	1.7	1.8	3.2	4.2	1.1
Paving	--	--	--	--	--	--	--	0.2
Architectural Coating	--	--	--	--	--	--	--	0.2
2027								
Building Construction	--	--	--	--	--	3.2	4.2	--
Paving	--	--	--	--	--	0.2	--	--
Architectural Coating	--	--	--	--	--	0.5	--	--
2028								
Building Construction	--	--	--	--	--	--	4.2	--
Paving	--	--	--	--	--	--	0.3	--
Architectural Coating	--	--	--	--	--	--	0.7	--

Maximum Buildout Scenario - Winter - On-Site - Unmitigated - Maximum Daily PM2.5 Total Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	5.4	1.4	--	--	--	--	--	--
Grading	3.7	--	--	--	--	--	--	--
Dust Control	1.5	--	--	--	--	--	--	--
Utility Installation	--	1.0	--	--	--	--	--	--
Building Construction	--	--	0.4	0.8	0.8	0.7	0.7	0.5
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.4	0.7	0.7	0.6	0.6	0.4
Paving	--	--	0.3	0.7	0.7	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--
2027								
Building Construction	--	--	--	--	--	0.5	0.6	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--
2028								
Building Construction	--	--	--	--	--	--	0.5	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--		--	--

Maximum Buildout Scenario - Winter - Off-Site - Unmitigated - Maximum Daily PM2.5 Total Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	5.3	6.4	--	--	--	--	--	--
Grading	0.2	--	--	--	--	--	--	--
Dust Control	0.1	--	--	--	--	--	--	--
Utility Installation	--	0.1	--	--	--	--	--	--
Building Construction	--	--	0.0	1.5	1.7	3.1	4.1	1.0
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.0	1.5	1.7	3.1	4.1	1.0
Paving	--	--	0.1	0.1	0.1	--	--	--
Architectural Coating	--	--	0.0	0.2	0.2	--	--	--
2027								
Building Construction	--	--	--	--	--	3.1	4.1	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.2	0.2		--	--
2028								
Building Construction	--	--	--	--	--	--	4.1	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--		--	--

Maximum Buildout Scenario - Winter - Total - Unmitigated - Maximum Daily PM2.5 Total Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	10.7	7.8	--	--	--	--	--	--
Grading	3.9	--	--	--	--	--	--	--
Dust Control	1.7	--	--	--	--	--	--	--
Utility Installation	--	1.1	--	--	--	--	--	--
Building Construction	--	--	0.4	2.3	2.4	3.7	4.8	1.5
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.4	2.2	2.4	3.6	4.7	1.4
Paving	--	--	0.3	0.7	0.7	--	--	--
Architectural Coating	--	--	0.0	0.2	0.3	--	--	--
2027								
Building Construction	--	--	--	--	--	3.6	4.7	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.2	0.3	--	--	--
2028								
Building Construction	--	--	--	--	--	--	4.6	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--		--	--

Maximum Buildout Scenario - Winter - On-Site - Mitigated - Maximum Daily PM2.5 Total Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	3.2	0.3	--	--	--	--	--	--
Grading	1.5	--	--	--	--	--	--	--
Dust Control	0.4	--	--	--	--	--	--	--
Utility Installation	--	0.2	--	--	--	--	--	--
Building Construction	--	--	0.0	0.2	0.2	0.1	0.1	0.1
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.0	0.2	0.2	0.1	0.1	0.1
Paving	--	--	0.1	0.3	0.2	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--
2027								
Building Construction	--	--	--	--	--	0.1	0.1	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--
2028								
Building Construction	--	--	--	--	--	--	0.1	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--

Maximum Buildout Scenario - Winter - Off-Site - Mitigated - Maximum Daily PM2.5 Total Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	5.3	6.4	--	--	--	--	--	--
Grading	0.2	--	--	--	--	--	--	--
Dust Control	0.1	--	--	--	--	--	--	--
Utility Installation	--	0.1	--	--	--	--	--	--
Building Construction	--	--	0.0	1.5	1.7	3.1	4.1	1.0
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.0	1.5	1.7	3.1	4.1	1.0
Paving	--	--	0.1	0.1	0.1	--	--	--
Architectural Coating	--	--	0.0	0.2	0.2	--	--	--
2027								
Building Construction	--	--	--	--	--	3.1	4.1	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.2	0.2	--	--	--
2028								
Building Construction	--	--	--	--	--	--	4.1	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--

Maximum Buildout Scenario - Winter - Total - Mitigated - Maximum Daily PM2.5 Total Emissions (lbs/day)								
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	06: MBS PA1 Northwest Residential	07: MBS PA1 Northeast and PA2 Mixed-Use	08: MBS PA3 Residential
2025								
Site Preparation	8.4	6.7	--	--	--	--	--	--
Grading	1.8	--	--	--	--	--	--	--
Dust Control	0.6	--	--	--	--	--	--	--
Utility Installation	--	0.3	--	--	--	--	--	--
Building Construction	--	--	0.1	1.7	1.8	3.2	4.2	1.1
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--
2026								
Building Construction	--	--	0.1	1.7	1.8	3.2	4.2	1.1
Paving	--	--	0.2	0.3	0.3	--	--	--
Architectural Coating	--	--	0.0	0.2	0.2	--	--	--
2027								
Building Construction	--	--	--	--	--	3.2	4.2	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.2	0.2		--	--
2028								
Building Construction	--	--	--	--	--	--	4.2	--
Paving	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--

S2 - Summer - On-Site - Unmitigated - Maximum Daily PM2.5 Total Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	0.5	4.3	4.3	4.1	4.2	3.9	4.0
Grading	--	--	--	--	--	--	--	--	--
Dust Control	1.5	--	--	--	--	--	--	--	--
Utility Installation	--	1.0	--	--	--	--	--	--	--
Building Construction	--	--	0.4	0.8	0.8	0.7	0.7	0.4	0.5
Paving	--	0.4	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	0.7	0.7	0.6	0.6	0.4	0.4
Paving	--	--	--	--	--	--	--	0.3	0.4
Architectural Coating	--	--	--	--	--	--	--	0.0	0.0
2027									
Building Construction	--	--	--	--	--	0.5	0.6	--	--
Paving	--	--	--	--	--	0.5	--	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.5	--	--
Paving	--	--	--	--	--	--	0.5	--	--
Architectural Coating	--	--	--	--	--	--	0.0	--	--

S2 - Summer - Off-Site - Unmitigated - Maximum Daily PM2.5 Total Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	4.4	0.9	0.9	0.8	0.8	0.6	0.6
Grading	--	--	--	--	--	--	--	--	--
Dust Control	0.1	--	--	--	--	--	--	--	--
Utility Installation	--	0.1	--	--	--	--	--	--	--
Building Construction	--	--	0.0	1.5	1.7	1.1	2.0	0.0	0.4
Paving	--	0.3	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	1.5	1.7	1.1	2.0	0.0	0.4
Paving	--	--	--	--	--	--	--	0.1	0.1
Architectural Coating	--	--	--	--	--	--	--	0.0	0.1
2027									
Building Construction	--	--	--	--	--	1.1	2.0	--	--
Paving	--	--	--	--	--	0.1	--	--	--
Architectural Coating	--	--	--	--	--	0.2	--	--	--
2028									
Building Construction	--	--	--	--	--	--	2.0	--	--
Paving	--	--	--	--	--	--	0.1	--	--
Architectural Coating	--	--	--	--	--	--	0.4	--	--

S2 - Summer - Total - Unmitigated - Maximum Daily PM2.5 Total Emissions (lbs/day)										
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial	
2025										
Site Preparation	--	--	4.9	5.2	5.2	4.9	5.0	4.5	4.6	#
Grading	--	--	--	--	--	--	--	--	--	
Dust Control	1.7	--	--	--	--	--	--	--	--	
Utility Installation	--	1.1	--	--	--	--	--	--	--	
Building Construction	--	--	0.4	2.3	2.4	1.8	2.7	0.5	0.9	
Paving	--	0.7	--	--	--	--	--	--	0.0	
Architectural Coating	--	--	--	--	--	--	--	--	0.0	
2026										
Building Construction	--	--	--	2.2	2.4	1.7	2.6	0.4	0.8	
Paving	--	--	--	--	--	--	--	0.3	0.4	
Architectural Coating	--	--	--	--	--	--	--	0.0	0.1	
2027										
Building Construction	--	--	--	--	--	1.7	2.5	--	--	
Paving	--	--	--	--	--	0.6	--	--	--	
Architectural Coating	--	--	--	--	--	0.2	--	--	--	
2028										
Building Construction	--	--	--	--	--	--	2.5	--	--	
Paving	--	--	--	--	--	--	0.5	--	--	
Architectural Coating	--	--	--	--	--	--	0.4	--	--	

S2 - Summer - On-Site - Mitigated - Maximum Daily PM2.5 Total Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	0.1	2.8	2.8	2.8	2.8	2.7	2.8
Grading	--	--	--	--	--	--	--	--	--
Dust Control	0.4	--	--	--	--	--	--	--	--
Utility Installation	--	0.2	--	--	--	--	--	--	--
Building Construction	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.1
Paving	--	0.2	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	0.2	0.2	0.1	0.1	0.1	0.1
Paving	--	--	--	--	--	--	--	0.1	0.1
Architectural Coating	--	--	--	--	--	--	--	0.0	0.0
2027									
Building Construction	--	--	--	--	--	0.1	0.1	--	--
Paving	--	--	--	--	--	0.2	--	--	--
Architectural Coating	--	--	--	--	--	0.0	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.1	--	--
Paving	--	--	--	--	--	--	0.2	--	--
Architectural Coating	--	--	--	--	--	--	0.0	--	--

S2 - Summer - Off-Site - Mitigated - Maximum Daily PM2.5 Total Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	4.4	0.9	0.9	0.8	0.8	0.6	0.6
Grading	--	--	--	--	--	--	--	--	--
Dust Control	0.1	--	--	--	--	--	--	--	--
Utility Installation	--	0.1	--	--	--	--	--	--	--
Building Construction	--	--	0.0	1.5	1.7	1.1	2.0	0.0	0.4
Paving	--	0.3	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	1.5	1.7	1.1	2.0	0.0	0.4
Paving	--	--	--	--	--	--	--	0.1	0.1
Architectural Coating	--	--	--	--	--	--	--	0.0	0.1
2027									
Building Construction	--	--	--	--	--	1.1	2.0	--	--
Paving	--	--	--	--	--	0.1	--	--	--
Architectural Coating	--	--	--	--	--	0.2	--	--	--
2028									
Building Construction	--	--	--	--	--	--	2.0	--	--
Paving	--	--	--	--	--	--	0.1	--	--
Architectural Coating	--	--	--	--	--	--	0.4	--	--

S2 - Summer - Total - Mitigated - Maximum Daily PM2.5 Total Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	--	--	4.5	3.8	3.8	3.6	3.6	3.3	3.4
Grading	--	--	--	--	--	--	--	--	--
Dust Control	0.6	--	--	--	--	--	--	--	--
Utility Installation	--	0.3	--	--	--	--	--	--	--
Building Construction	--	--	0.1	1.7	1.8	1.2	2.1	0.1	0.5
Paving	--	0.4	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	--	1.7	1.8	1.2	2.1	0.1	0.5
Paving	--	--	--	--	--	--	--	0.2	0.2
Architectural Coating	--	--	--	--	--	--	--	0.0	0.1
2027									
Building Construction	--	--	--	--	--	1.2	2.1	--	--
Paving	--	--	--	--	--	0.2	--	--	--
Architectural Coating	--	--	--	--	--	0.2	--	--	--
2028									
Building Construction	--	--	--	--	--	--	2.1	--	--
Paving	--	--	--	--	--	--	0.2	--	--
Architectural Coating	--	--	--	--	--	--	0.4	--	--

S2 - Winter - On-Site - Unmitigated - Maximum Daily PM2.5 Total Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	5.4	1.4	--	--	--	--	--	--	--
Grading	3.7	--	--	--	--	--	--	--	--
Dust Control	1.5	--	--	--	--	--	--	--	--
Utility Installation	--	1.0	--	--	--	--	--	--	--
Building Construction	--	--	0.4	0.8	0.8	0.7	0.7	0.4	0.5
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	0.4	0.7	0.7	0.6	0.6	0.4	0.4
Paving	--	--	0.3	0.7	0.7	--	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--	--
2027									
Building Construction	--	--	--	--	--	0.5	0.6	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.5	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - Off-Site - Unmitigated - Maximum Daily PM2.5 Total Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	5.3	6.4	--	--	--	--	--	--	--
Grading	0.2	--	--	--	--	--	--	--	--
Dust Control	0.1	--	--	--	--	--	--	--	--
Utility Installation	--	0.1	--	--	--	--	--	--	--
Building Construction	--	--	0.0	1.5	1.7	1.1	2.0	0.0	0.4
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	0.0	1.5	1.7	1.1	2.0	0.0	0.4
Paving	--	--	0.1	0.1	0.1	--	--	--	--
Architectural Coating	--	--	0.0	0.2	0.2	--	--	--	--
2027									
Building Construction	--	--	--	--	--	1.1	2.0	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.2	0.2	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	2.0	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - Total - Unmitigated - Maximum Daily PM2.5 Total Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	10.7	7.8	--	--	--	--	--	--	--
Grading	3.9	--	--	--	--	--	--	--	--
Dust Control	1.7	--	--	--	--	--	--	--	--
Utility Installation	--	1.1	--	--	--	--	--	--	--
Building Construction	--	--	0.4	2.3	2.4	1.8	2.7	0.5	0.9
Paving	--	--	--	--	--	--	--	--	0.0
Architectural Coating	--	--	--	--	--	--	--	--	0.0
2026									
Building Construction	--	--	0.4	2.2	2.4	1.7	2.6	0.4	0.8
Paving	--	--	0.3	0.7	0.7	--	--	--	--
Architectural Coating	--	--	0.0	0.2	0.3	--	--	--	--
2027									
Building Construction	--	--	--	--	--	1.7	2.5	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.2	0.3	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	2.5	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - On-Site - Mitigated - Maximum Daily PM2.5 Total Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	3.2	0.3	--	--	--	--	--	--	--
Grading	1.5	--	--	--	--	--	--	--	
Dust Control	0.4	--	--	--	--	--	--	--	
Utility Installation	--	0.2	--	--	--	--	--	--	
Building Construction	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.1
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	0.0	0.2	0.2	0.1	0.1	0.1	0.1
Paving	--	--	0.1	0.3	0.2	--	--	--	--
Architectural Coating	--	--	0.0	0.0	0.0	--	--	--	--
2027									
Building Construction	--	--	--	--	--	0.1	0.1	--	
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.0	0.0	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	0.1	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - Off-Site - Mitigated - Maximum Daily PM2.5 Total Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	5.3	6.4	--	--	--	--	--	--	--
Grading	0.2	--	--	--	--	--	--	--	--
Dust Control	0.1	--	--	--	--	--	--	--	--
Utility Installation	--	0.1	--	--	--	--	--	--	--
Building Construction	--	--	0.0	1.5	1.7	1.1	2.0	0.0	0.4
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	0.0	1.5	1.7	1.1	2.0	0.0	0.4
Paving	--	--	0.1	0.1	0.1	--	--	--	--
Architectural Coating	--	--	0.0	0.2	0.2	--	--	--	--
2027									
Building Construction	--	--	--	--	--	1.1	2.0	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.2	0.2	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	2.0	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

S2 - Winter - Total - Mitigated - Maximum Daily PM2.5 Total Emissions (lbs/day)									
Year and Modeled Construction Activity	01 Mass Grading	02: "A" Street	03: IID Substation	04: PA4 Southwest Industrial	05: PA4 Southeast Industrial	09: S2 PA1 Northwest Residential	10: S2 PA 1 Northeast Residential	11: S2 PA 2 Commercial	12: S2 PA 3 Commercial
2025									
Site Preparation	8.4	6.7	--	--	--	--	--	--	--
Grading	1.8	--	--	--	--	--	--	--	--
Dust Control	0.6	--	--	--	--	--	--	--	--
Utility Installation	--	0.3	--	--	--	--	--	--	--
Building Construction	--	--	0.1	1.7	1.8	1.2	2.1	0.1	0.5
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--
2026									
Building Construction	--	--	0.1	1.7	1.8	1.2	2.1	0.1	0.5
Paving	--	--	0.2	0.3	0.3	--	--	--	--
Architectural Coating	--	--	0.0	0.2	0.2	--	--	--	--
2027									
Building Construction	--	--	--	--	--	1.2	2.1	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	0.2	0.2	--	--	--	--
2028									
Building Construction	--	--	--	--	--	--	2.1	--	--
Paving	--	--	--	--	--	--	--	--	--
Architectural Coating	--	--	--	--	--	--	--	--	--

01 Area Mass Grading Custom Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	01 Area Mass Grading
Construction Start Date	1/2/2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	7.60
Location	33.741868, -116.242145
County	Riverside-Salton Sea
City	Indio
Air District	South Coast AQMD
Air Basin	Salton Sea
TAZ	5657
EDFZ	19
Electric Utility	Imperial Irrigation District
Gas Utility	Southern California Gas
App Version	2022.1.1.20

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
Apartments Low Rise	3,240	Dwelling Unit	17.9	3,110,400	0.00	0.00	10,465	—

Strip Mall	20.0	1000sqft	0.46	20,000	0.00	0.00	—	—
Unrefrigerated Warehouse-No Rail	860	1000sqft	19.7	859,610	0.00	0.00	—	Building 1
Unrefrigerated Warehouse-No Rail	947	1000sqft	21.7	946,680	0.00	0.00	—	Building 2
Parking Lot	104	Acre	104	0.00	0.00	0.00	—	—
Industrial Park	10.6	1000sqft	2.44	10,629	0.00	0.00	—	—
City Park	17.1	Acre	17.1	0.00	744,395	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

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

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.38	7.91	47.2	55.0	0.21	1.66	0.59	2.25	1.53	0.14	1.67	—	23,508	23,508	0.95	0.21	2.31	23,596
Mit.	2.42	2.40	11.5	117	0.21	0.43	0.59	1.02	0.43	0.14	0.57	—	23,508	23,508	0.95	0.21	2.31	23,596
% Reduced	74%	70%	76%	-112%	—	74%	—	55%	72%	—	66%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	13.4	11.3	78.9	87.2	0.28	3.03	57.0	60.0	2.79	7.91	10.7	—	31,574	31,574	1.27	0.35	0.11	31,711

Mit.	3.17	3.13	15.8	157	0.28	0.58	57.0	57.5	0.58	7.91	8.44	—	31,574	31,574	1.27	0.35	0.11	31,711
% Reduced	76%	72%	80%	-80%	—	81%	—	4%	79%	—	21%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.94	2.47	16.5	18.5	0.06	0.61	2.00	2.62	0.57	0.37	0.94	—	7,006	7,006	0.28	0.07	0.37	7,035
Mit.	0.71	0.70	3.46	34.8	0.06	0.13	2.00	2.13	0.13	0.37	0.50	—	7,006	7,006	0.28	0.07	0.37	7,035
% Reduced	76%	72%	79%	-88%	—	79%	—	19%	77%	—	47%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.54	0.45	3.01	3.38	0.01	0.11	0.37	0.48	0.10	0.07	0.17	—	1,160	1,160	0.05	0.01	0.06	1,165
Mit.	0.13	0.13	0.63	6.36	0.01	0.02	0.37	0.39	0.02	0.07	0.09	—	1,160	1,160	0.05	0.01	0.06	1,165
% Reduced	76%	72%	79%	-88%	—	79%	—	19%	77%	—	47%	—	—	—	—	—	—	—
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	100	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	100	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	9.38	7.91	47.2	55.0	0.21	1.66	0.59	2.25	1.53	0.14	1.67	—	23,508	23,508	0.95	0.21	2.31	23,596
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	13.4	11.3	78.9	87.2	0.28	3.03	57.0	60.0	2.79	7.91	10.7	—	31,574	31,574	1.27	0.35	0.11	31,711
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	2.94	2.47	16.5	18.5	0.06	0.61	2.00	2.62	0.57	0.37	0.94	—	7,006	7,006	0.28	0.07	0.37	7,035
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.54	0.45	3.01	3.38	0.01	0.11	0.37	0.48	0.10	0.07	0.17	—	1,160	1,160	0.05	0.01	0.06	1,165

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	2.42	2.40	11.5	117	0.21	0.43	0.59	1.02	0.43	0.14	0.57	—	23,508	23,508	0.95	0.21	2.31	23,596
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	3.17	3.13	15.8	157	0.28	0.58	57.0	57.5	0.58	7.91	8.44	—	31,574	31,574	1.27	0.35	0.11	31,711
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2025	0.71	0.70	3.46	34.8	0.06	0.13	2.00	2.13	0.13	0.37	0.50	—	7,006	7,006	0.28	0.07	0.37	7,035
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.13	0.13	0.63	6.36	0.01	0.02	0.37	0.39	0.02	0.07	0.09	—	1,160	1,160	0.05	0.01	0.06	1,165

3. Construction Emissions Details

3.1. Site Preparation (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	13.1	11.0	78.6	80.9	0.26	3.03	—	3.03	2.79	—	2.79	—	28,135	28,135	1.14	0.23	—	28,232
Dust From Material Movement	—	—	—	—	—	—	5.11	5.11	—	2.63	2.63	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	0.30	2.15	2.22	0.01	0.08	—	0.08	0.08	—	0.08	—	771	771	0.03	0.01	—	773
Dust From Material Movement	—	—	—	—	—	—	0.14	0.14	—	0.07	0.07	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.05	0.39	0.40	< 0.005	0.02	—	0.02	0.01	—	0.01	—	128	128	0.01	< 0.005	—	128
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28	0.25	0.35	3.38	0.00	0.00	51.8	51.8	0.00	5.28	5.28	—	790	790	0.04	0.03	0.08	800
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.12	0.00	0.00	1.39	1.39	0.00	0.14	0.14	—	23.1	23.1	< 0.005	< 0.005	0.04	23.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.25	0.25	0.00	0.03	0.03	—	3.83	3.83	< 0.005	< 0.005	0.01	3.88
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.2. Site Preparation (2025) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.66	2.66	13.8	141	0.26	0.53	—	0.53	0.53	—	0.53	—	28,135	28,135	1.14	0.23	—	28,232
Dust From Material Movement	—	—	—	—	—	—	5.11	5.11	—	2.63	2.63	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.38	3.85	0.01	0.01	—	0.01	0.01	—	0.01	—	771	771	0.03	0.01	—	773
Dust From Material Movement	—	—	—	—	—	—	0.14	0.14	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.70	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	128	128	0.01	< 0.005	—	128

Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28	0.25	0.35	3.38	0.00	0.00	51.8	51.8	0.00	5.28	5.28	—	790	790	0.04	0.03	0.08	800
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.12	0.00	0.00	1.39	1.39	0.00	0.14	0.14	—	23.1	23.1	< 0.005	< 0.005	0.04	23.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.25	0.25	0.00	0.03	0.03	—	3.83	3.83	< 0.005	< 0.005	0.01	3.88
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Site Watering (2025) - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	9.13	7.67	46.9	50.7	0.21	1.66	—	1.66	1.53	—	1.53	—	22,840	22,840	0.93	0.19	—	22,918
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	9.13	7.67	46.9	50.7	0.21	1.66	—	1.66	1.53	—	1.53	—	22,840	22,840	0.93	0.19	—	22,918
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.90	0.76	4.63	5.00	0.02	0.16	—	0.16	0.15	—	0.15	—	2,253	2,253	0.09	0.02	—	2,260
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.14	0.84	0.91	< 0.005	0.03	—	0.03	0.03	—	0.03	—	373	373	0.02	< 0.005	—	374

Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.24	0.24	4.29	0.00	0.00	0.59	0.59	0.00	0.14	0.14	—	668	668	0.03	0.02	2.31	678
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.18	0.25	2.44	0.00	0.00	0.59	0.59	0.00	0.14	0.14	—	569	569	0.03	0.02	0.06	576
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.30	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	60.0	60.0	< 0.005	< 0.005	0.10	60.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.93	9.93	< 0.005	< 0.005	0.02	10.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Site Watering (2025) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.16	2.16	11.2	112	0.21	0.43	—	0.43	0.43	—	0.43	—	22,840	22,840	0.93	0.19	—	22,918
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.16	2.16	11.2	112	0.21	0.43	—	0.43	0.43	—	0.43	—	22,840	22,840	0.93	0.19	—	22,918
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.21	1.11	11.1	0.02	0.04	—	0.04	0.04	—	0.04	—	2,253	2,253	0.09	0.02	—	2,260
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.20	2.02	< 0.005	0.01	—	0.01	0.01	—	0.01	—	373	373	0.02	< 0.005	—	374
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.24	0.24	4.29	0.00	0.00	0.59	0.59	0.00	0.14	0.14	—	668	668	0.03	0.02	2.31	678
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.18	0.25	2.44	0.00	0.00	0.59	0.59	0.00	0.14	0.14	—	569	569	0.03	0.02	0.06	576
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.30	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	60.0	60.0	< 0.005	< 0.005	0.10	60.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.93	9.93	< 0.005	< 0.005	0.02	10.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Grading (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	13.1	11.0	77.4	83.5	0.28	2.97	—	2.97	2.73	—	2.73	—	30,274	30,274	1.23	0.25	—	30,378
Dust From Material Movement	—	—	—	—	—	—	2.39	2.39	—	0.95	0.95	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.62	1.36	9.54	10.3	0.03	0.37	—	0.37	0.34	—	0.34	—	3,732	3,732	0.15	0.03	—	3,745
Dust From Material Movement	—	—	—	—	—	—	0.30	0.30	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.25	1.74	1.88	0.01	0.07	—	0.07	0.06	—	0.06	—	618	618	0.03	0.01	—	620

Dust From Material Movement	—	—	—	—	—	—	0.05	0.05	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.29	0.26	0.37	3.52	0.00	0.00	0.85	0.85	0.00	0.20	0.20	—	821	821	0.04	0.03	0.09	832
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.01	0.57	0.13	< 0.005	0.01	0.13	0.14	0.01	0.03	0.04	—	479	479	< 0.005	0.08	0.03	502
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.04	0.54	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	108	108	< 0.005	< 0.005	0.18	110
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	59.0	59.0	< 0.005	0.01	0.06	61.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17.9	17.9	< 0.005	< 0.005	0.03	18.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.76	9.76	< 0.005	< 0.005	0.01	10.2

3.6. Grading (2025) - Mitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.86	2.86	14.9	154	0.28	0.57	—	0.57	0.57	—	0.57	—	30,274	30,274	1.23	0.25	—	30,378
Dust From Material Movement	—	—	—	—	—	—	2.39	2.39	—	0.95	0.95	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.35	1.83	18.9	0.03	0.07	—	0.07	0.07	—	0.07	—	3,732	3,732	0.15	0.03	—	3,745
Dust From Material Movement	—	—	—	—	—	—	0.30	0.30	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	0.33	3.45	0.01	0.01	—	0.01	0.01	—	0.01	—	618	618	0.03	0.01	—	620
Dust From Material Movement	—	—	—	—	—	—	0.05	0.05	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.29	0.26	0.37	3.52	0.00	0.00	0.85	0.85	0.00	0.20	0.20	—	821	821	0.04	0.03	0.09	832
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.01	0.57	0.13	< 0.005	0.01	0.13	0.14	0.01	0.03	0.04	—	479	479	< 0.005	0.08	0.03	502
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.04	0.54	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	108	108	< 0.005	< 0.005	0.18	110
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	59.0	59.0	< 0.005	0.01	0.06	61.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17.9	17.9	< 0.005	< 0.005	0.03	18.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.76	9.76	< 0.005	< 0.005	0.01	10.2

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	1/2/2025	1/15/2025	5.00	10.0	—
Site Watering	Site Preparation	3/20/2025	5/8/2025	5.00	36.0	—
Grading	Grading	1/16/2025	3/19/2025	5.00	45.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Site Preparation	Off-Highway Trucks	Diesel	Average	18.0	7.62	376	0.38
Site Watering	Off-Highway Trucks	Diesel	Average	18.0	7.62	376	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	2.00	8.00	158	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Off-Highway Trucks	Diesel	Average	18.0	7.62	376	0.38

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Final	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	4.00	8.00	84.0	0.37
Site Preparation	Off-Highway Trucks	Diesel	Tier 4 Final	18.0	7.62	376	0.38
Site Watering	Off-Highway Trucks	Diesel	Tier 4 Final	18.0	7.62	376	0.38
Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Tier 4 Final	2.00	8.00	158	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Tier 4 Final	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40

Grading	Off-Highway Trucks	Diesel	Tier 4 Final	18.0	7.62	376	0.38

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	62.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	65.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	7.02	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Site Watering	—	—	—	—
Site Watering	Worker	45.0	18.5	LDA,LDT1,LDT2
Site Watering	Vendor	—	10.2	HHDT,MHDT
Site Watering	Hauling	0.00	20.0	HHDT
Site Watering	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	62.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT

Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	65.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	7.02	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Site Watering	—	—	—	—
Site Watering	Worker	45.0	18.5	LDA,LDT1,LDT2
Site Watering	Vendor	—	10.2	HHDT,MHDT
Site Watering	Hauling	0.00	20.0	HHDT
Site Watering	Onsite truck	—	—	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)

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 (sq. ft.)	Acres Paved (acres)
Site Preparation	0.00	0.00	15.0	0.00	—
Site Watering	0.00	0.00	0.00	0.00	—
Grading	2,525	0.00	183	0.00	—

5.6.2. Construction Earthmoving Control Strategies

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

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Low Rise	—	0%
Strip Mall	0.00	0%
Unrefrigerated Warehouse-No Rail	0.00	0%
Unrefrigerated Warehouse-No Rail	0.00	0%
Parking Lot	104	100%
Industrial Park	0.00	0%
City 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
2025	0.00	457	0.03	< 0.005

8. User Changes to Default Data

Screen	Justification
Land Use	Land use information updated based on information from the site plan. Lot acreage is based on building footprint for residential and industrial land uses. All hardscaped surfaces are modeled as the Parking Lot land use. Landscaped surfaces are modeled as the City Park land use. The Industrial Park land use was chosen to model the substation because of the 50,000 square foot size limit for the General Light Industry land use type.
Operations: Vehicle Data	Trip rates adjusted based on traffic report. Default trip rate for the Industrial Park land use decreased to reflect substation operations. Trip length for residential and warehouse office land uses adjusted based on VMT memo. Trip length for warehouses adjusted based on SCAQMD data. Passenger car trips for both warehouses were assigned to the 859,610 square foot non-sort warehouse. Truck trips for both warehouses were assigned to the 946,680 square foot sort warehouse.
Operations: Fleet Mix	Warehouse fleet mix updated based on traffic report. Passenger car trips for both warehouses were assigned to the 859,610 square foot non-sort warehouse. Truck trips for both warehouses were assigned to the 946,680 square foot sort warehouse.
Operations: Hearths	Wood stoves and fireplaces were removed due to SCAQMD Rule 445 and the number of gas fireplaces were increased to reflect project conditions.
Operations: Energy Use	Electricity consumed by apartment and warehouse land uses was reduced by 40% to account for solar required by CalGreen. Industrial Park land use energy consumption defaults decreased to 0 to reflect the operation of the substation.
Operations: Water and Waste Water	Industrial Park land use water consumption defaults decreased to 0 to reflect the operation of the substation. Indoor water use for warehouse land uses decreased based on water usage rates of indoor water fixtures compliant with CALGreen and the number of employees.
Operations: Solid Waste	Industrial Park land use waste generation defaults decreased to 0 to reflect the operation of the substation.
Operations: Refrigerants	GWP decreased according to requirements in California Code of Regulations, Title 17, Division 3, Chapter 1, Subchapter 10 Climate Change, Article 4. Industrial Park (substation) refrigerants deleted to reflect the operation of the substation. City Park (landscaping) refrigerants deleted to reflect operation of landscaped area.
Construction: Construction Phases	Construction schedule updated with information from the project applicant.
Construction: Off-Road Equipment	Excavator hp increased to reflect project conditions. Water trucks added based on acreage to site preparation and grading phases.
Construction: On-Road Fugitive Dust	Assuming 3% of travel occurs on unpaved roads during the site preparation to account for site conditions.
Construction: Dust From Material Movement	Acres graded increased to be set to project area.

02 "A" Street v2 Custom Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	02 "A" Street v2
Construction Start Date	3/20/2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	7.60
Location	33.741776, -116.242842
County	Riverside-Salton Sea
City	Indio
Air District	South Coast AQMD
Air Basin	Salton Sea
TAZ	5657
EDFZ	19
Electric Utility	Imperial Irrigation District
Gas Utility	Southern California Gas
App Version	2022.1.1.20

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
Road Construction	0.90	Mile	10.4	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-1-A	Use Electric or Hybrid Powered Equipment
Construction	C-5	Use Advanced Engine Tiers

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.69	3.10	25.8	29.4	0.07	1.01	1.08	2.09	0.93	0.21	1.09	—	7,444	7,444	0.30	0.38	5.65	7,475
Mit.	0.96	0.90	6.81	39.1	0.06	0.21	1.08	1.24	0.20	0.21	0.41	—	7,166	7,166	0.29	0.38	5.65	7,195
% Reduced	74%	71%	74%	-33%	6%	79%	—	41%	79%	—	63%	—	4%	4%	4%	—	—	4%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.94	4.10	43.7	43.6	0.15	1.61	57.8	59.4	1.49	6.26	7.76	—	19,750	19,750	0.48	1.74	0.62	20,279
Mit.	1.61	1.43	18.6	57.4	0.15	0.44	57.8	58.3	0.44	6.26	6.70	—	19,753	19,753	0.49	1.74	0.62	20,283
% Reduced	67%	65%	57%	-31%	—	72%	—	2%	71%	—	14%	—	> -0.5%	> -0.5%	—	—	—	> -0.5%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.32	0.27	2.37	2.61	0.01	0.09	0.86	0.95	0.08	0.10	0.18	—	824	824	0.03	0.04	0.25	836
Mit.	0.10	0.09	0.68	3.44	0.01	0.02	0.86	0.88	0.02	0.10	0.12	—	809	809	0.03	0.04	0.25	821

% Reduced	69%	66%	72%	-32%	—	77%	—	7%	76%	—	35%	—	2%	2%	—	—	—	2%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.06	0.05	0.43	0.48	< 0.005	0.02	0.16	0.17	0.02	0.02	0.03	—	136	136	< 0.005	0.01	0.04	138
Mit.	0.02	0.02	0.12	0.63	< 0.005	< 0.005	0.16	0.16	< 0.005	0.02	0.02	—	134	134	< 0.005	0.01	0.04	136
% Reduced	69%	66%	72%	-32%	3%	77%	—	7%	76%	—	35%	—	2%	2%	2%	< 0.5%	—	2%
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	100	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	100	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	3.69	3.10	25.8	29.4	0.07	1.01	1.08	2.09	0.93	0.21	1.09	—	7,444	7,444	0.30	0.38	5.65	7,475

Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	4.94	4.10	43.7	43.6	0.15	1.61	57.8	59.4	1.49	6.26	7.76	—	19,750	19,750	0.48	1.74	0.62	20,279
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.32	0.27	2.37	2.61	0.01	0.09	0.86	0.95	0.08	0.10	0.18	—	824	824	0.03	0.04	0.25	836
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.06	0.05	0.43	0.48	< 0.005	0.02	0.16	0.17	0.02	0.02	0.03	—	136	136	< 0.005	0.01	0.04	138

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.96	0.90	6.81	39.1	0.06	0.21	1.08	1.24	0.20	0.21	0.41	—	7,166	7,166	0.29	0.38	5.65	7,195
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.61	1.43	18.6	57.4	0.15	0.44	57.8	58.3	0.44	6.26	6.70	—	19,753	19,753	0.49	1.74	0.62	20,283
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.10	0.09	0.68	3.44	0.01	0.02	0.86	0.88	0.02	0.10	0.12	—	809	809	0.03	0.04	0.25	821
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.02	0.02	0.12	0.63	< 0.005	< 0.005	0.16	0.16	< 0.005	0.02	0.02	—	134	134	< 0.005	0.01	0.04	136

3. Construction Emissions Details

3.1. Site Preparation (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.48	3.77	31.2	39.0	0.08	1.41	—	1.41	1.29	—	1.29	—	9,052	9,052	0.37	0.07	—	9,083
Dust From Material Movement	—	—	—	—	—	—	0.85	0.85	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.43	0.53	< 0.005	0.02	—	0.02	0.02	—	0.02	—	124	124	0.01	< 0.005	—	124
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	20.5	20.5	< 0.005	< 0.005	—	20.6
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.20	1.90	0.00	0.00	9.98	9.98	0.00	1.06	1.06	—	442	442	0.02	0.02	0.05	448
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.16	0.16	< 0.005	0.02	0.02	—	31.7	31.7	< 0.005	< 0.005	< 0.005	33.0
Hauling	0.30	0.19	12.3	2.71	0.07	0.20	46.8	47.0	0.20	5.10	5.29	—	10,223	10,223	0.10	1.64	0.57	10,714
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.13	0.13	0.00	0.01	0.01	—	6.48	6.48	< 0.005	< 0.005	0.01	6.56
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.43	0.43	< 0.005	< 0.005	< 0.005	0.45
Hauling	< 0.005	< 0.005	0.16	0.04	< 0.005	< 0.005	0.63	0.63	< 0.005	0.07	0.07	—	140	140	< 0.005	0.02	0.13	147
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	1.07	1.07	< 0.005	< 0.005	< 0.005	1.09
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.07	0.07	< 0.005	< 0.005	< 0.005	0.07
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.11	0.12	< 0.005	0.01	0.01	—	23.2	23.2	< 0.005	< 0.005	0.02	24.3

3.2. Site Preparation (2025) - Mitigated

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

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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.15	1.10	6.09	52.8	0.08	0.25	—	0.25	0.24	—	0.24	—	9,052	9,052	0.37	0.07	—	9,083
Dust From Material Movement	—	—	—	—	—	—	0.85	0.85	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.08	0.72	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	124	124	0.01	< 0.005	—	124
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	20.5	20.5	< 0.005	< 0.005	—	20.6
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.20	1.90	0.00	0.00	9.98	9.98	0.00	1.06	1.06	—	442	442	0.02	0.02	0.05	448
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.16	0.16	< 0.005	0.02	0.02	—	31.7	31.7	< 0.005	< 0.005	< 0.005	33.0
Hauling	0.30	0.19	12.3	2.71	0.07	0.20	46.8	47.0	0.20	5.10	5.29	—	10,223	10,223	0.10	1.64	0.57	10,714
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.13	0.13	0.00	0.01	0.01	—	6.48	6.48	< 0.005	< 0.005	0.01	6.56
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.43	0.43	< 0.005	< 0.005	< 0.005	0.45
Hauling	< 0.005	< 0.005	0.16	0.04	< 0.005	< 0.005	0.63	0.63	< 0.005	0.07	0.07	—	140	140	< 0.005	0.02	0.13	147
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	1.07	1.07	< 0.005	< 0.005	< 0.005	1.09
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.07	0.07	< 0.005	< 0.005	< 0.005	0.07
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.11	0.12	< 0.005	0.01	0.01	—	23.2	23.2	< 0.005	< 0.005	0.02	24.3

3.3. Utility Install (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.51	2.95	25.6	26.5	0.07	1.01	—	1.01	0.93	—	0.93	—	6,997	6,997	0.28	0.06	—	7,021
Dust From Material Movement	—	—	—	—	—	—	0.69	0.69	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.51	2.95	25.6	26.5	0.07	1.01	—	1.01	0.93	—	0.93	—	6,997	6,997	0.28	0.06	—	7,021
Dust From Material Movement	—	—	—	—	—	—	0.69	0.69	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	1.40	1.45	< 0.005	0.06	—	0.06	0.05	—	0.05	—	383	383	0.02	< 0.005	—	385
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.26	0.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	63.5	63.5	< 0.005	< 0.005	—	63.7
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.16	0.16	2.86	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	446	446	0.02	0.01	1.54	452

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.17	1.62	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	379	379	0.02	0.01	0.04	384
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	22.2	22.2	< 0.005	< 0.005	0.04	22.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.68	3.68	< 0.005	< 0.005	0.01	3.72
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Utility Install (2025) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.76	0.74	4.12	36.2	0.06	0.16	—	0.16	0.16	—	0.16	—	6,716	6,716	0.27	0.05	—	6,739

Dust From Material Movement	—	—	—	—	—	—	0.69	0.69	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.76	0.74	4.12	36.2	0.06	0.16	—	0.16	0.16	—	0.16	—	6,716	6,716	0.27	0.05	—	6,739
Dust From Material Movement	—	—	—	—	—	—	0.69	0.69	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.23	1.98	< 0.005	0.01	—	0.01	0.01	—	0.01	—	368	368	0.01	< 0.005	—	369
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.04	0.36	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	60.9	60.9	< 0.005	< 0.005	—	61.1
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.16	0.16	2.86	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	446	446	0.02	0.01	1.54	452
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.17	1.62	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	379	379	0.02	0.01	0.04	384
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	22.2	22.2	< 0.005	< 0.005	0.04	22.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.68	3.68	< 0.005	< 0.005	0.01	3.72
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Paving (2025) - Unmitigated

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

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

Off-Road Equipment	1.58	1.33	10.4	13.7	0.03	0.43	—	0.43	0.40	—	0.40	—	2,924	2,924	0.12	0.02	—	2,934
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.28	0.38	< 0.005	0.01	—	0.01	0.01	—	0.01	—	80.1	80.1	< 0.005	< 0.005	—	80.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.3	13.3	< 0.005	< 0.005	—	13.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.12	2.15	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	334	334	0.01	0.01	1.16	339
Vendor	0.10	0.07	2.80	0.94	0.01	0.04	0.55	0.59	0.04	0.14	0.18	—	2,145	2,145	0.03	0.34	4.50	2,253
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.33	8.33	< 0.005	< 0.005	0.01	8.44
Vendor	< 0.005	< 0.005	0.08	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	58.8	58.8	< 0.005	0.01	0.05	61.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.38	1.38	< 0.005	< 0.005	< 0.005	1.40
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.74	9.74	< 0.005	< 0.005	0.01	10.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Paving (2025) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72	0.65	3.89	17.8	0.03	0.17	—	0.17	0.16	—	0.16	—	2,924	2,924	0.12	0.02	—	2,934
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.11	0.49	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	80.1	80.1	< 0.005	< 0.005	—	80.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.3	13.3	< 0.005	< 0.005	—	13.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.12	2.15	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	334	334	0.01	0.01	1.16	339
Vendor	0.10	0.07	2.80	0.94	0.01	0.04	0.55	0.59	0.04	0.14	0.18	—	2,145	2,145	0.03	0.34	4.50	2,253
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.33	8.33	< 0.005	< 0.005	0.01	8.44
Vendor	< 0.005	< 0.005	0.08	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	58.8	58.8	< 0.005	0.01	0.05	61.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.38	1.38	< 0.005	< 0.005	< 0.005	1.40
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.74	9.74	< 0.005	< 0.005	0.01	10.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Linear, Grading & Excavation	3/20/2025	3/26/2025	5.00	5.00	—
Utility Install	Linear, Drainage, Utilities, & Sub-Grade	3/27/2025	4/23/2025	5.00	20.0	—
Paving	Linear, Paving	4/24/2025	5/7/2025	5.00	10.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Excavators	Diesel	Average	3.00	8.00	158	0.38
Site Preparation	Crawler Tractors	Diesel	Average	1.00	8.00	87.0	0.43
Site Preparation	Graders	Diesel	Average	1.00	8.00	148	0.41
Site Preparation	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Site Preparation	Signal Boards	Electric	Average	1.00	8.00	6.00	0.82
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Site Preparation	Rubber Tired Loaders	Diesel	Average	1.00	8.00	150	0.36
Site Preparation	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Site Preparation	Off-Highway Trucks	Diesel	Average	1.00	7.83	376	0.38
Utility Install	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Utility Install	Rough Terrain Forklifts	Diesel	Average	1.00	8.00	96.0	0.40
Utility Install	Signal Boards	Electric	Average	1.00	8.00	6.00	0.82
Utility Install	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Utility Install	Graders	Diesel	Average	1.00	8.00	148	0.41
Utility Install	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
Utility Install	Pumps	Diesel	Average	1.00	8.00	11.0	0.74
Utility Install	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Utility Install	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Utility Install	Off-Highway Trucks	Diesel	Average	1.00	7.83	376	0.38
Paving	Rollers	Diesel	Average	3.00	8.00	36.0	0.38
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42

Paving	Tractors/Loaders/Backh	Diesel	Average	2.00	8.00	84.0	0.37
Paving	Signal Boards	Electric	Average	1.00	8.00	6.00	0.82
Paving	Off-Highway Trucks	Diesel	Average	1.00	7.83	376	0.38

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Excavators	Diesel	Tier 4 Final	3.00	8.00	158	0.38
Site Preparation	Crawler Tractors	Diesel	Tier 4 Final	1.00	8.00	87.0	0.43
Site Preparation	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Site Preparation	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Site Preparation	Signal Boards	Electric	Average	1.00	8.00	6.00	0.82
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Site Preparation	Rubber Tired Loaders	Diesel	Tier 4 Final	1.00	8.00	150	0.36
Site Preparation	Scrapers	Diesel	Tier 4 Final	2.00	8.00	423	0.48
Site Preparation	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	7.83	376	0.38
Utility Install	Scrapers	Diesel	Tier 4 Final	2.00	8.00	423	0.48
Utility Install	Rough Terrain Forklifts	Diesel	Tier 4 Final	1.00	8.00	96.0	0.40
Utility Install	Signal Boards	Electric	Average	1.00	8.00	6.00	0.82
Utility Install	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Utility Install	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Utility Install	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
Utility Install	Pumps	Diesel	Average	1.00	8.00	11.0	0.74
Utility Install	Air Compressors	Electric	Average	1.00	8.00	37.0	0.48
Utility Install	Generator Sets	Electric	Average	1.00	8.00	14.0	0.74
Utility Install	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	7.83	376	0.38
Paving	Rollers	Diesel	Average	3.00	8.00	36.0	0.38

Paving	Paving Equipment	Diesel	Tier 4 Final	1.00	8.00	89.0	0.36
Paving	Pavers	Diesel	Tier 4 Final	1.00	8.00	81.0	0.42
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Paving	Signal Boards	Electric	Average	1.00	8.00	6.00	0.82
Paving	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	7.83	376	0.38

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	35.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	1.00	10.2	HHDT,MHDT
Site Preparation	Hauling	150	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Utility Install	—	—	—	—
Utility Install	Worker	30.0	18.5	LDA,LDT1,LDT2
Utility Install	Vendor	0.00	10.2	HHDT,MHDT
Utility Install	Hauling	0.00	20.0	HHDT
Utility Install	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	22.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	60.0	10.2	HHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	35.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	1.00	10.2	HHDT,MHDT
Site Preparation	Hauling	150	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Utility Install	—	—	—	—
Utility Install	Worker	30.0	18.5	LDA,LDT1,LDT2
Utility Install	Vendor	0.00	10.2	HHDT,MHDT
Utility Install	Hauling	0.00	20.0	HHDT
Utility Install	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	22.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	60.0	10.2	HHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	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)

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 (sq. ft.)	Acres Paved (acres)
Site Preparation	6,000	0.00	10.4	0.00	—
Utility Install	0.00	0.00	10.4	0.00	—

5.6.2. Construction Earthmoving Control Strategies

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

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Road Construction	10.4	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	88.1	457	0.03	< 0.005

8. User Changes to Default Data

Screen	Justification

Construction: Construction Phases	The project would not include demolition. The demolition phase was removed.
Construction: Off-Road Equipment	Excavator hp increased. Water trucks added to all phases.
Construction: On-Road Fugitive Dust	Percent paved roads reduced to account for on site travel.
Construction: Trips and VMT	Vendor trips added to paving phase.

03 IID Substation Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	03 IID Substation
Construction Start Date	4/24/2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	7.60
Location	33.739197, -116.242835
County	Riverside-Salton Sea
City	Indio
Air District	South Coast AQMD
Air Basin	Salton Sea
TAZ	5657
EDFZ	19
Electric Utility	Imperial Irrigation District
Gas Utility	Southern California Gas
App Version	2022.1.1.20

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	106	1000sqft	2.44	10,629	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-1-A	Use Electric or Hybrid Powered Equipment
Construction	C-5	Use Advanced Engine Tiers
Construction	C-13	Use Low-VOC Paints for Construction

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.68	1.40	14.4	13.3	0.05	0.54	42.6	43.1	0.50	4.37	4.88	—	5,730	5,730	0.15	0.44	6.04	5,871
Mit.	0.42	0.39	4.40	18.2	0.05	0.11	42.6	42.7	0.11	4.37	4.48	—	5,731	5,731	0.15	0.44	6.04	5,872
% Reduced	75%	72%	69%	-37%	—	80%	—	1%	79%	—	8%	—	> -0.5%	> -0.5%	—	—	—	> -0.5%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.64	33.0	11.5	12.9	0.03	0.43	0.23	0.54	0.40	0.05	0.42	—	2,752	2,752	0.11	0.05	0.02	2,769
Mit.	0.57	3.29	2.84	11.0	0.02	0.11	0.23	0.34	0.11	0.05	0.16	—	2,027	2,027	0.08	0.04	0.02	2,042
% Reduced	65%	90%	75%	14%	35%	74%	—	37%	73%	—	62%	—	26%	26%	28%	12%	—	26%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.81	0.67	5.69	6.37	0.01	0.21	0.62	0.84	0.20	0.07	0.27	—	1,400	1,400	0.05	0.03	0.19	1,410

Mit.	0.10	0.10	0.60	5.12	0.01	0.02	0.62	0.64	0.02	0.07	0.09	—	1,052	1,052	0.04	0.03	0.19	1,061
% Reduced	88%	85%	90%	20%	33%	91%	—	23%	90%	—	66%	—	25%	25%	26%	10%	—	25%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.15	0.12	1.04	1.16	< 0.005	0.04	0.11	0.15	0.04	0.01	0.05	—	232	232	0.01	< 0.005	0.03	233
Mit.	0.02	0.02	0.11	0.93	< 0.005	< 0.005	0.11	0.12	< 0.005	0.01	0.02	—	174	174	0.01	< 0.005	0.03	176
% Reduced	88%	85%	90%	20%	33%	91%	—	23%	90%	—	66%	—	25%	25%	26%	10%	—	25%
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	100	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	Yes	No	—	Yes	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	Yes	No	—	Yes	No	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	100	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	Yes	No	—	Yes	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	Yes	No	—	Yes	No	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.68	1.40	14.4	13.3	0.05	0.54	42.6	43.1	0.50	4.37	4.88	—	5,730	5,730	0.15	0.44	6.04	5,871

Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.64	1.36	11.5	12.9	0.03	0.43	0.11	0.54	0.40	0.03	0.42	—	2,752	2,752	0.11	0.05	0.02	2,769
2026	1.56	33.0	10.9	12.7	0.03	0.38	0.23	0.50	0.35	0.05	0.38	—	2,748	2,748	0.10	0.05	0.02	2,765
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.81	0.67	5.69	6.37	0.01	0.21	0.62	0.84	0.20	0.07	0.27	—	1,400	1,400	0.05	0.03	0.19	1,410
2026	0.20	0.44	1.41	1.67	< 0.005	0.05	0.02	0.07	0.05	< 0.005	0.05	—	355	355	0.01	0.01	0.04	357
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.15	0.12	1.04	1.16	< 0.005	0.04	0.11	0.15	0.04	0.01	0.05	—	232	232	0.01	< 0.005	0.03	233
2026	0.04	0.08	0.26	0.30	< 0.005	0.01	< 0.005	0.01	0.01	< 0.005	0.01	—	58.8	58.8	< 0.005	< 0.005	0.01	59.1

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.42	0.39	4.40	18.2	0.05	0.11	42.6	42.7	0.11	4.37	4.48	—	5,731	5,731	0.15	0.44	6.04	5,872
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.20	0.19	1.12	10.1	0.02	0.04	0.11	0.15	0.04	0.03	0.06	—	2,027	2,027	0.08	0.04	0.02	2,042
2026	0.57	3.29	2.84	11.0	0.02	0.11	0.23	0.34	0.11	0.05	0.16	—	2,026	2,026	0.08	0.04	0.02	2,041
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.10	0.10	0.60	5.12	0.01	0.02	0.62	0.64	0.02	0.07	0.09	—	1,052	1,052	0.04	0.03	0.19	1,061
2026	0.03	0.05	0.16	1.34	< 0.005	0.01	0.02	0.02	0.01	< 0.005	0.01	—	265	265	0.01	0.01	0.04	267
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2025	0.02	0.02	0.11	0.93	< 0.005	< 0.005	0.11	0.12	< 0.005	0.01	0.02	—	174	174	0.01	< 0.005	0.03	176
2026	0.01	0.01	0.03	0.25	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	43.9	43.9	< 0.005	< 0.005	0.01	44.2

3. Construction Emissions Details

3.1. Site Preparation (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.54	1.29	11.5	11.6	0.03	0.49	—	0.49	0.45	—	0.45	—	3,021	3,021	0.12	0.02	—	3,032
Dust From Material Movement	—	—	—	—	—	—	0.42	0.42	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.16	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	41.4	41.4	< 0.005	< 0.005	—	41.5
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.85	6.85	< 0.005	< 0.005	—	6.88
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.95	0.00	0.00	8.30	8.30	0.00	0.84	0.84	—	149	149	0.01	< 0.005	0.51	151
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.08	0.05	2.86	0.66	0.02	0.05	33.9	33.9	0.05	3.48	3.53	—	2,560	2,560	0.02	0.41	5.52	2,689
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.11	0.11	0.00	0.01	0.01	—	1.85	1.85	< 0.005	< 0.005	< 0.005	1.87
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.45	0.46	< 0.005	0.05	0.05	—	35.1	35.1	< 0.005	0.01	0.03	36.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	0.31	0.31	< 0.005	< 0.005	< 0.005	0.31
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.01	—	5.81	5.81	< 0.005	< 0.005	0.01	6.09

3.2. Site Preparation (2025) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.29	1.48	16.5	0.03	0.06	—	0.06	0.06	—	0.06	—	3,021	3,021	0.12	0.02	—	3,032
Dust From Material Movement	—	—	—	—	—	—	0.42	0.42	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.23	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	41.4	41.4	< 0.005	< 0.005	—	41.5
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.85	6.85	< 0.005	< 0.005	—	6.88
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.95	0.00	0.00	8.30	8.30	0.00	0.84	0.84	—	149	149	0.01	< 0.005	0.51	151
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.08	0.05	2.86	0.66	0.02	0.05	33.9	33.9	0.05	3.48	3.53	—	2,560	2,560	0.02	0.41	5.52	2,689
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.11	0.11	0.00	0.01	0.01	—	1.85	1.85	< 0.005	< 0.005	< 0.005	1.87
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.45	0.46	< 0.005	0.05	0.05	—	35.1	35.1	< 0.005	0.01	0.03	36.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	0.31	0.31	< 0.005	< 0.005	< 0.005	0.31
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.01	—	5.81	5.81	< 0.005	< 0.005	0.01	6.09

3.3. Building Construction (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.61	1.34	11.2	12.5	0.03	0.43	—	0.43	0.39	—	0.39	—	2,506	2,506	0.10	0.02	—	2,515

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.61	1.34	11.2	12.5	0.03	0.43	—	0.43	0.39	—	0.39	—	2,506	2,506	0.10	0.02	—	2,515
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	0.64	5.38	6.01	0.01	0.20	—	0.20	0.19	—	0.19	—	1,201	1,201	0.05	0.01	—	1,206
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	0.98	1.10	< 0.005	0.04	—	0.04	0.03	—	0.03	—	199	199	0.01	< 0.005	—	200
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.43	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	66.3	66.3	< 0.005	< 0.005	0.23	67.2
Vendor	0.01	0.01	0.20	0.09	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	190	190	< 0.005	0.03	0.52	198
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.03	0.24	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	56.4	56.4	< 0.005	< 0.005	0.01	57.1
Vendor	0.01	0.01	0.22	0.09	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	190	190	< 0.005	0.03	0.01	198
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	28.9	28.9	< 0.005	< 0.005	0.05	29.3
Vendor	< 0.005	< 0.005	0.10	0.04	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	91.1	91.1	< 0.005	0.01	0.11	94.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.79	4.79	< 0.005	< 0.005	0.01	4.85
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15.1	15.1	< 0.005	< 0.005	0.02	15.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Building Construction (2025) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.17	0.88	9.77	0.02	0.03	—	0.03	0.03	—	0.03	—	1,780	1,780	0.07	0.01	—	1,786
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.17	0.88	9.77	0.02	0.03	—	0.03	0.03	—	0.03	—	1,780	1,780	0.07	0.01	—	1,786
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.08	0.08	0.42	4.69	0.01	0.02	—	0.02	0.02	—	0.02	—	853	853	0.03	0.01	—	856
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.86	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	141	141	0.01	< 0.005	—	142
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.43	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	66.3	66.3	< 0.005	< 0.005	0.23	67.2
Vendor	0.01	0.01	0.20	0.09	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	190	190	< 0.005	0.03	0.52	198
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.03	0.24	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	56.4	56.4	< 0.005	< 0.005	0.01	57.1
Vendor	0.01	0.01	0.22	0.09	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	190	190	< 0.005	0.03	0.01	198
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	28.9	28.9	< 0.005	< 0.005	0.05	29.3
Vendor	< 0.005	< 0.005	0.10	0.04	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	91.1	91.1	< 0.005	0.01	0.11	94.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.79	4.79	< 0.005	< 0.005	0.01	4.85
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15.1	15.1	< 0.005	< 0.005	0.02	15.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Building Construction (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.54	1.28	10.7	12.4	0.03	0.38	—	0.38	0.35	—	0.35	—	2,506	2,506	0.10	0.02	—	2,515
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	1.32	1.53	< 0.005	0.05	—	0.05	0.04	—	0.04	—	309	309	0.01	< 0.005	—	310
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.24	0.28	< 0.005	0.01	—	0.01	0.01	—	0.01	—	51.2	51.2	< 0.005	< 0.005	—	51.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.02	0.02	0.02	0.22	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	55.2	55.2	< 0.005	< 0.005	0.01	55.9
Vendor	0.01	0.01	0.21	0.09	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	187	187	< 0.005	0.03	0.01	194
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.28	7.28	< 0.005	< 0.005	0.01	7.37
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	23.0	23.0	< 0.005	< 0.005	0.03	24.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.21	1.21	< 0.005	< 0.005	< 0.005	1.22
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.81	3.81	< 0.005	< 0.005	< 0.005	3.97
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. 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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.17	0.88	9.77	0.02	0.03	—	0.03	0.03	—	0.03	—	1,780	1,780	0.07	0.01	—	1,786
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.02	0.02	0.11	1.20	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	219	219	0.01	< 0.005	—	220
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.22	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	36.3	36.3	< 0.005	< 0.005	—	36.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.22	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	55.2	55.2	< 0.005	< 0.005	0.01	55.9
Vendor	0.01	0.01	0.21	0.09	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	187	187	< 0.005	0.03	0.01	194
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.28	7.28	< 0.005	< 0.005	0.01	7.37
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	23.0	23.0	< 0.005	< 0.005	0.03	24.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.21	1.21	< 0.005	< 0.005	< 0.005	1.22
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.81	3.81	< 0.005	< 0.005	< 0.005	3.97
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Paving (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92	0.77	6.46	8.87	0.01	0.27	—	0.27	0.25	—	0.25	—	1,549	1,549	0.06	0.01	—	1,554
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.7	12.7	< 0.005	< 0.005	—	12.8
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.11	2.11	< 0.005	< 0.005	—	2.11
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.09	0.88	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	217	217	< 0.005	0.01	0.02	219
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.90	1.90	< 0.005	< 0.005	< 0.005	1.93
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.32	0.32	< 0.005	< 0.005	< 0.005	0.32
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Paving (2026) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	0.43	2.75	10.1	0.01	0.11	—	0.11	0.11	—	0.11	—	1,549	1,549	0.06	0.01	—	1,554
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.7	12.7	< 0.005	< 0.005	—	12.8
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.11	2.11	< 0.005	< 0.005	—	2.11
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.09	0.88	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	217	217	< 0.005	0.01	0.02	219
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.90	1.90	< 0.005	< 0.005	< 0.005	1.93
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.32	0.32	< 0.005	< 0.005	< 0.005	0.32

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Architectural Coating (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	32.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.10	1.10	< 0.005	< 0.005	—	1.10
Architectural Coatings	—	0.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.18	0.18	< 0.005	< 0.005	—	0.18

Architect Coatings	—	0.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.0	11.0	< 0.005	< 0.005	< 0.005	11.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.10	0.10	< 0.005	< 0.005	< 0.005	0.10
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.02	0.02	< 0.005	< 0.005	< 0.005	0.02
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Architectural Coating (2026) - Mitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	3.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.0	11.0	< 0.005	< 0.005	< 0.005	11.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.10	0.10	< 0.005	< 0.005	< 0.005	0.10
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.02	0.02	< 0.005	< 0.005	< 0.005	0.02
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

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

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

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

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	4/24/2025	4/30/2025	5.00	5.00	—
Building Construction	Building Construction	5/1/2025	3/4/2026	5.00	220	—
Paving	Paving	3/5/2026	3/9/2026	5.00	3.00	—

Architectural Coating	Architectural Coating	3/10/2026	3/12/2026	5.00	3.00	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Graders	Diesel	Average	1.00	8.00	148	0.41
Site Preparation	Scrapers	Diesel	Average	1.00	8.00	423	0.48
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Site Preparation	Off-Highway Trucks	Diesel	Average	1.00	1.83	376	0.38
Building Construction	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Average	2.00	7.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37
Building Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Building Construction	Off-Highway Trucks	Diesel	Average	1.00	1.83	376	0.38
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
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	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Paving	Off-Highway Trucks	Diesel	Average	1.00	1.83	376	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Site Preparation	Scrapers	Diesel	Tier 4 Final	1.00	8.00	423	0.48
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	7.00	84.0	0.37
Site Preparation	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	1.83	376	0.38
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	2.00	7.00	82.0	0.20
Building Construction	Generator Sets	Electric	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	6.00	84.0	0.37
Building Construction	Welders	Electric	Average	3.00	8.00	46.0	0.45
Building Construction	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	1.83	376	0.38
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
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	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Paving	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	1.83	376	0.38
Architectural Coating	Air Compressors	Electric	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix

Site Preparation	—	—	—	—
Site Preparation	Worker	10.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	37.6	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	4.46	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	6.00	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	17.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.89	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	10.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	37.6	20.0	HHDT

Site Preparation	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	4.46	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	6.00	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	17.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.89	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

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	15,943	5,314	—

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 (sq. ft.)	Acres Paved (acres)
Site Preparation	1,500	0.00	7.50	0.00	—
Paving	0.00	0.00	0.00	0.00	0.00

5.6.2. Construction Earthmoving Control Strategies

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

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
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
2025	0.00	457	0.03	< 0.005
2026	0.00	457	0.03	< 0.005

8. User Changes to Default Data

Screen	Justification

Land Use	Land use updated to reflect project conditions. Building square feet set at 10% of lot acreage - The substation will not include occupiable buildings.
Construction: Construction Phases	Construction schedule updated based on information from project applicant.
Construction: Off-Road Equipment	Water trucks added to equipment list to reflect project conditions.
Construction: On-Road Fugitive Dust	Assuming 3% of travel occurs on unpaved roads during the site preparation phases to account for site conditions.
Construction: Trips and VMT	Vendor trips added to building construction and paving phases.

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	04 PA4 Southwest Industrial
Construction Start Date	5/8/2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	7.60
Location	33.740643, -116.247488
County	Riverside-Salton Sea
City	Indio
Air District	South Coast AQMD
Air Basin	Salton Sea
TAZ	5657
EDFZ	19
Electric Utility	Imperial Irrigation District
Gas Utility	Southern California Gas
App Version	2022.1.1.20

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	860	1000sqft	19.7	859,610	0.00	0.00	—	—

Parking Lot	27.5	Acre	27.5	27.5	169,954	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-1-A	Use Electric or Hybrid Powered Equipment
Construction	C-5	Use Advanced Engine Tiers
Construction	C-13	Use Low-VOC Paints for Construction

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.47	5.45	43.9	62.7	0.11	1.80	13.7	15.5	1.65	3.53	5.18	—	18,116	18,116	0.60	0.84	30.8	18,414
Mit.	3.42	3.11	12.4	75.1	0.11	0.28	13.7	13.9	0.27	3.53	3.74	—	17,805	17,805	0.59	0.84	30.8	18,102
% Reduced	47%	43%	72%	-20%	4%	85%	—	10%	84%	—	28%	—	2%	2%	2%	< 0.5%	—	2%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.53	277	29.7	47.8	0.11	0.92	5.92	6.85	0.86	1.44	2.30	—	17,321	17,321	0.61	0.84	0.80	17,588
Mit.	2.94	37.9	12.9	60.3	0.11	0.28	5.92	6.20	0.27	1.44	1.71	—	17,010	17,010	0.60	0.84	0.80	17,277
% Reduced	47%	86%	57%	-26%	4%	70%	—	9%	68%	—	25%	—	2%	2%	2%	< 0.5%	—	2%

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.57	14.6	18.2	32.8	0.07	0.57	3.61	4.18	0.52	0.88	1.40	—	11,193	11,193	0.30	0.51	7.43	11,361
Mit.	1.90	3.00	7.85	41.4	0.07	0.19	3.61	3.80	0.18	0.88	1.06	—	11,002	11,002	0.29	0.51	7.43	11,169
% Reduced	47%	80%	57%	-26%	3%	67%	—	9%	65%	—	24%	—	2%	2%	3%	< 0.5%	—	2%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.65	2.67	3.32	5.99	0.01	0.10	0.66	0.76	0.10	0.16	0.26	—	1,853	1,853	0.05	0.08	1.23	1,881
Mit.	0.35	0.55	1.43	7.56	0.01	0.03	0.66	0.69	0.03	0.16	0.19	—	1,822	1,822	0.05	0.08	1.23	1,849
% Reduced	47%	80%	57%	-26%	3%	67%	—	9%	65%	—	24%	—	2%	2%	3%	< 0.5%	—	2%
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	100	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	Yes	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	100	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

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

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

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	6.47	5.45	43.9	62.7	0.11	1.80	13.7	15.5	1.65	3.53	5.18	—	18,116	18,116	0.60	0.84	30.8	18,414
2026	5.65	4.84	27.4	60.1	0.11	0.84	5.92	6.76	0.78	1.44	2.22	—	17,928	17,928	0.59	0.84	28.2	18,223
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	5.53	4.69	29.7	47.8	0.11	0.92	5.92	6.85	0.86	1.44	2.30	—	17,321	17,321	0.61	0.84	0.80	17,588
2026	5.36	277	27.9	46.3	0.11	0.84	5.92	6.76	0.78	1.44	2.22	—	17,152	17,152	0.46	0.84	0.73	17,416
2027	0.43	277	1.17	4.50	< 0.005	0.02	0.94	0.96	0.02	0.22	0.24	—	1,010	1,010	0.02	0.04	0.08	1,021
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	2.68	2.28	14.9	24.0	0.05	0.50	3.37	3.87	0.46	0.84	1.30	—	7,717	7,717	0.27	0.33	5.16	7,827
2026	3.57	11.3	18.2	32.8	0.07	0.57	3.61	4.18	0.52	0.88	1.40	—	11,193	11,193	0.30	0.51	7.43	11,361
2027	0.02	14.6	0.06	0.28	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	56.5	56.5	< 0.005	< 0.005	0.07	57.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.49	0.42	2.72	4.37	0.01	0.09	0.62	0.71	0.08	0.15	0.24	—	1,278	1,278	0.04	0.05	0.85	1,296
2026	0.65	2.07	3.32	5.99	0.01	0.10	0.66	0.76	0.10	0.16	0.26	—	1,853	1,853	0.05	0.08	1.23	1,881
2027	< 0.005	2.67	0.01	0.05	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	9.36	9.36	< 0.005	< 0.005	0.01	9.47

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	3.42	3.11	12.4	75.1	0.11	0.28	13.7	13.9	0.27	3.53	3.74	—	17,805	17,805	0.59	0.84	30.8	18,102
2026	3.15	2.84	11.8	72.6	0.11	0.27	5.92	6.20	0.27	1.44	1.70	—	17,617	17,617	0.58	0.84	28.2	17,911

Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	2.94	2.62	12.9	60.3	0.11	0.28	5.92	6.20	0.27	1.44	1.71	—	17,010	17,010	0.60	0.84	0.80	17,277
2026	2.85	37.9	12.3	58.8	0.11	0.27	5.92	6.20	0.27	1.44	1.70	—	16,841	16,841	0.45	0.84	0.73	17,104
2027	0.29	37.9	0.34	3.38	0.00	0.00	0.94	0.94	0.00	0.22	0.22	—	878	878	0.01	0.03	0.08	889
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.26	1.13	5.30	29.9	0.05	0.12	3.37	3.49	0.12	0.84	0.96	—	7,597	7,597	0.26	0.33	5.16	7,707
2026	1.90	3.00	7.85	41.4	0.07	0.19	3.61	3.80	0.18	0.88	1.06	—	11,002	11,002	0.29	0.51	7.43	11,169
2027	0.02	2.01	0.02	0.22	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	49.6	49.6	< 0.005	< 0.005	0.07	50.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.23	0.21	0.97	5.46	0.01	0.02	0.62	0.64	0.02	0.15	0.18	—	1,258	1,258	0.04	0.05	0.85	1,276
2026	0.35	0.55	1.43	7.56	0.01	0.03	0.66	0.69	0.03	0.16	0.19	—	1,822	1,822	0.05	0.08	1.23	1,849
2027	< 0.005	0.37	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.21	8.21	< 0.005	< 0.005	0.01	8.31

3. Construction Emissions Details

3.1. Site Preparation (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.30	5.29	43.8	43.3	0.10	1.80	—	1.80	1.65	—	1.65	—	11,193	11,193	0.45	0.09	—	11,232

Dust From Material Movement	—	—	—	—	—	—	5.11	5.11	—	2.63	2.63	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.52	0.43	3.60	3.56	0.01	0.15	—	0.15	0.14	—	0.14	—	920	920	0.04	0.01	—	923
Dust From Material Movement	—	—	—	—	—	—	0.42	0.42	—	0.22	0.22	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.66	0.65	< 0.005	0.03	—	0.03	0.02	—	0.02	—	152	152	0.01	< 0.005	—	153
Dust From Material Movement	—	—	—	—	—	—	0.08	0.08	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.16	0.16	2.86	0.00	0.00	8.56	8.56	0.00	0.91	0.91	—	446	446	0.02	0.01	1.54	452
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.17	0.00	0.00	0.69	0.69	0.00	0.07	0.07	—	33.3	33.3	< 0.005	< 0.005	0.05	33.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.13	0.13	0.00	0.01	0.01	—	5.51	5.51	< 0.005	< 0.005	0.01	5.59
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.2. Site Preparation (2025) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.06	1.06	5.49	57.3	0.10	0.21	—	0.21	0.21	—	0.21	—	11,193	11,193	0.45	0.09	—	11,232
Dust From Material Movement	—	—	—	—	—	—	5.11	5.11	—	2.63	2.63	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.09	0.45	4.71	0.01	0.02	—	0.02	0.02	—	0.02	—	920	920	0.04	0.01	—	923
Dust From Material Movement	—	—	—	—	—	—	0.42	0.42	—	0.22	0.22	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.08	0.86	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	152	152	0.01	< 0.005	—	153
Dust From Material Movement	—	—	—	—	—	—	0.08	0.08	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.16	0.16	2.86	0.00	0.00	8.56	8.56	0.00	0.91	0.91	—	446	446	0.02	0.01	1.54	452
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.17	0.00	0.00	0.69	0.69	0.00	0.07	0.07	—	33.3	33.3	< 0.005	< 0.005	0.05	33.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.13	0.13	0.00	0.01	0.01	—	5.51	5.51	< 0.005	< 0.005	0.01	5.59
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Building Construction (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.70	3.11	22.6	26.1	0.08	0.86	—	0.86	0.79	—	0.79	—	8,295	8,295	0.34	0.07	—	8,324
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.70	3.11	22.6	26.1	0.08	0.86	—	0.86	0.79	—	0.79	—	8,295	8,295	0.34	0.07	—	8,324
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.42	1.19	8.65	10.0	0.03	0.33	—	0.33	0.30	—	0.30	—	3,182	3,182	0.13	0.03	—	3,193
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.26	0.22	1.58	1.83	0.01	0.06	—	0.06	0.06	—	0.06	—	527	527	0.02	< 0.005	—	529
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.07	1.90	1.89	34.4	0.00	0.00	4.72	4.72	0.00	1.11	1.11	—	5,362	5,362	0.21	0.18	18.6	5,439
Vendor	0.23	0.17	4.70	2.09	0.03	0.06	1.21	1.27	0.06	0.33	0.40	—	4,459	4,459	0.05	0.60	12.3	4,651
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.61	1.42	2.04	19.6	0.00	0.00	4.72	4.72	0.00	1.11	1.11	—	4,562	4,562	0.22	0.18	0.48	4,621
Vendor	0.21	0.15	5.06	2.13	0.03	0.06	1.21	1.27	0.06	0.33	0.40	—	4,463	4,463	0.05	0.60	0.32	4,643
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.65	0.58	0.72	9.39	0.00	0.00	1.80	1.80	0.00	0.42	0.42	—	1,871	1,871	0.08	0.07	3.07	1,895
Vendor	0.08	0.06	1.91	0.81	0.01	0.02	0.46	0.48	0.02	0.13	0.15	—	1,711	1,711	0.02	0.23	2.03	1,782
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.13	1.71	0.00	0.00	0.33	0.33	0.00	0.08	0.08	—	310	310	0.01	0.01	0.51	314
Vendor	0.02	0.01	0.35	0.15	< 0.005	< 0.005	0.08	0.09	< 0.005	0.02	0.03	—	283	283	< 0.005	0.04	0.34	295
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Building Construction (2025) - Mitigated

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

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

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.12	1.04	5.77	38.6	0.07	0.21	—	0.21	0.21	—	0.21	—	7,984	7,984	0.32	0.06	—	8,012
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.12	1.04	5.77	38.6	0.07	0.21	—	0.21	0.21	—	0.21	—	7,984	7,984	0.32	0.06	—	8,012
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	0.40	2.21	14.8	0.03	0.08	—	0.08	0.08	—	0.08	—	3,062	3,062	0.12	0.02	—	3,073
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.40	2.70	0.01	0.02	—	0.02	0.01	—	0.01	—	507	507	0.02	< 0.005	—	509
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.07	1.90	1.89	34.4	0.00	0.00	4.72	4.72	0.00	1.11	1.11	—	5,362	5,362	0.21	0.18	18.6	5,439
Vendor	0.23	0.17	4.70	2.09	0.03	0.06	1.21	1.27	0.06	0.33	0.40	—	4,459	4,459	0.05	0.60	12.3	4,651
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.61	1.42	2.04	19.6	0.00	0.00	4.72	4.72	0.00	1.11	1.11	—	4,562	4,562	0.22	0.18	0.48	4,621
Vendor	0.21	0.15	5.06	2.13	0.03	0.06	1.21	1.27	0.06	0.33	0.40	—	4,463	4,463	0.05	0.60	0.32	4,643
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.65	0.58	0.72	9.39	0.00	0.00	1.80	1.80	0.00	0.42	0.42	—	1,871	1,871	0.08	0.07	3.07	1,895
Vendor	0.08	0.06	1.91	0.81	0.01	0.02	0.46	0.48	0.02	0.13	0.15	—	1,711	1,711	0.02	0.23	2.03	1,782
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.13	1.71	0.00	0.00	0.33	0.33	0.00	0.08	0.08	—	310	310	0.01	0.01	0.51	314
Vendor	0.02	0.01	0.35	0.15	< 0.005	< 0.005	0.08	0.09	< 0.005	0.02	0.03	—	283	283	< 0.005	0.04	0.34	295
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Building Construction (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.61	3.03	21.1	26.1	0.08	0.78	—	0.78	0.71	—	0.71	—	8,302	8,302	0.34	0.07	—	8,330
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	3.61	3.03	21.1	26.1	0.08	0.78	—	0.78	0.71	—	0.71	—	8,302	8,302	0.34	0.07	—	8,330
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.18	1.83	12.7	15.7	0.05	0.47	—	0.47	0.43	—	0.43	—	5,004	5,004	0.20	0.04	—	5,021
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.33	2.33	2.87	0.01	0.09	—	0.09	0.08	—	0.08	—	828	828	0.03	0.01	—	831
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.81	1.64	1.73	32.0	0.00	0.00	4.72	4.72	0.00	1.11	1.11	—	5,249	5,249	0.20	0.18	16.8	5,324
Vendor	0.23	0.17	4.50	1.95	0.03	0.06	1.21	1.27	0.06	0.33	0.40	—	4,378	4,378	0.05	0.60	11.5	4,569
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.53	1.35	1.87	18.1	0.00	0.00	4.72	4.72	0.00	1.11	1.11	—	4,468	4,468	0.07	0.18	0.44	4,524
Vendor	0.21	0.15	4.85	2.02	0.03	0.06	1.21	1.27	0.06	0.33	0.40	—	4,382	4,382	0.05	0.60	0.30	4,562
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.97	0.86	1.03	13.7	0.00	0.00	2.83	2.83	0.00	0.66	0.66	—	2,879	2,879	0.04	0.10	4.37	2,915
Vendor	0.13	0.09	2.85	1.19	0.02	0.04	0.72	0.76	0.04	0.20	0.24	—	2,640	2,640	0.03	0.36	2.98	2,751

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.16	0.19	2.49	0.00	0.00	0.52	0.52	0.00	0.12	0.12	—	477	477	0.01	0.02	0.72	483
Vendor	0.02	0.02	0.52	0.22	< 0.005	0.01	0.13	0.14	0.01	0.04	0.04	—	437	437	0.01	0.06	0.49	455
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. 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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.11	1.04	5.60	38.6	0.07	0.21	—	0.21	0.20	—	0.20	—	7,990	7,990	0.32	0.06	—	8,018
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.11	1.04	5.60	38.6	0.07	0.21	—	0.21	0.20	—	0.20	—	7,990	7,990	0.32	0.06	—	8,018
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	0.62	3.38	23.3	0.04	0.13	—	0.13	0.12	—	0.12	—	4,816	4,816	0.20	0.04	—	4,833
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.12	0.11	0.62	4.25	0.01	0.02	—	0.02	0.02	—	0.02	—	797	797	0.03	0.01	—	800
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.81	1.64	1.73	32.0	0.00	0.00	4.72	4.72	0.00	1.11	1.11	—	5,249	5,249	0.20	0.18	16.8	5,324
Vendor	0.23	0.17	4.50	1.95	0.03	0.06	1.21	1.27	0.06	0.33	0.40	—	4,378	4,378	0.05	0.60	11.5	4,569
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.53	1.35	1.87	18.1	0.00	0.00	4.72	4.72	0.00	1.11	1.11	—	4,468	4,468	0.07	0.18	0.44	4,524
Vendor	0.21	0.15	4.85	2.02	0.03	0.06	1.21	1.27	0.06	0.33	0.40	—	4,382	4,382	0.05	0.60	0.30	4,562
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.97	0.86	1.03	13.7	0.00	0.00	2.83	2.83	0.00	0.66	0.66	—	2,879	2,879	0.04	0.10	4.37	2,915
Vendor	0.13	0.09	2.85	1.19	0.02	0.04	0.72	0.76	0.04	0.20	0.24	—	2,640	2,640	0.03	0.36	2.98	2,751
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.16	0.19	2.49	0.00	0.00	0.52	0.52	0.00	0.12	0.12	—	477	477	0.01	0.02	0.72	483
Vendor	0.02	0.02	0.52	0.22	< 0.005	0.01	0.13	0.14	0.01	0.04	0.04	—	437	437	0.01	0.06	0.49	455
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Paving (2026) - Unmitigated

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

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

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.24	2.72	18.4	23.1	0.07	0.72	—	0.72	0.66	—	0.66	—	7,415	7,415	0.30	0.06	—	7,440
Paving	—	2.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	0.22	1.51	1.90	0.01	0.06	—	0.06	0.05	—	0.05	—	609	609	0.02	< 0.005	—	612
Paving	—	0.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.28	0.35	< 0.005	0.01	—	0.01	0.01	—	0.01	—	101	101	< 0.005	< 0.005	—	101
Paving	—	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.10	0.14	1.38	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	340	340	0.01	0.01	0.03	345

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.14	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	29.9	29.9	< 0.005	< 0.005	0.05	30.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.95	4.95	< 0.005	< 0.005	0.01	5.01
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Paving (2026) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.34	1.22	6.93	36.4	0.07	0.27	—	0.27	0.25	—	0.25	—	7,415	7,415	0.30	0.06	—	7,440
Paving	—	2.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.11	0.10	0.57	2.99	0.01	0.02	—	0.02	0.02	—	0.02	—	609	609	0.02	< 0.005	—	612
Paving	—	0.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.10	0.55	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	101	101	< 0.005	< 0.005	—	101
Paving	—	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.10	0.14	1.38	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	340	340	0.01	0.01	0.03	345
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.14	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	29.9	29.9	< 0.005	< 0.005	0.05	30.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.95	4.95	< 0.005	< 0.005	0.01	5.01
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Architectural Coating (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	277	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.92	3.92	< 0.005	< 0.005	—	3.93
Architectural Coatings	—	8.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.65	0.65	< 0.005	< 0.005	—	0.65
Architectural Coatings	—	1.48	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.31	0.27	0.37	3.63	0.00	0.00	0.94	0.94	0.00	0.22	0.22	—	894	894	0.01	0.04	0.09	905
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	28.0	28.0	< 0.005	< 0.005	0.04	28.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.64	4.64	< 0.005	< 0.005	0.01	4.70
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Architectural Coating (2026) - Mitigated

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

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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	37.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	1.11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	0.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.31	0.27	0.37	3.63	0.00	0.00	0.94	0.94	0.00	0.22	0.22	—	894	894	0.01	0.04	0.09	905

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	28.0	28.0	< 0.005	< 0.005	0.04	28.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.64	4.64	< 0.005	< 0.005	0.01	4.70
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	0.83	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	277	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.01	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.05	7.05	< 0.005	< 0.005	—	7.08
Architectural Coatings	—	14.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.17	1.17	< 0.005	< 0.005	—	1.17
Architectural Coatings	—	2.67	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.29	0.26	0.34	3.38	0.00	0.00	0.94	0.94	0.00	0.22	0.22	—	876	876	0.01	0.03	0.08	887
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.02	0.22	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	49.5	49.5	< 0.005	< 0.005	0.07	50.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.19	8.19	< 0.005	< 0.005	0.01	8.30

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. 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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	37.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	1.99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Architect Coatings	—	0.36	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.29	0.26	0.34	3.38	0.00	0.00	0.94	0.94	0.00	0.22	0.22	—	876	876	0.01	0.03	0.08	887
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.02	0.22	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	49.5	49.5	< 0.005	< 0.005	0.07	50.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.19	8.19	< 0.005	< 0.005	0.01	8.30
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	5/8/2025	6/18/2025	5.00	30.0	—

Building Construction	Building Construction	6/19/2025	11/4/2026	5.00	360	—
Paving	Paving	11/5/2026	12/16/2026	5.00	30.0	—
Architectural Coating	Architectural Coating	12/17/2026	1/27/2027	5.00	30.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Site Preparation	Off-Highway Trucks	Diesel	Average	5.00	7.08	376	0.38
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Off-Highway Trucks	Diesel	Average	5.00	7.08	376	0.38
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Paving	Off-Highway Trucks	Diesel	Average	5.00	7.08	376	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Final	3.00	8.00	367	0.40

Site Preparation	Tractors/Loaders/Backh	Diesel	Tier 4 Final	4.00	8.00	84.0	0.37
Site Preparation	Off-Highway Trucks	Diesel	Tier 4 Final	5.00	7.08	376	0.38
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Electric	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	7.00	84.0	0.37
Building Construction	Welders	Electric	Average	1.00	8.00	46.0	0.45
Building Construction	Off-Highway Trucks	Diesel	Average	1.00	7.08	376	0.38
Building Construction	Off-Highway Trucks	Diesel	Tier 4 Final	4.00	7.08	376	0.38
Paving	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Paving	Off-Highway Trucks	Diesel	Average	1.00	7.08	376	0.38
Paving	Off-Highway Trucks	Diesel	Tier 4 Final	4.00	7.08	376	0.38
Architectural Coating	Air Compressors	Electric	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	30.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	361	18.5	LDA,LDT1,LDT2

Building Construction	Vendor	141	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	27.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	72.2	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	30.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	361	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	141	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—

Paving	Worker	27.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	72.2	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

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	1,289,415	429,805	71,861

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 (sq. ft.)	Acres Paved (acres)
Site Preparation	0.00	0.00	45.0	0.00	—

Paving	0.00	0.00	0.00	0.00	27.5

5.6.2. Construction Earthmoving Control Strategies

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

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Unrefrigerated Warehouse-No Rail	0.00	0%
Parking Lot	27.5	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	457	0.03	< 0.005
2026	0.00	457	0.03	< 0.005
2027	0.00	457	0.03	< 0.005

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Removed demolition phase to reflect project conditions.
Construction: Off-Road Equipment	Excavator hp increased to reflect project conditions. Water trucks added to grading, building construction, and paving phases.
Land Use	Land use values adjusted based on site plan.
Construction: On-Road Fugitive Dust	Assuming 1% of travel occurs on unpaved roads during the site preparation and grading phrases to account for site conditions.

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3.9. Architectural Coating (2026) - Unmitigated

3.10. Architectural Coating (2026) - Mitigated

3.11. Architectural Coating (2027) - Unmitigated

3.12. Architectural Coating (2027) - 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	05 PA4 Southeast Industrial
Construction Start Date	5/8/2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	7.60
Location	33.740218445058304, -116.24011942730601
County	Riverside-Salton Sea
City	Indio
Air District	South Coast AQMD
Air Basin	Salton Sea
TAZ	5657
EDFZ	19
Electric Utility	Imperial Irrigation District
Gas Utility	Southern California Gas
App Version	2022.1.1.20

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	947	1000sqft	21.7	946,680	0.00	0.00	—	—

Parking Lot	23.8	Acre	23.8	23.8	132,139	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-1-A	Use Electric or Hybrid Powered Equipment
Construction	C-5	Use Advanced Engine Tiers
Construction	C-13	Use Low-VOC Paints for Construction

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.38	5.38	43.5	65.9	0.11	1.78	13.7	15.4	1.64	3.53	5.17	—	18,901	18,901	0.62	0.92	34.0	19,225
Mit.	3.27	3.01	11.1	81.0	0.11	0.22	13.7	13.9	0.22	3.53	3.74	—	18,590	18,590	0.61	0.92	34.0	18,913
% Reduced	49%	44%	75%	-23%	4%	88%	—	10%	87%	—	28%	—	2%	2%	2%	< 0.5%	—	2%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.63	303	29.9	49.6	0.11	0.92	6.52	7.44	0.85	1.59	2.43	—	18,025	18,025	0.63	0.92	0.88	18,317
Mit.	2.74	39.2	11.6	64.7	0.11	0.22	6.52	6.74	0.22	1.59	1.80	—	17,715	17,715	0.62	0.92	0.88	18,005
% Reduced	51%	87%	61%	-30%	4%	76%	—	9%	74%	—	26%	—	2%	2%	2%	< 0.5%	—	2%

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.62	16.0	18.3	34.0	0.07	0.56	3.97	4.53	0.52	0.96	1.48	—	11,611	11,611	0.30	0.56	8.18	11,793
Mit.	1.75	2.90	7.03	44.4	0.07	0.15	3.97	4.12	0.15	0.96	1.11	—	11,420	11,420	0.29	0.56	8.18	11,601
% Reduced	52%	82%	62%	-31%	3%	74%	—	9%	72%	—	25%	—	2%	2%	3%	< 0.5%	—	2%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.66	2.92	3.34	6.20	0.01	0.10	0.73	0.83	0.09	0.18	0.27	—	1,922	1,922	0.05	0.09	1.35	1,953
Mit.	0.32	0.53	1.28	8.10	0.01	0.03	0.73	0.75	0.03	0.18	0.20	—	1,891	1,891	0.05	0.09	1.35	1,921
% Reduced	52%	82%	62%	-31%	3%	74%	—	9%	72%	—	25%	—	2%	2%	3%	< 0.5%	—	2%
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	100	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	Yes	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	100	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

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

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

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	6.38	5.38	43.5	65.9	0.11	1.78	13.7	15.4	1.64	3.53	5.17	—	18,901	18,901	0.62	0.92	34.0	19,225
2026	5.78	4.95	27.6	63.0	0.11	0.83	6.52	7.36	0.77	1.59	2.36	—	18,694	18,694	0.61	0.92	31.1	19,015
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	5.63	4.77	29.9	49.6	0.11	0.92	6.52	7.44	0.85	1.59	2.43	—	18,025	18,025	0.63	0.92	0.88	18,317
2026	5.45	303	28.1	47.8	0.11	0.83	6.52	7.36	0.77	1.59	2.36	—	17,839	17,839	0.47	0.92	0.81	18,126
2027	0.46	303	1.21	4.84	< 0.005	0.02	1.04	1.06	0.02	0.24	0.26	—	1,099	1,099	0.02	0.04	0.09	1,111
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	2.71	2.31	15.0	24.8	0.05	0.50	3.60	4.10	0.46	0.89	1.35	—	7,982	7,982	0.28	0.36	5.67	8,101
2026	3.62	12.1	18.3	34.0	0.07	0.56	3.97	4.53	0.52	0.96	1.48	—	11,611	11,611	0.30	0.56	8.18	11,793
2027	0.03	16.0	0.06	0.31	< 0.005	< 0.005	0.05	0.06	< 0.005	0.01	0.01	—	61.5	61.5	< 0.005	< 0.005	0.08	62.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.50	0.42	2.73	4.52	0.01	0.09	0.66	0.75	0.08	0.16	0.25	—	1,321	1,321	0.05	0.06	0.94	1,341
2026	0.66	2.21	3.34	6.20	0.01	0.10	0.73	0.83	0.09	0.18	0.27	—	1,922	1,922	0.05	0.09	1.35	1,953
2027	< 0.005	2.92	0.01	0.06	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	10.2	10.2	< 0.005	< 0.005	0.01	10.3

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	3.27	3.01	11.1	81.0	0.11	0.22	13.7	13.9	0.22	3.53	3.74	—	18,590	18,590	0.61	0.92	34.0	18,913
2026	2.98	2.72	10.7	78.2	0.11	0.22	6.52	6.74	0.22	1.59	1.80	—	18,383	18,383	0.60	0.92	31.1	18,703

Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	2.74	2.47	11.6	64.7	0.11	0.22	6.52	6.74	0.22	1.59	1.80	—	17,715	17,715	0.62	0.92	0.88	18,005
2026	2.65	39.2	11.2	63.0	0.11	0.22	6.52	6.74	0.22	1.59	1.80	—	17,528	17,528	0.45	0.92	0.81	17,814
2027	0.32	39.2	0.38	3.72	0.00	0.00	1.04	1.04	0.00	0.24	0.24	—	967	967	0.01	0.04	0.09	979
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.18	1.08	4.81	31.7	0.05	0.10	3.60	3.70	0.10	0.89	0.99	—	7,863	7,863	0.27	0.36	5.67	7,982
2026	1.75	2.90	7.03	44.4	0.07	0.15	3.97	4.12	0.15	0.96	1.11	—	11,420	11,420	0.29	0.56	8.18	11,601
2027	0.02	2.07	0.02	0.25	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	54.6	54.6	< 0.005	< 0.005	0.08	55.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.22	0.20	0.88	5.78	0.01	0.02	0.66	0.68	0.02	0.16	0.18	—	1,302	1,302	0.04	0.06	0.94	1,321
2026	0.32	0.53	1.28	8.10	0.01	0.03	0.73	0.75	0.03	0.18	0.20	—	1,891	1,891	0.05	0.09	1.35	1,921
2027	< 0.005	0.38	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.04	9.04	< 0.005	< 0.005	0.01	9.15

3. Construction Emissions Details

3.1. Site Preparation (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.21	5.22	43.3	42.8	0.10	1.78	—	1.78	1.64	—	1.64	—	10,984	10,984	0.45	0.09	—	11,021

Dust From Material Movement	—	—	—	—	—	—	5.11	5.11	—	2.63	2.63	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.51	0.43	3.56	3.52	0.01	0.15	—	0.15	0.13	—	0.13	—	903	903	0.04	0.01	—	906
Dust From Material Movement	—	—	—	—	—	—	0.42	0.42	—	0.22	0.22	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.65	0.64	< 0.005	0.03	—	0.03	0.02	—	0.02	—	149	149	0.01	< 0.005	—	150
Dust From Material Movement	—	—	—	—	—	—	0.08	0.08	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.16	0.16	2.86	0.00	0.00	8.56	8.56	0.00	0.91	0.91	—	446	446	0.02	0.01	1.54	452
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.17	0.00	0.00	0.69	0.69	0.00	0.07	0.07	—	33.3	33.3	< 0.005	< 0.005	0.05	33.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.13	0.13	0.00	0.01	0.01	—	5.51	5.51	< 0.005	< 0.005	0.01	5.59
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.2. Site Preparation (2025) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.04	1.04	5.39	56.3	0.10	0.21	—	0.21	0.21	—	0.21	—	10,984	10,984	0.45	0.09	—	11,021
Dust From Material Movement	—	—	—	—	—	—	5.11	5.11	—	2.63	2.63	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.09	0.44	4.63	0.01	0.02	—	0.02	0.02	—	0.02	—	903	903	0.04	0.01	—	906
Dust From Material Movement	—	—	—	—	—	—	0.42	0.42	—	0.22	0.22	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.08	0.84	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	149	149	0.01	< 0.005	—	150
Dust From Material Movement	—	—	—	—	—	—	0.08	0.08	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.16	0.16	2.86	0.00	0.00	8.56	8.56	0.00	0.91	0.91	—	446	446	0.02	0.01	1.54	452
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.17	0.00	0.00	0.69	0.69	0.00	0.07	0.07	—	33.3	33.3	< 0.005	< 0.005	0.05	33.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.13	0.13	0.00	0.01	0.01	—	5.51	5.51	< 0.005	< 0.005	0.01	5.59
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Building Construction (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.62	3.04	22.1	25.7	0.08	0.85	—	0.85	0.78	—	0.78	—	8,086	8,086	0.33	0.07	—	8,114
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.62	3.04	22.1	25.7	0.08	0.85	—	0.85	0.78	—	0.78	—	8,086	8,086	0.33	0.07	—	8,114
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.39	1.16	8.49	9.85	0.03	0.32	—	0.32	0.30	—	0.30	—	3,101	3,101	0.13	0.03	—	3,112
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.25	0.21	1.55	1.80	0.01	0.06	—	0.06	0.05	—	0.05	—	513	513	0.02	< 0.005	—	515
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.28	2.09	2.08	37.9	0.00	0.00	5.20	5.20	0.00	1.22	1.22	—	5,905	5,905	0.23	0.20	20.4	5,990
Vendor	0.26	0.19	5.18	2.30	0.04	0.07	1.33	1.40	0.07	0.37	0.44	—	4,911	4,911	0.06	0.66	13.5	5,122
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.78	1.57	2.24	21.5	0.00	0.00	5.20	5.20	0.00	1.22	1.22	—	5,024	5,024	0.24	0.20	0.53	5,089
Vendor	0.23	0.17	5.57	2.35	0.04	0.07	1.33	1.40	0.07	0.37	0.44	—	4,915	4,915	0.06	0.66	0.35	5,114
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.71	0.64	0.79	10.3	0.00	0.00	1.98	1.98	0.00	0.46	0.46	—	2,060	2,060	0.09	0.07	3.38	2,087
Vendor	0.09	0.07	2.10	0.89	0.01	0.03	0.51	0.53	0.03	0.14	0.17	—	1,884	1,884	0.02	0.25	2.24	1,962
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.14	1.89	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	341	341	0.01	0.01	0.56	346
Vendor	0.02	0.01	0.38	0.16	< 0.005	< 0.005	0.09	0.10	< 0.005	0.03	0.03	—	312	312	< 0.005	0.04	0.37	325
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Building Construction (2025) - Mitigated

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

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

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	0.74	3.82	40.8	0.07	0.15	—	0.15	0.15	—	0.15	—	7,775	7,775	0.32	0.06	—	7,801
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	0.74	3.82	40.8	0.07	0.15	—	0.15	0.15	—	0.15	—	7,775	7,775	0.32	0.06	—	7,801
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.28	1.47	15.6	0.03	0.06	—	0.06	0.06	—	0.06	—	2,982	2,982	0.12	0.02	—	2,992
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.27	2.85	0.01	0.01	—	0.01	0.01	—	0.01	—	494	494	0.02	< 0.005	—	495
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.28	2.09	2.08	37.9	0.00	0.00	5.20	5.20	0.00	1.22	1.22	—	5,905	5,905	0.23	0.20	20.4	5,990
Vendor	0.26	0.19	5.18	2.30	0.04	0.07	1.33	1.40	0.07	0.37	0.44	—	4,911	4,911	0.06	0.66	13.5	5,122
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.78	1.57	2.24	21.5	0.00	0.00	5.20	5.20	0.00	1.22	1.22	—	5,024	5,024	0.24	0.20	0.53	5,089
Vendor	0.23	0.17	5.57	2.35	0.04	0.07	1.33	1.40	0.07	0.37	0.44	—	4,915	4,915	0.06	0.66	0.35	5,114
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.71	0.64	0.79	10.3	0.00	0.00	1.98	1.98	0.00	0.46	0.46	—	2,060	2,060	0.09	0.07	3.38	2,087
Vendor	0.09	0.07	2.10	0.89	0.01	0.03	0.51	0.53	0.03	0.14	0.17	—	1,884	1,884	0.02	0.25	2.24	1,962
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.14	1.89	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	341	341	0.01	0.01	0.56	346
Vendor	0.02	0.01	0.38	0.16	< 0.005	< 0.005	0.09	0.10	< 0.005	0.03	0.03	—	312	312	< 0.005	0.04	0.37	325
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Building Construction (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.53	2.96	20.7	25.6	0.08	0.76	—	0.76	0.70	—	0.70	—	8,092	8,092	0.33	0.07	—	8,120
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	3.53	2.96	20.7	25.6	0.08	0.76	—	0.76	0.70	—	0.70	—	8,092	8,092	0.33	0.07	—	8,120
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.13	1.79	12.5	15.5	0.05	0.46	—	0.46	0.42	—	0.42	—	4,877	4,877	0.20	0.04	—	4,894
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.39	0.33	2.28	2.82	0.01	0.08	—	0.08	0.08	—	0.08	—	807	807	0.03	0.01	—	810
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.99	1.81	1.90	35.2	0.00	0.00	5.20	5.20	0.00	1.22	1.22	—	5,781	5,781	0.22	0.20	18.5	5,863
Vendor	0.25	0.18	4.96	2.15	0.04	0.07	1.33	1.40	0.07	0.37	0.44	—	4,821	4,821	0.06	0.66	12.6	5,032
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.69	1.49	2.06	20.0	0.00	0.00	5.20	5.20	0.00	1.22	1.22	—	4,921	4,921	0.08	0.20	0.48	4,982
Vendor	0.23	0.17	5.34	2.23	0.04	0.07	1.33	1.40	0.07	0.37	0.44	—	4,826	4,826	0.06	0.66	0.33	5,024
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.06	0.95	1.14	15.0	0.00	0.00	3.12	3.12	0.00	0.73	0.73	—	3,170	3,170	0.04	0.11	4.81	3,210
Vendor	0.15	0.10	3.14	1.31	0.02	0.04	0.80	0.84	0.04	0.22	0.26	—	2,907	2,907	0.04	0.40	3.28	3,030

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.17	0.21	2.75	0.00	0.00	0.57	0.57	0.00	0.13	0.13	—	525	525	0.01	0.02	0.80	531
Vendor	0.03	0.02	0.57	0.24	< 0.005	0.01	0.15	0.15	0.01	0.04	0.05	—	481	481	0.01	0.07	0.54	502
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. 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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	0.74	3.82	40.8	0.07	0.15	—	0.15	0.15	—	0.15	—	7,780	7,780	0.32	0.06	—	7,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	0.74	3.82	40.8	0.07	0.15	—	0.15	0.15	—	0.15	—	7,780	7,780	0.32	0.06	—	7,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	0.44	2.31	24.6	0.04	0.09	—	0.09	0.09	—	0.09	—	4,690	4,690	0.19	0.04	—	4,706
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.08	0.08	0.42	4.49	0.01	0.02	—	0.02	0.02	—	0.02	—	776	776	0.03	0.01	—	779
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.99	1.81	1.90	35.2	0.00	0.00	5.20	5.20	0.00	1.22	1.22	—	5,781	5,781	0.22	0.20	18.5	5,863
Vendor	0.25	0.18	4.96	2.15	0.04	0.07	1.33	1.40	0.07	0.37	0.44	—	4,821	4,821	0.06	0.66	12.6	5,032
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.69	1.49	2.06	20.0	0.00	0.00	5.20	5.20	0.00	1.22	1.22	—	4,921	4,921	0.08	0.20	0.48	4,982
Vendor	0.23	0.17	5.34	2.23	0.04	0.07	1.33	1.40	0.07	0.37	0.44	—	4,826	4,826	0.06	0.66	0.33	5,024
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.06	0.95	1.14	15.0	0.00	0.00	3.12	3.12	0.00	0.73	0.73	—	3,170	3,170	0.04	0.11	4.81	3,210
Vendor	0.15	0.10	3.14	1.31	0.02	0.04	0.80	0.84	0.04	0.22	0.26	—	2,907	2,907	0.04	0.40	3.28	3,030
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.17	0.21	2.75	0.00	0.00	0.57	0.57	0.00	0.13	0.13	—	525	525	0.01	0.02	0.80	531
Vendor	0.03	0.02	0.57	0.24	< 0.005	0.01	0.15	0.15	0.01	0.04	0.05	—	481	481	0.01	0.07	0.54	502
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Paving (2026) - Unmitigated

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

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

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.16	2.65	18.0	22.6	0.07	0.70	—	0.70	0.65	—	0.65	—	7,205	7,205	0.29	0.06	—	7,230
Paving	—	2.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	0.22	1.48	1.86	0.01	0.06	—	0.06	0.05	—	0.05	—	592	592	0.02	< 0.005	—	594
Paving	—	0.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.27	0.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	98.0	98.0	< 0.005	< 0.005	—	98.4
Paving	—	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.10	0.14	1.38	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	340	340	0.01	0.01	0.03	345

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.14	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	29.9	29.9	< 0.005	< 0.005	0.05	30.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.95	4.95	< 0.005	< 0.005	0.01	5.01
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Paving (2026) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.97	0.92	5.15	38.6	0.07	0.21	—	0.21	0.20	—	0.20	—	7,205	7,205	0.29	0.06	—	7,230
Paving	—	2.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.08	0.08	0.42	3.17	0.01	0.02	—	0.02	0.02	—	0.02	—	592	592	0.02	< 0.005	—	594
Paving	—	0.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.58	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	98.0	98.0	< 0.005	< 0.005	—	98.4
Paving	—	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.10	0.14	1.38	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	340	340	0.01	0.01	0.03	345
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.14	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	29.9	29.9	< 0.005	< 0.005	0.05	30.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.95	4.95	< 0.005	< 0.005	0.01	5.01
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Architectural Coating (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	302	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.92	3.92	< 0.005	< 0.005	—	3.93
Architectural Coatings	—	8.87	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.65	0.65	< 0.005	< 0.005	—	0.65
Architectural Coatings	—	1.62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.34	0.30	0.41	3.99	0.00	0.00	1.04	1.04	0.00	0.24	0.24	—	984	984	0.02	0.04	0.10	996
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	30.9	30.9	< 0.005	< 0.005	0.05	31.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.11	5.11	< 0.005	< 0.005	0.01	5.18
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Architectural Coating (2026) - Mitigated

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

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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	38.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	1.14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	0.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.34	0.30	0.41	3.99	0.00	0.00	1.04	1.04	0.00	0.24	0.24	—	984	984	0.02	0.04	0.10	996

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	30.9	30.9	< 0.005	< 0.005	0.05	31.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.11	5.11	< 0.005	< 0.005	0.01	5.18
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	0.83	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	302	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.01	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.05	7.05	< 0.005	< 0.005	—	7.08
Architectural Coatings	—	16.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.17	1.17	< 0.005	< 0.005	—	1.17
Architectural Coatings	—	2.91	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.32	0.28	0.38	3.72	0.00	0.00	1.04	1.04	0.00	0.24	0.24	—	965	965	0.01	0.04	0.09	977
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.25	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	54.5	54.5	< 0.005	< 0.005	0.08	55.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.02	9.02	< 0.005	< 0.005	0.01	9.14

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. 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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	38.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
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	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Architect Coatings	—	0.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.32	0.28	0.38	3.72	0.00	0.00	1.04	1.04	0.00	0.24	0.24	—	965	965	0.01	0.04	0.09	977
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.25	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	54.5	54.5	< 0.005	< 0.005	0.08	55.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.02	9.02	< 0.005	< 0.005	0.01	9.14
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	5/8/2025	6/18/2025	5.00	30.0	—

Building Construction	Building Construction	6/19/2025	11/4/2026	5.00	360	—
Paving	Paving	11/5/2026	12/16/2026	5.00	30.0	—
Architectural Coating	Architectural Coating	12/17/2026	1/27/2027	5.00	30.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Site Preparation	Off-Highway Trucks	Diesel	Average	5.00	6.83	376	0.38
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Off-Highway Trucks	Diesel	Average	5.00	6.83	376	0.38
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Paving	Off-Highway Trucks	Diesel	Average	5.00	6.83	376	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Final	3.00	8.00	367	0.40

Site Preparation	Tractors/Loaders/Backh	Diesel	Tier 4 Final	4.00	8.00	84.0	0.37
Site Preparation	Off-Highway Trucks	Diesel	Tier 4 Final	5.00	6.83	376	0.38
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Electric	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	7.00	84.0	0.37
Building Construction	Welders	Electric	Average	1.00	8.00	46.0	0.45
Building Construction	Off-Highway Trucks	Diesel	Tier 4 Final	5.00	6.83	376	0.38
Paving	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Paving	Off-Highway Trucks	Diesel	Tier 4 Final	5.00	6.83	376	0.38
Architectural Coating	Air Compressors	Electric	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	30.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	398	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	155	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT

Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	27.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	79.5	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	30.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	398	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	155	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	27.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT

Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	79.5	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

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	1,420,020	473,340	62,252

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 (sq. ft.)	Acres Paved (acres)
Site Preparation	0.00	0.00	45.0	0.00	—
Paving	0.00	0.00	0.00	0.00	23.8

5.6.2. Construction Earthmoving Control Strategies

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

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Unrefrigerated Warehouse-No Rail	0.00	0%
Parking Lot	23.8	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	457	0.03	< 0.005
2026	0.00	457	0.03	< 0.005
2027	0.00	457	0.03	< 0.005

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Removed demolition phase to reflect project conditions.
Construction: Off-Road Equipment	Excavator hp increased to reflect project conditions. Water trucks added to site preparation, building construction, and paving phases.
Land Use	Land use values adjusted based on site plan.
Construction: On-Road Fugitive Dust	Assuming 1% of travel occurs on unpaved roads during the site preparation and grading phrases to account for site conditions.

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	06 MBS PA1 Northwest Residential
Construction Start Date	5/8/2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	7.60
Location	33.742889, -116.246638
County	Riverside-Salton Sea
City	Indio
Air District	South Coast AQMD
Air Basin	Salton Sea
TAZ	5657
EDFZ	19
Electric Utility	Imperial Irrigation District
Gas Utility	Southern California Gas
App Version	2022.1.1.20

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
Apartments Low Rise	1,215	Dwelling Unit	6.69	1,166,400	0.00	0.00	3,924	—

Parking Lot	23.9	Acre	23.9	0.00	300,067	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-1-A	Use Electric or Hybrid Powered Equipment
Construction	C-5	Use Advanced Engine Tiers
Construction	C-13	Use Low-VOC Paints for Construction

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.10	254	39.6	107	0.09	1.64	12.5	13.9	1.51	3.38	4.89	—	23,316	23,316	0.81	1.04	56.3	23,701
Mit.	5.79	59.1	11.8	117	0.09	0.17	12.5	12.7	0.17	3.38	3.55	—	23,005	23,005	0.80	1.03	56.3	23,390
% Reduced	29%	77%	70%	-9%	5%	90%	—	8%	89%	—	27%	—	1%	1%	2%	< 0.5%	—	1%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.97	6.00	27.9	70.9	0.09	0.77	12.5	13.3	0.71	2.99	3.70	—	21,383	21,383	0.83	1.04	1.46	21,714
Mit.	4.66	4.15	12.5	80.9	0.09	0.17	12.5	12.7	0.17	2.99	3.16	—	21,072	21,072	0.82	1.03	1.46	21,402
% Reduced	33%	31%	55%	-14%	5%	78%	—	4%	76%	—	15%	—	1%	1%	2%	< 0.5%	—	1%

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.91	22.6	18.3	55.9	0.06	0.50	8.92	9.41	0.46	2.12	2.58	—	15,591	15,591	0.35	0.73	15.8	15,832
Mit.	3.32	6.06	8.15	63.1	0.06	0.12	8.92	9.04	0.12	2.12	2.24	—	15,369	15,369	0.35	0.72	15.8	15,609
% Reduced	32%	73%	56%	-13%	5%	75%	—	4%	74%	—	13%	—	1%	1%	1%	< 0.5%	—	1%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.90	4.13	3.35	10.2	0.01	0.09	1.63	1.72	0.08	0.39	0.47	—	2,581	2,581	0.06	0.12	2.61	2,621
Mit.	0.61	1.11	1.49	11.5	0.01	0.02	1.63	1.65	0.02	0.39	0.41	—	2,545	2,545	0.06	0.12	2.61	2,584
% Reduced	32%	73%	56%	-13%	5%	75%	—	4%	74%	—	13%	—	1%	1%	1%	< 0.5%	—	1%
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	100	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	Yes	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	100	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

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

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

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	8.10	7.16	39.6	107	0.09	1.64	12.5	13.9	1.51	3.38	4.89	—	23,316	23,316	0.81	1.04	56.3	23,701
2026	7.39	6.47	25.5	101	0.09	0.69	12.5	13.2	0.64	2.99	3.63	—	22,972	22,972	0.79	1.04	51.2	23,352
2027	7.13	254	24.1	95.3	0.09	0.64	12.5	13.2	0.59	2.99	3.58	—	22,629	22,629	0.44	0.99	46.5	22,980
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	6.97	6.00	27.9	70.9	0.09	0.77	12.5	13.3	0.71	2.99	3.70	—	21,383	21,383	0.83	1.04	1.46	21,714
2026	6.70	5.76	26.2	67.3	0.09	0.69	12.5	13.2	0.64	2.99	3.63	—	21,085	21,085	0.48	1.04	1.33	21,407
2027	6.50	5.56	24.8	64.1	0.09	0.64	12.5	13.2	0.59	2.99	3.58	—	20,784	20,784	0.46	0.99	1.21	21,091
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	3.25	2.81	13.4	36.2	0.04	0.41	5.79	6.20	0.38	1.41	1.78	—	9,618	9,618	0.35	0.42	10.0	9,763
2026	4.91	4.24	18.3	55.9	0.06	0.50	8.92	9.41	0.46	2.12	2.58	—	15,591	15,591	0.33	0.73	15.8	15,832
2027	1.91	22.6	7.22	20.8	0.03	0.20	3.27	3.47	0.19	0.78	0.96	—	5,921	5,921	0.13	0.25	5.21	6,005
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.59	0.51	2.45	6.61	0.01	0.07	1.06	1.13	0.07	0.26	0.33	—	1,592	1,592	0.06	0.07	1.66	1,616
2026	0.90	0.77	3.35	10.2	0.01	0.09	1.63	1.72	0.08	0.39	0.47	—	2,581	2,581	0.05	0.12	2.61	2,621
2027	0.35	4.13	1.32	3.79	< 0.005	0.04	0.60	0.63	0.03	0.14	0.18	—	980	980	0.02	0.04	0.86	994

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	5.79	5.31	11.8	117	0.09	0.17	12.5	12.7	0.17	3.38	3.55	—	23,005	23,005	0.80	1.03	56.3	23,390
2026	5.16	4.68	11.2	111	0.09	0.17	12.5	12.7	0.17	2.99	3.16	—	22,661	22,661	0.78	1.03	51.2	23,040

2027	4.94	59.1	10.7	105	0.08	0.17	12.5	12.7	0.17	2.99	3.16	—	22,318	22,318	0.42	0.98	46.5	22,669
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	4.66	4.15	12.5	80.9	0.09	0.17	12.5	12.7	0.17	2.99	3.16	—	21,072	21,072	0.82	1.03	1.46	21,402
2026	4.46	3.98	11.9	77.4	0.09	0.17	12.5	12.7	0.17	2.99	3.16	—	20,774	20,774	0.46	1.03	1.33	21,095
2027	4.31	3.82	11.3	74.3	0.09	0.17	12.5	12.7	0.17	2.99	3.16	—	20,474	20,474	0.44	0.98	1.21	20,779
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	2.04	1.84	5.19	40.8	0.04	0.08	5.79	5.87	0.08	1.41	1.49	—	9,490	9,490	0.35	0.42	10.0	9,634
2026	3.32	2.97	8.15	63.1	0.06	0.12	8.92	9.04	0.12	2.12	2.24	—	15,369	15,369	0.32	0.72	15.8	15,609
2027	1.23	6.06	3.06	24.1	0.03	0.06	3.27	3.32	0.05	0.78	0.83	—	5,835	5,835	0.12	0.25	5.21	5,918
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.37	0.34	0.95	7.45	0.01	0.01	1.06	1.07	0.01	0.26	0.27	—	1,571	1,571	0.06	0.07	1.66	1,595
2026	0.61	0.54	1.49	11.5	0.01	0.02	1.63	1.65	0.02	0.39	0.41	—	2,545	2,545	0.05	0.12	2.61	2,584
2027	0.22	1.11	0.56	4.39	< 0.005	0.01	0.60	0.61	0.01	0.14	0.15	—	966	966	0.02	0.04	0.86	980

3. Construction Emissions Details

3.1. Site Preparation (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.46	4.59	39.5	38.7	0.08	1.64	—	1.64	1.51	—	1.51	—	9,112	9,112	0.37	0.07	—	9,144

Dust From Material Movement	—	—	—	—	—	—	5.11	5.11	—	2.63	2.63	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	0.25	2.16	2.12	< 0.005	0.09	—	0.09	0.08	—	0.08	—	499	499	0.02	< 0.005	—	501
Dust From Material Movement	—	—	—	—	—	—	0.28	0.28	—	0.14	0.14	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.39	0.39	< 0.005	0.02	—	0.02	0.02	—	0.02	—	82.7	82.7	< 0.005	< 0.005	—	83.0
Dust From Material Movement	—	—	—	—	—	—	0.05	0.05	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.13	0.13	2.38	0.00	0.00	7.13	7.13	0.00	0.76	0.76	—	371	371	0.01	0.01	1.28	377
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.38	0.38	0.00	0.04	0.04	—	18.5	18.5	< 0.005	< 0.005	0.03	18.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.07	0.07	0.00	0.01	0.01	—	3.06	3.06	< 0.005	< 0.005	0.01	3.10
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.2. Site Preparation (2025) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.86	0.86	4.47	47.1	0.08	0.17	—	0.17	0.17	—	0.17	—	9,112	9,112	0.37	0.07	—	9,144
Dust From Material Movement	—	—	—	—	—	—	5.11	5.11	—	2.63	2.63	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.24	2.58	< 0.005	0.01	—	0.01	0.01	—	0.01	—	499	499	0.02	< 0.005	—	501
Dust From Material Movement	—	—	—	—	—	—	0.28	0.28	—	0.14	0.14	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.04	0.47	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	82.7	82.7	< 0.005	< 0.005	—	83.0
Dust From Material Movement	—	—	—	—	—	—	0.05	0.05	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.13	0.13	2.38	0.00	0.00	7.13	7.13	0.00	0.76	0.76	—	371	371	0.01	0.01	1.28	377
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.38	0.38	0.00	0.04	0.04	—	18.5	18.5	< 0.005	< 0.005	0.03	18.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.07	0.07	0.00	0.01	0.01	—	3.06	3.06	< 0.005	< 0.005	0.01	3.10
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Building Construction (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.87	2.41	18.3	21.5	0.06	0.71	—	0.71	0.65	—	0.65	—	6,215	6,215	0.25	0.05	—	6,236
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.87	2.41	18.3	21.5	0.06	0.71	—	0.71	0.65	—	0.65	—	6,215	6,215	0.25	0.05	—	6,236
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18	0.99	7.51	8.84	0.02	0.29	—	0.29	0.27	—	0.27	—	2,554	2,554	0.10	0.02	—	2,563
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.22	0.18	1.37	1.61	< 0.005	0.05	—	0.05	0.05	—	0.05	—	423	423	0.02	< 0.005	—	424
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.01	4.60	4.58	83.4	0.00	0.00	11.4	11.4	0.00	2.68	2.68	—	12,991	12,991	0.51	0.43	44.9	13,178
Vendor	0.21	0.16	4.34	1.92	0.03	0.06	1.11	1.17	0.06	0.31	0.37	—	4,110	4,110	0.05	0.55	11.3	4,287
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.91	3.45	4.94	47.4	0.00	0.00	11.4	11.4	0.00	2.68	2.68	—	11,053	11,053	0.53	0.43	1.16	11,197
Vendor	0.19	0.14	4.66	1.96	0.03	0.06	1.11	1.17	0.06	0.31	0.37	—	4,115	4,115	0.05	0.55	0.29	4,280
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.68	1.50	1.87	24.4	0.00	0.00	4.68	4.68	0.00	1.10	1.10	—	4,856	4,856	0.21	0.17	7.97	4,920
Vendor	0.08	0.06	1.88	0.80	0.01	0.02	0.45	0.48	0.02	0.13	0.15	—	1,690	1,690	0.02	0.23	2.01	1,760
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.31	0.27	0.34	4.45	0.00	0.00	0.85	0.85	0.00	0.20	0.20	—	804	804	0.03	0.03	1.32	815
Vendor	0.02	0.01	0.34	0.15	< 0.005	< 0.005	0.08	0.09	< 0.005	0.02	0.03	—	280	280	< 0.005	0.04	0.33	291
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Building Construction (2025) - Mitigated

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

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

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.56	0.56	2.90	31.6	0.05	0.11	—	0.11	0.11	—	0.11	—	5,903	5,903	0.24	0.05	—	5,924
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.56	0.56	2.90	31.6	0.05	0.11	—	0.11	0.11	—	0.11	—	5,903	5,903	0.24	0.05	—	5,924
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	1.19	13.0	0.02	0.05	—	0.05	0.05	—	0.05	—	2,426	2,426	0.10	0.02	—	2,434
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.22	2.37	< 0.005	0.01	—	0.01	0.01	—	0.01	—	402	402	0.02	< 0.005	—	403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.01	4.60	4.58	83.4	0.00	0.00	11.4	11.4	0.00	2.68	2.68	—	12,991	12,991	0.51	0.43	44.9	13,178
Vendor	0.21	0.16	4.34	1.92	0.03	0.06	1.11	1.17	0.06	0.31	0.37	—	4,110	4,110	0.05	0.55	11.3	4,287
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.91	3.45	4.94	47.4	0.00	0.00	11.4	11.4	0.00	2.68	2.68	—	11,053	11,053	0.53	0.43	1.16	11,197
Vendor	0.19	0.14	4.66	1.96	0.03	0.06	1.11	1.17	0.06	0.31	0.37	—	4,115	4,115	0.05	0.55	0.29	4,280
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.68	1.50	1.87	24.4	0.00	0.00	4.68	4.68	0.00	1.10	1.10	—	4,856	4,856	0.21	0.17	7.97	4,920
Vendor	0.08	0.06	1.88	0.80	0.01	0.02	0.45	0.48	0.02	0.13	0.15	—	1,690	1,690	0.02	0.23	2.01	1,760
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.31	0.27	0.34	4.45	0.00	0.00	0.85	0.85	0.00	0.20	0.20	—	804	804	0.03	0.03	1.32	815
Vendor	0.02	0.01	0.34	0.15	< 0.005	< 0.005	0.08	0.09	< 0.005	0.02	0.03	—	280	280	< 0.005	0.04	0.33	291
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Building Construction (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.79	2.34	17.2	21.5	0.06	0.64	—	0.64	0.58	—	0.58	—	6,219	6,219	0.25	0.05	—	6,240
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	2.79	2.34	17.2	21.5	0.06	0.64	—	0.64	0.58	—	0.58	—	6,219	6,219	0.25	0.05	—	6,240
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.99	1.67	12.3	15.3	0.04	0.45	—	0.45	0.42	—	0.42	—	4,442	4,442	0.18	0.04	—	4,457
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	0.31	2.24	2.80	0.01	0.08	—	0.08	0.08	—	0.08	—	735	735	0.03	0.01	—	738
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.39	3.97	4.19	77.5	0.00	0.00	11.4	11.4	0.00	2.68	2.68	—	12,718	12,718	0.49	0.43	40.7	12,900
Vendor	0.21	0.15	4.15	1.80	0.03	0.06	1.11	1.17	0.06	0.31	0.37	—	4,036	4,036	0.05	0.55	10.6	4,212
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.71	3.28	4.54	43.9	0.00	0.00	11.4	11.4	0.00	2.68	2.68	—	10,827	10,827	0.17	0.43	1.06	10,962
Vendor	0.19	0.14	4.47	1.86	0.03	0.06	1.11	1.17	0.06	0.31	0.37	—	4,040	4,040	0.05	0.55	0.27	4,206
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.78	2.47	2.96	39.2	0.00	0.00	8.13	8.13	0.00	1.90	1.90	—	8,266	8,266	0.11	0.30	12.5	8,369
Vendor	0.14	0.10	3.12	1.30	0.02	0.04	0.79	0.83	0.04	0.22	0.26	—	2,884	2,884	0.04	0.39	3.25	3,005

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.51	0.45	0.54	7.16	0.00	0.00	1.48	1.48	0.00	0.35	0.35	—	1,368	1,368	0.02	0.05	2.08	1,386
Vendor	0.03	0.02	0.57	0.24	< 0.005	0.01	0.14	0.15	0.01	0.04	0.05	—	477	477	0.01	0.07	0.54	498
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. 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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.56	0.56	2.90	31.6	0.05	0.11	—	0.11	0.11	—	0.11	—	5,907	5,907	0.24	0.05	—	5,928
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.56	0.56	2.90	31.6	0.05	0.11	—	0.11	0.11	—	0.11	—	5,907	5,907	0.24	0.05	—	5,928
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	2.07	22.6	0.04	0.08	—	0.08	0.08	—	0.08	—	4,219	4,219	0.17	0.03	—	4,234
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.07	0.07	0.38	4.12	0.01	0.01	—	0.01	0.01	—	0.01	—	699	699	0.03	0.01	—	701
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.39	3.97	4.19	77.5	0.00	0.00	11.4	11.4	0.00	2.68	2.68	—	12,718	12,718	0.49	0.43	40.7	12,900
Vendor	0.21	0.15	4.15	1.80	0.03	0.06	1.11	1.17	0.06	0.31	0.37	—	4,036	4,036	0.05	0.55	10.6	4,212
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.71	3.28	4.54	43.9	0.00	0.00	11.4	11.4	0.00	2.68	2.68	—	10,827	10,827	0.17	0.43	1.06	10,962
Vendor	0.19	0.14	4.47	1.86	0.03	0.06	1.11	1.17	0.06	0.31	0.37	—	4,040	4,040	0.05	0.55	0.27	4,206
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.78	2.47	2.96	39.2	0.00	0.00	8.13	8.13	0.00	1.90	1.90	—	8,266	8,266	0.11	0.30	12.5	8,369
Vendor	0.14	0.10	3.12	1.30	0.02	0.04	0.79	0.83	0.04	0.22	0.26	—	2,884	2,884	0.04	0.39	3.25	3,005
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.51	0.45	0.54	7.16	0.00	0.00	1.48	1.48	0.00	0.35	0.35	—	1,368	1,368	0.02	0.05	2.08	1,386
Vendor	0.03	0.02	0.57	0.24	< 0.005	0.01	0.14	0.15	0.01	0.04	0.05	—	477	477	0.01	0.07	0.54	498
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2027) - Unmitigated

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

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

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.75	2.30	16.4	21.4	0.06	0.58	—	0.58	0.54	—	0.54	—	6,217	6,217	0.25	0.05	—	6,239
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.75	2.30	16.4	21.4	0.06	0.58	—	0.58	0.54	—	0.54	—	6,217	6,217	0.25	0.05	—	6,239
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	0.56	4.00	5.25	0.01	0.14	—	0.14	0.13	—	0.13	—	1,521	1,521	0.06	0.01	—	1,526
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.73	0.96	< 0.005	0.03	—	0.03	0.02	—	0.02	—	252	252	0.01	< 0.005	—	253
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.18	3.76	3.79	72.1	0.00	0.00	11.4	11.4	0.00	2.68	2.68	—	12,465	12,465	0.14	0.41	36.7	12,629
Vendor	0.21	0.15	3.96	1.73	0.03	0.06	1.11	1.17	0.06	0.31	0.37	—	3,946	3,946	0.05	0.52	9.77	4,113
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.56	3.12	4.15	40.9	0.00	0.00	11.4	11.4	0.00	2.68	2.68	—	10,617	10,617	0.15	0.41	0.95	10,745
Vendor	0.19	0.14	4.26	1.77	0.03	0.06	1.11	1.17	0.06	0.31	0.37	—	3,950	3,950	0.05	0.52	0.25	4,107
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.91	0.81	0.92	12.5	0.00	0.00	2.78	2.78	0.00	0.65	0.65	—	2,775	2,775	0.03	0.10	3.88	2,810
Vendor	0.05	0.04	1.01	0.42	0.01	0.01	0.27	0.29	0.01	0.07	0.09	—	966	966	0.01	0.13	1.03	1,005
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.15	0.17	2.29	0.00	0.00	0.51	0.51	0.00	0.12	0.12	—	459	459	0.01	0.02	0.64	465
Vendor	0.01	0.01	0.19	0.08	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	160	160	< 0.005	0.02	0.17	166
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. 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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.56	0.56	2.90	31.6	0.05	0.11	—	0.11	0.11	—	0.11	—	5,906	5,906	0.24	0.05	—	5,926
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.56	0.56	2.90	31.6	0.05	0.11	—	0.11	0.11	—	0.11	—	5,906	5,906	0.24	0.05	—	5,926
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.14	0.71	7.73	0.01	0.03	—	0.03	0.03	—	0.03	—	1,445	1,445	0.06	0.01	—	1,450
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.13	1.41	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	239	239	0.01	< 0.005	—	240
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.18	3.76	3.79	72.1	0.00	0.00	11.4	11.4	0.00	2.68	2.68	—	12,465	12,465	0.14	0.41	36.7	12,629
Vendor	0.21	0.15	3.96	1.73	0.03	0.06	1.11	1.17	0.06	0.31	0.37	—	3,946	3,946	0.05	0.52	9.77	4,113
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.56	3.12	4.15	40.9	0.00	0.00	11.4	11.4	0.00	2.68	2.68	—	10,617	10,617	0.15	0.41	0.95	10,745
Vendor	0.19	0.14	4.26	1.77	0.03	0.06	1.11	1.17	0.06	0.31	0.37	—	3,950	3,950	0.05	0.52	0.25	4,107
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.91	0.81	0.92	12.5	0.00	0.00	2.78	2.78	0.00	0.65	0.65	—	2,775	2,775	0.03	0.10	3.88	2,810
Vendor	0.05	0.04	1.01	0.42	0.01	0.01	0.27	0.29	0.01	0.07	0.09	—	966	966	0.01	0.13	1.03	1,005

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.15	0.17	2.29	0.00	0.00	0.51	0.51	0.00	0.12	0.12	—	459	459	0.01	0.02	0.64	465
Vendor	0.01	0.01	0.19	0.08	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	160	160	< 0.005	0.02	0.17	166
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.39	2.01	13.9	18.5	0.05	0.54	—	0.54	0.50	—	0.50	—	5,331	5,331	0.22	0.04	—	5,350
Paving	—	2.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.17	1.14	1.52	< 0.005	0.04	—	0.04	0.04	—	0.04	—	438	438	0.02	< 0.005	—	440
Paving	—	0.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.21	0.28	< 0.005	0.01	—	0.01	0.01	—	0.01	—	72.5	72.5	< 0.005	< 0.005	—	72.8

Paving	—	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.10	1.85	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	321	321	< 0.005	0.01	0.94	325
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	24.0	24.0	< 0.005	< 0.005	0.03	24.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.97	3.97	< 0.005	< 0.005	0.01	4.02
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Paving (2027) - Mitigated

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

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

Off-Road Equipment	0.78	0.73	4.21	29.4	0.05	0.17	—	0.17	0.16	—	0.16	—	5,331	5,331	0.22	0.04	—	5,350
Paving	—	2.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	0.35	2.41	< 0.005	0.01	—	0.01	0.01	—	0.01	—	438	438	0.02	< 0.005	—	440
Paving	—	0.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.44	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	72.5	72.5	< 0.005	< 0.005	—	72.8
Paving	—	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.10	1.85	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	321	321	< 0.005	0.01	0.94	325
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	24.0	24.0	< 0.005	< 0.005	0.03	24.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.97	3.97	< 0.005	< 0.005	0.01	4.02
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	0.83	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	253	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.0	11.0	< 0.005	< 0.005	—	11.0
Architectural Coatings	—	20.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.82	1.82	< 0.005	< 0.005	—	1.82
Architectural Coatings	—	3.79	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.84	0.75	0.76	14.4	0.00	0.00	2.29	2.29	0.00	0.54	0.54	—	2,493	2,493	0.03	0.08	7.35	2,526
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.06	0.84	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	186	186	< 0.005	0.01	0.26	189
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	30.9	30.9	< 0.005	< 0.005	0.04	31.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. 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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	58.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	4.79	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	0.87	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.84	0.75	0.76	14.4	0.00	0.00	2.29	2.29	0.00	0.54	0.54	—	2,493	2,493	0.03	0.08	7.35	2,526
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.06	0.84	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	186	186	< 0.005	0.01	0.26	189
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	30.9	30.9	< 0.005	< 0.005	0.04	31.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	5/8/2025	6/4/2025	5.00	20.0	—
Building Construction	Building Construction	6/5/2025	5/5/2027	5.00	500	—
Paving	Paving	5/6/2027	6/16/2027	5.00	30.0	—
Architectural Coating	Architectural Coating	6/17/2027	7/28/2027	5.00	30.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Site Preparation	Off-Highway Trucks	Diesel	Average	3.00	7.64	376	0.38
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Off-Highway Trucks	Diesel	Average	3.00	7.64	376	0.38
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Paving	Off-Highway Trucks	Diesel	Average	3.00	7.64	376	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Final	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	4.00	8.00	84.0	0.37
Site Preparation	Off-Highway Trucks	Diesel	Tier 4 Final	3.00	7.64	376	0.38
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29

Building Construction	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Electric	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	7.00	84.0	0.37
Building Construction	Welders	Electric	Average	1.00	8.00	46.0	0.45
Building Construction	Off-Highway Trucks	Diesel	Tier 4 Final	3.00	7.64	376	0.38
Paving	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Paving	Off-Highway Trucks	Diesel	Tier 4 Final	3.00	7.64	376	0.38
Architectural Coating	Air Compressors	Electric	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	25.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	875	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	130	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	22.5	18.5	LDA,LDT1,LDT2

Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	175	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	25.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	875	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	130	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	22.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—

Architectural Coating	Worker	175	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

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	2,361,960	787,320	0.00	0.00	62,394

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 (sq. ft.)	Acres Paved (acres)
Site Preparation	0.00	0.00	30.0	0.00	—
Paving	0.00	0.00	0.00	0.00	23.9

5.6.2. Construction Earthmoving Control Strategies

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

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Low Rise	—	0%
Parking Lot	23.9	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	457	0.03	< 0.005
2026	0.00	457	0.03	< 0.005
2027	0.00	457	0.03	< 0.005

8. User Changes to Default Data

Screen	Justification
Land Use	Land use information adjusted based on site plan.
Construction: Construction Phases	Construction schedule updated with information from the project applicant.
Construction: Off-Road Equipment	Excavator hp increased to reflect project conditions. Water trucks added to site preparation, building construction, and paving phases.
Construction: On-Road Fugitive Dust	Assuming 1% of travel occurs on unpaved roads during the site preparation and grading phrases to account for site conditions.

07 MBS PA1 Northeast and PA2 Mixed-Use Custom Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	07 MBS PA1 Northeast and PA2 Mixed-Use
Construction Start Date	5/8/2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	7.60
Location	33.74274, -116.238658
County	Riverside-Salton Sea
City	Indio
Air District	South Coast AQMD
Air Basin	Salton Sea
TAZ	5657
EDFZ	19
Electric Utility	Imperial Irrigation District
Gas Utility	Southern California Gas
App Version	2022.1.1.20

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
Apartments Low Rise	1,620	Dwelling Unit	8.93	1,555,200	0.00	0.00	5,233	—

Parking Lot	27.8	Acre	27.8	0.00	149,808	0.00	—	—
Strip Mall	20.0	1000sqft	0.46	20,000	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-1-A	Use Electric or Hybrid Powered Equipment
Construction	C-5	Use Advanced Engine Tiers
Construction	C-13	Use Low-VOC Paints for Construction

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	10.2	188	41.3	138	0.11	1.70	16.8	17.7	1.57	4.01	5.02	—	30,040	30,040	1.04	1.39	75.6	30,555
Mit.	7.65	44.2	15.3	150	0.11	0.21	16.8	17.0	0.21	4.01	4.22	—	29,729	29,729	1.03	1.39	75.6	30,244
% Reduced	25%	76%	63%	-9%	4%	88%	—	4%	87%	—	16%	—	1%	1%	1%	< 0.5%	—	1%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.70	7.51	32.9	89.5	0.11	0.85	16.8	17.7	0.79	4.01	4.80	—	27,448	27,448	1.06	1.39	1.96	27,890
Mit.	6.14	5.46	16.3	102	0.11	0.21	16.8	17.0	0.21	4.01	4.22	—	27,137	27,137	1.05	1.39	1.96	27,578
% Reduced	29%	27%	51%	-14%	4%	76%	—	4%	74%	—	12%	—	1%	1%	1%	< 0.5%	—	1%

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.14	30.2	21.6	71.0	0.08	0.55	12.0	12.5	0.51	2.85	3.36	—	20,031	20,031	0.43	0.97	21.2	20,352
Mit.	4.37	8.02	10.6	79.8	0.08	0.15	12.0	12.1	0.15	2.85	3.00	—	19,809	19,809	0.43	0.97	21.2	20,129
% Reduced	29%	73%	51%	-12%	4%	73%	—	3%	71%	—	11%	—	1%	1%	1%	< 0.5%	—	1%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.12	5.51	3.94	13.0	0.01	0.10	2.18	2.29	0.09	0.52	0.61	—	3,316	3,316	0.07	0.16	3.51	3,370
Mit.	0.80	1.46	1.93	14.6	0.01	0.03	2.18	2.21	0.03	0.52	0.55	—	3,280	3,280	0.07	0.16	3.51	3,333
% Reduced	29%	73%	51%	-12%	4%	73%	—	3%	71%	—	11%	—	1%	1%	1%	< 0.5%	—	1%
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	100	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	Yes	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	100	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

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

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

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	10.2	9.06	41.3	138	0.11	1.70	16.8	17.7	1.57	4.01	5.02	—	30,040	30,040	1.04	1.39	75.6	30,555
2026	9.29	8.15	30.0	130	0.11	0.77	16.8	17.6	0.72	4.01	4.73	—	29,577	29,577	1.01	1.39	68.9	30,085
2027	8.95	7.83	28.3	122	0.11	0.72	16.8	17.6	0.66	4.01	4.68	—	29,115	29,115	0.53	1.32	62.5	29,585
2028	8.64	188	26.4	116	0.11	0.66	16.8	17.5	0.61	4.01	4.62	—	28,674	28,674	0.51	1.32	56.6	29,137
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	8.70	7.51	32.9	89.5	0.11	0.85	16.8	17.7	0.79	4.01	4.80	—	27,448	27,448	1.06	1.39	1.96	27,890
2026	8.36	7.20	30.9	84.7	0.11	0.77	16.8	17.6	0.72	4.01	4.73	—	27,048	27,048	0.59	1.39	1.79	27,478
2027	8.11	6.95	29.2	80.5	0.11	0.72	16.8	17.6	0.66	4.01	4.68	—	26,642	26,642	0.56	1.32	1.62	27,052
2028	7.34	6.70	27.4	76.4	0.11	0.66	16.8	17.5	0.61	4.01	4.62	—	26,254	26,254	0.56	1.32	1.47	26,663
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	3.92	3.39	15.8	44.0	0.05	0.47	7.48	7.95	0.43	1.81	2.24	—	11,766	11,766	0.43	0.53	12.6	11,948
2026	6.14	5.31	21.6	71.0	0.08	0.55	12.0	12.5	0.51	2.85	3.36	—	20,031	20,031	0.40	0.97	21.2	20,352
2027	5.95	5.14	20.4	67.4	0.08	0.51	12.0	12.5	0.47	2.85	3.32	—	19,725	19,725	0.38	0.94	19.3	20,036
2028	2.07	30.2	7.59	23.7	0.03	0.20	4.10	4.30	0.19	0.97	1.16	—	7,036	7,036	0.15	0.31	5.89	7,138
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.71	0.62	2.88	8.02	0.01	0.09	1.37	1.45	0.08	0.33	0.41	—	1,948	1,948	0.07	0.09	2.08	1,978
2026	1.12	0.97	3.94	13.0	0.01	0.10	2.18	2.29	0.09	0.52	0.61	—	3,316	3,316	0.07	0.16	3.51	3,370
2027	1.09	0.94	3.72	12.3	0.01	0.09	2.18	2.28	0.09	0.52	0.61	—	3,266	3,266	0.06	0.16	3.19	3,317
2028	0.38	5.51	1.39	4.32	0.01	0.04	0.75	0.79	0.03	0.18	0.21	—	1,165	1,165	0.02	0.05	0.97	1,182

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

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	7.65	7.01	15.3	150	0.11	0.21	16.8	17.0	0.21	4.01	4.22	—	29,729	29,729	1.03	1.39	75.6	30,244
2026	6.81	6.17	14.6	142	0.11	0.21	16.8	17.0	0.21	4.01	4.22	—	29,266	29,266	1.00	1.39	68.9	29,773
2027	6.51	5.88	13.8	135	0.10	0.21	16.8	17.0	0.21	4.01	4.22	—	28,804	28,804	0.52	1.32	62.5	29,273
2028	6.27	44.2	13.0	128	0.10	0.21	16.8	17.0	0.21	4.01	4.22	—	28,364	28,364	0.50	1.32	56.6	28,825
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	6.14	5.46	16.3	102	0.11	0.21	16.8	17.0	0.21	4.01	4.22	—	27,137	27,137	1.05	1.39	1.96	27,578
2026	5.88	5.22	15.5	97.1	0.11	0.21	16.8	17.0	0.21	4.01	4.22	—	26,737	26,737	0.57	1.39	1.79	27,166
2027	5.67	5.01	14.7	92.9	0.11	0.21	16.8	17.0	0.21	4.01	4.22	—	26,331	26,331	0.55	1.32	1.62	26,740
2028	4.97	4.81	13.9	88.8	0.11	0.21	16.8	17.0	0.21	4.01	4.22	—	25,943	25,943	0.55	1.32	1.47	26,352
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	2.53	2.28	6.40	49.6	0.05	0.09	7.48	7.57	0.09	1.81	1.91	—	11,647	11,647	0.43	0.53	12.6	11,828
2026	4.37	3.90	10.6	79.8	0.08	0.15	12.0	12.1	0.15	2.85	3.00	—	19,809	19,809	0.39	0.97	21.2	20,129
2027	4.21	3.75	9.98	76.2	0.08	0.15	12.0	12.1	0.15	2.85	3.00	—	19,503	19,503	0.37	0.94	19.3	19,813
2028	1.35	8.02	3.50	27.6	0.03	0.06	4.10	4.17	0.06	0.97	1.04	—	6,950	6,950	0.15	0.31	5.89	7,051
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.46	0.42	1.17	9.04	0.01	0.02	1.37	1.38	0.02	0.33	0.35	—	1,928	1,928	0.07	0.09	2.08	1,958
2026	0.80	0.71	1.93	14.6	0.01	0.03	2.18	2.21	0.03	0.52	0.55	—	3,280	3,280	0.06	0.16	3.51	3,333
2027	0.77	0.68	1.82	13.9	0.01	0.03	2.18	2.21	0.03	0.52	0.55	—	3,229	3,229	0.06	0.16	3.19	3,280
2028	0.25	1.46	0.64	5.04	0.01	0.01	0.75	0.76	0.01	0.18	0.19	—	1,151	1,151	0.02	0.05	0.97	1,167

3. Construction Emissions Details

3.1. Site Preparation (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.79	4.87	41.2	40.5	0.09	1.70	—	1.70	1.57	—	1.57	—	9,937	9,937	0.40	0.08	—	9,971
Dust From Material Movement	—	—	—	—	—	—	5.11	5.11	—	2.63	2.63	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.48	0.40	3.38	3.33	0.01	0.14	—	0.14	0.13	—	0.13	—	817	817	0.03	0.01	—	820
Dust From Material Movement	—	—	—	—	—	—	0.42	0.42	—	0.22	0.22	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	0.62	0.61	< 0.005	0.03	—	0.03	0.02	—	0.02	—	135	135	0.01	< 0.005	—	136
Dust From Material Movement	—	—	—	—	—	—	0.08	0.08	—	0.04	0.04	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.14	2.62	0.00	0.00	7.84	7.84	0.00	0.83	0.83	—	408	408	0.02	0.01	1.41	414
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.63	0.63	0.00	0.07	0.07	—	30.5	30.5	< 0.005	< 0.005	0.05	30.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.12	0.12	0.00	0.01	0.01	—	5.05	5.05	< 0.005	< 0.005	0.01	5.12
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.2. Site Preparation (2025) - Mitigated

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

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

Off-Road Equipment	0.94	0.94	4.87	51.1	0.09	0.19	—	0.19	0.19	—	0.19	—	9,937	9,937	0.40	0.08	—	9,971
Dust From Material Movement	—	—	—	—	—	—	5.11	5.11	—	2.63	2.63	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.08	0.40	4.20	0.01	0.02	—	0.02	0.02	—	0.02	—	817	817	0.03	0.01	—	820
Dust From Material Movement	—	—	—	—	—	—	0.42	0.42	—	0.22	0.22	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.77	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	135	135	0.01	< 0.005	—	136
Dust From Material Movement	—	—	—	—	—	—	0.08	0.08	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.14	2.62	0.00	0.00	7.84	7.84	0.00	0.83	0.83	—	408	408	0.02	0.01	1.41	414

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.63	0.63	0.00	0.07	0.07	—	30.5	30.5	< 0.005	< 0.005	0.05	30.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.12	0.12	0.00	0.01	0.01	—	5.05	5.05	< 0.005	< 0.005	0.01	5.12
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Building Construction (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.20	2.69	20.0	23.4	0.07	0.77	—	0.77	0.71	—	0.71	—	7,040	7,040	0.29	0.06	—	7,064
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.20	2.69	20.0	23.4	0.07	0.77	—	0.77	0.71	—	0.71	—	7,040	7,040	0.29	0.06	—	7,064

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23	1.03	7.66	8.96	0.03	0.30	—	0.30	0.27	—	0.27	—	2,700	2,700	0.11	0.02	—	2,709
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.19	1.40	1.63	< 0.005	0.05	—	0.05	0.05	—	0.05	—	447	447	0.02	< 0.005	—	449
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	6.72	6.17	6.14	112	0.00	0.00	15.3	15.3	0.00	3.59	3.59	—	17,416	17,416	0.69	0.58	60.3	17,667
Vendor	0.29	0.21	5.89	2.61	0.04	0.08	1.51	1.59	0.08	0.42	0.50	—	5,584	5,584	0.07	0.75	15.4	5,825
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.24	4.63	6.62	63.5	0.00	0.00	15.3	15.3	0.00	3.59	3.59	—	14,819	14,819	0.71	0.58	1.56	15,011
Vendor	0.26	0.19	6.33	2.67	0.04	0.08	1.51	1.59	0.08	0.42	0.50	—	5,590	5,590	0.07	0.75	0.40	5,815
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.10	1.87	2.34	30.5	0.00	0.00	5.85	5.85	0.00	1.37	1.37	—	6,076	6,076	0.26	0.21	9.97	6,156
Vendor	0.11	0.08	2.39	1.02	0.02	0.03	0.58	0.61	0.03	0.16	0.19	—	2,143	2,143	0.03	0.29	2.55	2,232
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.38	0.34	0.43	5.57	0.00	0.00	1.07	1.07	0.00	0.25	0.25	—	1,006	1,006	0.04	0.04	1.65	1,019
Vendor	0.02	0.01	0.44	0.19	< 0.005	0.01	0.11	0.11	0.01	0.03	0.03	—	355	355	< 0.005	0.05	0.42	369
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Building Construction (2025) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	0.64	3.31	35.6	0.06	0.13	—	0.13	0.13	—	0.13	—	6,728	6,728	0.27	0.05	—	6,751
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	0.64	3.31	35.6	0.06	0.13	—	0.13	0.13	—	0.13	—	6,728	6,728	0.27	0.05	—	6,751
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	0.24	1.27	13.7	0.02	0.05	—	0.05	0.05	—	0.05	—	2,581	2,581	0.10	0.02	—	2,590
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.23	2.49	< 0.005	0.01	—	0.01	0.01	—	0.01	—	427	427	0.02	< 0.005	—	429

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	6.72	6.17	6.14	112	0.00	0.00	15.3	15.3	0.00	3.59	3.59	—	17,416	17,416	0.69	0.58	60.3	17,667
Vendor	0.29	0.21	5.89	2.61	0.04	0.08	1.51	1.59	0.08	0.42	0.50	—	5,584	5,584	0.07	0.75	15.4	5,825
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.24	4.63	6.62	63.5	0.00	0.00	15.3	15.3	0.00	3.59	3.59	—	14,819	14,819	0.71	0.58	1.56	15,011
Vendor	0.26	0.19	6.33	2.67	0.04	0.08	1.51	1.59	0.08	0.42	0.50	—	5,590	5,590	0.07	0.75	0.40	5,815
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.10	1.87	2.34	30.5	0.00	0.00	5.85	5.85	0.00	1.37	1.37	—	6,076	6,076	0.26	0.21	9.97	6,156
Vendor	0.11	0.08	2.39	1.02	0.02	0.03	0.58	0.61	0.03	0.16	0.19	—	2,143	2,143	0.03	0.29	2.55	2,232
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.38	0.34	0.43	5.57	0.00	0.00	1.07	1.07	0.00	0.25	0.25	—	1,006	1,006	0.04	0.04	1.65	1,019
Vendor	0.02	0.01	0.44	0.19	< 0.005	0.01	0.11	0.11	0.01	0.03	0.03	—	355	355	< 0.005	0.05	0.42	369
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Building Construction (2026) - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.12	2.62	18.7	23.3	0.07	0.69	—	0.69	0.64	—	0.64	—	7,044	7,044	0.29	0.06	—	7,069
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.12	2.62	18.7	23.3	0.07	0.69	—	0.69	0.64	—	0.64	—	7,044	7,044	0.29	0.06	—	7,069
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.23	1.87	13.4	16.7	0.05	0.49	—	0.49	0.45	—	0.45	—	5,032	5,032	0.20	0.04	—	5,049
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	0.34	2.44	3.04	0.01	0.09	—	0.09	0.08	—	0.08	—	833	833	0.03	0.01	—	836
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.88	5.33	5.61	104	0.00	0.00	15.3	15.3	0.00	3.59	3.59	—	17,050	17,050	0.66	0.58	54.5	17,295
Vendor	0.29	0.21	5.64	2.44	0.04	0.08	1.51	1.59	0.08	0.42	0.50	—	5,483	5,483	0.07	0.75	14.4	5,722
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.98	4.40	6.09	58.9	0.00	0.00	15.3	15.3	0.00	3.59	3.59	—	14,515	14,515	0.23	0.58	1.42	14,696
Vendor	0.26	0.19	6.08	2.53	0.04	0.08	1.51	1.59	0.08	0.42	0.50	—	5,488	5,488	0.07	0.75	0.37	5,714
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.72	3.31	3.97	52.6	0.00	0.00	10.9	10.9	0.00	2.55	2.55	—	11,081	11,081	0.15	0.40	16.8	11,220
Vendor	0.20	0.14	4.24	1.77	0.03	0.06	1.07	1.13	0.06	0.30	0.35	—	3,918	3,918	0.05	0.54	4.42	4,083
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.68	0.60	0.72	9.60	0.00	0.00	1.99	1.99	0.00	0.47	0.47	—	1,835	1,835	0.02	0.07	2.78	1,858
Vendor	0.04	0.03	0.77	0.32	0.01	0.01	0.20	0.21	0.01	0.05	0.06	—	649	649	0.01	0.09	0.73	676
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. 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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	0.64	3.31	35.6	0.06	0.13	—	0.13	0.13	—	0.13	—	6,733	6,733	0.27	0.05	—	6,756
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.64	0.64	3.31	35.6	0.06	0.13	—	0.13	0.13	—	0.13	—	6,733	6,733	0.27	0.05	—	6,756
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	0.45	2.36	25.5	0.04	0.09	—	0.09	0.09	—	0.09	—	4,809	4,809	0.20	0.04	—	4,826
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.08	0.43	4.65	0.01	0.02	—	0.02	0.02	—	0.02	—	796	796	0.03	0.01	—	799
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.88	5.33	5.61	104	0.00	0.00	15.3	15.3	0.00	3.59	3.59	—	17,050	17,050	0.66	0.58	54.5	17,295
Vendor	0.29	0.21	5.64	2.44	0.04	0.08	1.51	1.59	0.08	0.42	0.50	—	5,483	5,483	0.07	0.75	14.4	5,722
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.98	4.40	6.09	58.9	0.00	0.00	15.3	15.3	0.00	3.59	3.59	—	14,515	14,515	0.23	0.58	1.42	14,696
Vendor	0.26	0.19	6.08	2.53	0.04	0.08	1.51	1.59	0.08	0.42	0.50	—	5,488	5,488	0.07	0.75	0.37	5,714
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.72	3.31	3.97	52.6	0.00	0.00	10.9	10.9	0.00	2.55	2.55	—	11,081	11,081	0.15	0.40	16.8	11,220
Vendor	0.20	0.14	4.24	1.77	0.03	0.06	1.07	1.13	0.06	0.30	0.35	—	3,918	3,918	0.05	0.54	4.42	4,083

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.68	0.60	0.72	9.60	0.00	0.00	1.99	1.99	0.00	0.47	0.47	—	1,835	1,835	0.02	0.07	2.78	1,858
Vendor	0.04	0.03	0.77	0.32	0.01	0.01	0.20	0.21	0.01	0.05	0.06	—	649	649	0.01	0.09	0.73	676
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.08	2.58	17.9	23.3	0.07	0.64	—	0.64	0.59	—	0.59	—	7,043	7,043	0.29	0.06	—	7,067
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.08	2.58	17.9	23.3	0.07	0.64	—	0.64	0.59	—	0.59	—	7,043	7,043	0.29	0.06	—	7,067
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.20	1.84	12.8	16.6	0.05	0.45	—	0.45	0.42	—	0.42	—	5,031	5,031	0.20	0.04	—	5,048
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.40	0.34	2.33	3.04	0.01	0.08	—	0.08	0.08	—	0.08	—	833	833	0.03	0.01	—	836
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.60	5.04	5.08	96.7	0.00	0.00	15.3	15.3	0.00	3.59	3.59	—	16,712	16,712	0.18	0.56	49.2	16,931
Vendor	0.28	0.20	5.38	2.35	0.04	0.08	1.51	1.59	0.08	0.42	0.50	—	5,361	5,361	0.07	0.71	13.3	5,587
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.77	4.19	5.56	54.8	0.00	0.00	15.3	15.3	0.00	3.59	3.59	—	14,233	14,233	0.21	0.56	1.28	14,405
Vendor	0.26	0.18	5.78	2.40	0.04	0.08	1.51	1.59	0.08	0.42	0.50	—	5,366	5,366	0.07	0.71	0.34	5,580
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.56	3.16	3.59	49.1	0.00	0.00	10.9	10.9	0.00	2.55	2.55	—	10,864	10,864	0.13	0.40	15.2	11,001
Vendor	0.20	0.14	4.02	1.67	0.03	0.06	1.07	1.13	0.06	0.30	0.35	—	3,831	3,831	0.05	0.51	4.09	3,987
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.65	0.58	0.66	8.96	0.00	0.00	1.99	1.99	0.00	0.47	0.47	—	1,799	1,799	0.02	0.07	2.52	1,821
Vendor	0.04	0.03	0.73	0.31	0.01	0.01	0.20	0.21	0.01	0.05	0.06	—	634	634	0.01	0.08	0.68	660
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

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

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	0.64	3.31	35.6	0.06	0.13	—	0.13	0.13	—	0.13	—	6,731	6,731	0.27	0.05	—	6,755
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	0.64	3.31	35.6	0.06	0.13	—	0.13	0.13	—	0.13	—	6,731	6,731	0.27	0.05	—	6,755
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	0.45	2.36	25.5	0.04	0.09	—	0.09	0.09	—	0.09	—	4,808	4,808	0.20	0.04	—	4,825
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.08	0.43	4.65	0.01	0.02	—	0.02	0.02	—	0.02	—	796	796	0.03	0.01	—	799
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.60	5.04	5.08	96.7	0.00	0.00	15.3	15.3	0.00	3.59	3.59	—	16,712	16,712	0.18	0.56	49.2	16,931
Vendor	0.28	0.20	5.38	2.35	0.04	0.08	1.51	1.59	0.08	0.42	0.50	—	5,361	5,361	0.07	0.71	13.3	5,587
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.77	4.19	5.56	54.8	0.00	0.00	15.3	15.3	0.00	3.59	3.59	—	14,233	14,233	0.21	0.56	1.28	14,405
Vendor	0.26	0.18	5.78	2.40	0.04	0.08	1.51	1.59	0.08	0.42	0.50	—	5,366	5,366	0.07	0.71	0.34	5,580
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.56	3.16	3.59	49.1	0.00	0.00	10.9	10.9	0.00	2.55	2.55	—	10,864	10,864	0.13	0.40	15.2	11,001
Vendor	0.20	0.14	4.02	1.67	0.03	0.06	1.07	1.13	0.06	0.30	0.35	—	3,831	3,831	0.05	0.51	4.09	3,987
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.65	0.58	0.66	8.96	0.00	0.00	1.99	1.99	0.00	0.47	0.47	—	1,799	1,799	0.02	0.07	2.52	1,821
Vendor	0.04	0.03	0.73	0.31	0.01	0.01	0.20	0.21	0.01	0.05	0.06	—	634	634	0.01	0.08	0.68	660
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2028) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.01	2.52	16.7	23.2	0.07	0.58	—	0.58	0.53	—	0.53	—	7,046	7,046	0.29	0.06	—	7,070
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	3.01	2.52	16.7	23.2	0.07	0.58	—	0.58	0.53	—	0.53	—	7,046	7,046	0.29	0.06	—	7,070
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.65	0.54	3.60	5.00	0.01	0.12	—	0.12	0.11	—	0.11	—	1,517	1,517	0.06	0.01	—	1,522
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.66	0.91	< 0.005	0.02	—	0.02	0.02	—	0.02	—	251	251	0.01	< 0.005	—	252
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.39	4.84	4.55	90.4	0.00	0.00	15.3	15.3	0.00	3.59	3.59	—	16,396	16,396	0.16	0.56	44.3	16,610
Vendor	0.24	0.16	5.16	2.22	0.04	0.08	1.51	1.59	0.08	0.42	0.50	—	5,233	5,233	0.07	0.71	12.3	5,457
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.11	4.03	5.05	50.8	0.00	0.00	15.3	15.3	0.00	3.59	3.59	—	13,970	13,970	0.21	0.56	1.15	14,142
Vendor	0.22	0.14	5.56	2.30	0.04	0.08	1.51	1.59	0.08	0.42	0.50	—	5,238	5,238	0.07	0.71	0.32	5,452
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.93	0.91	0.97	13.8	0.00	0.00	3.28	3.28	0.00	0.77	0.77	—	3,213	3,213	0.04	0.12	4.12	3,254
Vendor	0.05	0.03	1.16	0.48	0.01	0.02	0.32	0.34	0.02	0.09	0.11	—	1,127	1,127	0.01	0.15	1.14	1,174

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.17	0.18	2.51	0.00	0.00	0.60	0.60	0.00	0.14	0.14	—	532	532	0.01	0.02	0.68	539
Vendor	0.01	0.01	0.21	0.09	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	187	187	< 0.005	0.03	0.19	194
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2028) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	0.64	3.31	35.6	0.06	0.13	—	0.13	0.13	—	0.13	—	6,734	6,734	0.27	0.05	—	6,757
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	0.64	3.31	35.6	0.06	0.13	—	0.13	0.13	—	0.13	—	6,734	6,734	0.27	0.05	—	6,757
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.14	0.71	7.67	0.01	0.03	—	0.03	0.03	—	0.03	—	1,450	1,450	0.06	0.01	—	1,455
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.03	0.03	0.13	1.40	< 0.005	0.01	—	0.01	0.01	—	0.01	—	240	240	0.01	< 0.005	—	241
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.39	4.84	4.55	90.4	0.00	0.00	15.3	15.3	0.00	3.59	3.59	—	16,396	16,396	0.16	0.56	44.3	16,610
Vendor	0.24	0.16	5.16	2.22	0.04	0.08	1.51	1.59	0.08	0.42	0.50	—	5,233	5,233	0.07	0.71	12.3	5,457
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.11	4.03	5.05	50.8	0.00	0.00	15.3	15.3	0.00	3.59	3.59	—	13,970	13,970	0.21	0.56	1.15	14,142
Vendor	0.22	0.14	5.56	2.30	0.04	0.08	1.51	1.59	0.08	0.42	0.50	—	5,238	5,238	0.07	0.71	0.32	5,452
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.93	0.91	0.97	13.8	0.00	0.00	3.28	3.28	0.00	0.77	0.77	—	3,213	3,213	0.04	0.12	4.12	3,254
Vendor	0.05	0.03	1.16	0.48	0.01	0.02	0.32	0.34	0.02	0.09	0.11	—	1,127	1,127	0.01	0.15	1.14	1,174
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.17	0.18	2.51	0.00	0.00	0.60	0.60	0.00	0.14	0.14	—	532	532	0.01	0.02	0.68	539
Vendor	0.01	0.01	0.21	0.09	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	187	187	< 0.005	0.03	0.19	194
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Paving (2028) - Unmitigated

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

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

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.64	2.22	14.4	20.2	0.06	0.53	—	0.53	0.49	—	0.49	—	6,159	6,159	0.25	0.05	—	6,180
Paving	—	1.82	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.24	1.58	2.21	0.01	0.06	—	0.06	0.05	—	0.05	—	675	675	0.03	0.01	—	677
Paving	—	0.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.29	0.40	< 0.005	0.01	—	0.01	0.01	—	0.01	—	112	112	< 0.005	< 0.005	—	112
Paving	—	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.10	1.93	0.00	0.00	0.33	0.33	0.00	0.08	0.08	—	350	350	< 0.005	0.01	0.94	354
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	34.9	34.9	< 0.005	< 0.005	0.04	35.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.77	5.77	< 0.005	< 0.005	0.01	5.85
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Paving (2028) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.84	0.80	4.58	33.4	0.06	0.17	—	0.17	0.17	—	0.17	—	6,159	6,159	0.25	0.05	—	6,180
Paving	—	1.82	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.09	0.09	0.50	3.66	0.01	0.02	—	0.02	0.02	—	0.02	—	675	675	0.03	0.01	—	677
Paving	—	0.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.09	0.67	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	112	112	< 0.005	< 0.005	—	112
Paving	—	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.10	1.93	0.00	0.00	0.33	0.33	0.00	0.08	0.08	—	350	350	< 0.005	0.01	0.94	354
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	34.9	34.9	< 0.005	< 0.005	0.04	35.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.77	5.77	< 0.005	< 0.005	0.01	5.85
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Architectural Coating (2028) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	0.81	1.12	< 0.005	0.02	—	0.02	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	186	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.12	0.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	20.1	20.1	< 0.005	< 0.005	—	20.2
Architectural Coatings	—	28.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.33	3.33	< 0.005	< 0.005	—	3.34
Architectural Coatings	—	5.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.08	0.97	0.91	18.1	0.00	0.00	3.07	3.07	0.00	0.72	0.72	—	3,279	3,279	0.03	0.11	8.86	3,322
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.13	0.14	1.93	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	450	450	0.01	0.02	0.58	456
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.35	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	74.5	74.5	< 0.005	< 0.005	0.10	75.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Architectural Coating (2028) - Mitigated

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

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

Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	43.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	6.51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	1.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.08	0.97	0.91	18.1	0.00	0.00	3.07	3.07	0.00	0.72	0.72	—	3,279	3,279	0.03	0.11	8.86	3,322
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.13	0.14	1.93	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	450	450	0.01	0.02	0.58	456
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.35	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	74.5	74.5	< 0.005	< 0.005	0.10	75.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	5/8/2025	6/18/2025	5.00	30.0	—
Building Construction	Building Construction	6/19/2025	4/19/2028	5.00	740	—
Paving	Paving	4/20/2028	6/14/2028	5.00	40.0	—
Architectural Coating	Architectural Coating	6/15/2028	8/30/2028	5.00	55.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40

Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Site Preparation	Off-Highway Trucks	Diesel	Average	4.00	6.97	376	0.38
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Off-Highway Trucks	Diesel	Average	4.00	6.97	376	0.38
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Paving	Off-Highway Trucks	Diesel	Average	4.00	6.97	376	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Final	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	4.00	8.00	84.0	0.37
Site Preparation	Off-Highway Trucks	Diesel	Tier 4 Final	4.00	6.97	376	0.38
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Electric	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	7.00	84.0	0.37
Building Construction	Welders	Electric	Average	1.00	8.00	46.0	0.45
Building Construction	Off-Highway Trucks	Diesel	Tier 4 Final	4.00	6.97	376	0.38

Paving	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Paving	Off-Highway Trucks	Diesel	Tier 4 Final	4.00	6.97	376	0.38
Architectural Coating	Air Compressors	Electric	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	27.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	1,173	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	176	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	25.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	235	18.5	LDA,LDT1,LDT2

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

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	27.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	1,173	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	176	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	25.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	235	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

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	3,149,280	1,049,760	30,000	10,000	72,626

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 (sq. ft.)	Acres Paved (acres)
Site Preparation	0.00	0.00	45.0	0.00	—
Paving	0.00	0.00	0.00	0.00	27.8

5.6.2. Construction Earthmoving Control Strategies

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

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Low Rise	—	0%

Parking Lot	27.8	100%
Strip Mall	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
2025	0.00	457	0.03	< 0.005
2026	0.00	457	0.03	< 0.005
2027	0.00	457	0.03	< 0.005
2028	0.00	457	0.03	< 0.005

8. User Changes to Default Data

Screen	Justification
Land Use	Land use values adjusted based on the site plan.
Construction: Off-Road Equipment	Excavator hp increased to reflect project conditions. Water trucks were added to the site preparation, building construction, and paving phases.
Construction: Construction Phases	Construction schedule updated with information from the project applicant.
Construction: On-Road Fugitive Dust	Assuming 1% of travel occurs on unpaved roads during the site preparation to account for site conditions.

08 MBS PA3 Residential Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	08 MBS PA3 Residential
Construction Start Date	5/8/2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	7.60
Location	33.740545, -116.235622
County	Riverside-Salton Sea
City	Indio
Air District	South Coast AQMD
Air Basin	Salton Sea
TAZ	5657
EDFZ	19
Electric Utility	Imperial Irrigation District
Gas Utility	Southern California Gas
App Version	2022.1.1.20

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
Apartments Low Rise	405	Dwelling Unit	2.23	388,800	0.00	0.00	1,308	—

Parking Lot	7.31	Acre	7.31	7.31	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-1-A	Use Electric or Hybrid Powered Equipment
Construction	C-5	Use Advanced Engine Tiers
Construction	C-13	Use Low-VOC Paints for Construction

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.53	126	34.2	44.1	0.06	1.45	10.8	12.3	1.34	3.23	4.57	—	9,290	9,290	0.33	0.36	18.8	9,423
Mit.	2.05	29.0	4.59	47.1	0.06	0.12	10.8	10.9	0.12	3.23	3.35	—	8,979	8,979	0.32	0.36	18.8	9,111
% Reduced	55%	77%	87%	-7%	—	92%	—	11%	91%	—	27%	—	3%	3%	4%	1%	—	3%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.19	2.72	16.1	32.1	0.05	0.54	4.18	4.72	0.50	1.00	1.49	—	8,645	8,645	0.34	0.36	0.49	8,761
Mit.	1.68	1.51	4.81	35.1	0.04	0.08	4.18	4.26	0.08	1.00	1.08	—	8,334	8,334	0.33	0.36	0.49	8,449
% Reduced	47%	45%	70%	-9%	9%	85%	—	10%	84%	—	28%	—	4%	4%	4%	1%	—	4%

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.57	7.74	8.17	16.7	0.02	0.29	2.21	2.50	0.27	0.55	0.82	—	4,057	4,057	0.15	0.15	3.45	4,109
Mit.	0.77	2.06	2.11	18.1	0.02	0.04	2.21	2.25	0.04	0.55	0.59	—	3,925	3,925	0.15	0.15	3.45	3,977
% Reduced	51%	73%	74%	-8%	8%	86%	—	10%	85%	—	28%	—	3%	3%	4%	1%	—	3%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.29	1.41	1.49	3.06	< 0.005	0.05	0.40	0.46	0.05	0.10	0.15	—	672	672	0.03	0.03	0.57	680
Mit.	0.14	0.38	0.39	3.30	< 0.005	0.01	0.40	0.41	0.01	0.10	0.11	—	650	650	0.02	0.02	0.57	658
% Reduced	51%	73%	74%	-8%	8%	86%	—	10%	85%	—	28%	—	3%	3%	4%	1%	—	3%
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	100	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	Yes	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	100	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

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

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

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	4.53	3.82	34.2	44.1	0.06	1.45	10.8	12.3	1.34	3.23	4.57	—	9,290	9,290	0.33	0.36	18.8	9,423
2026	3.28	126	14.9	42.1	0.05	0.48	4.18	4.66	0.44	1.00	1.44	—	9,175	9,175	0.33	0.36	17.1	9,306
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	3.19	2.72	16.1	32.1	0.05	0.54	4.18	4.72	0.50	1.00	1.49	—	8,645	8,645	0.34	0.36	0.49	8,761
2026	3.05	2.61	15.1	30.9	0.05	0.48	4.18	4.66	0.44	1.00	1.44	—	8,546	8,546	0.22	0.36	0.44	8,658
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.57	1.34	8.17	16.7	0.02	0.29	2.21	2.50	0.27	0.55	0.82	—	4,057	4,057	0.15	0.15	3.45	4,109
2026	0.91	7.74	4.48	10.0	0.01	0.15	1.14	1.28	0.14	0.27	0.41	—	2,499	2,499	0.06	0.09	2.00	2,531
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.29	0.24	1.49	3.06	< 0.005	0.05	0.40	0.46	0.05	0.10	0.15	—	672	672	0.03	0.03	0.57	680
2026	0.17	1.41	0.82	1.83	< 0.005	0.03	0.21	0.23	0.02	0.05	0.07	—	414	414	0.01	0.02	0.33	419

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	2.05	1.90	4.59	47.1	0.06	0.12	10.8	10.9	0.12	3.23	3.35	—	8,979	8,979	0.32	0.36	18.8	9,111
2026	1.84	29.0	4.39	45.1	0.04	0.12	4.18	4.26	0.11	1.00	1.08	—	8,864	8,864	0.31	0.36	17.1	8,995
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.68	1.51	4.81	35.1	0.04	0.08	4.18	4.26	0.08	1.00	1.08	—	8,334	8,334	0.33	0.36	0.49	8,449

2026	1.61	1.45	4.62	33.9	0.04	0.08	4.18	4.26	0.08	1.00	1.08	—	8,235	8,235	0.21	0.36	0.44	8,347
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.77	0.70	2.11	18.1	0.02	0.04	2.21	2.25	0.04	0.55	0.59	—	3,925	3,925	0.15	0.15	3.45	3,977
2026	0.48	2.06	1.34	10.9	0.01	0.03	1.14	1.17	0.03	0.27	0.30	—	2,411	2,411	0.06	0.09	2.00	2,442
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.14	0.13	0.39	3.30	< 0.005	0.01	0.40	0.41	0.01	0.10	0.11	—	650	650	0.02	0.02	0.57	658
2026	0.09	0.38	0.24	2.00	< 0.005	0.01	0.21	0.21	0.01	0.05	0.05	—	399	399	0.01	0.02	0.33	404

3. Construction Emissions Details

3.1. Site Preparation (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.42	3.71	34.1	32.8	0.06	1.45	—	1.45	1.34	—	1.34	—	6,487	6,487	0.26	0.05	—	6,509
Dust From Material Movement	—	—	—	—	—	—	5.11	5.11	—	2.63	2.63	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.18	0.15	1.40	1.35	< 0.005	0.06	—	0.06	0.05	—	0.05	—	267	267	0.01	< 0.005	—	267
Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.26	0.25	< 0.005	0.01	—	0.01	0.01	—	0.01	—	44.1	44.1	< 0.005	< 0.005	—	44.3
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.10	1.91	0.00	0.00	5.70	5.70	0.00	0.60	0.60	—	297	297	0.01	0.01	1.03	301
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.23	0.23	0.00	0.02	0.02	—	11.1	11.1	< 0.005	< 0.005	0.02	11.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.04	0.04	0.00	< 0.005	< 0.005	—	1.84	1.84	< 0.005	< 0.005	< 0.005	1.86
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.2. Site Preparation (2025) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61	0.61	3.18	34.2	0.06	0.12	—	0.12	0.12	—	0.12	—	6,487	6,487	0.26	0.05	—	6,509
Dust From Material Movement	—	—	—	—	—	—	5.11	5.11	—	2.63	2.63	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.13	1.40	< 0.005	0.01	—	0.01	0.01	—	0.01	—	267	267	0.01	< 0.005	—	267
Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	< 0.005	< 0.005	0.02	0.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	44.1	44.1	< 0.005	< 0.005	—	44.3
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.10	1.91	0.00	0.00	5.70	5.70	0.00	0.60	0.60	—	297	297	0.01	0.01	1.03	301
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.23	0.23	0.00	0.02	0.02	—	11.1	11.1	< 0.005	< 0.005	0.02	11.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.04	0.04	0.00	< 0.005	< 0.005	—	1.84	1.84	< 0.005	< 0.005	< 0.005	1.86
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Building Construction (2025) - Unmitigated

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

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

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.82	1.53	12.9	15.7	0.03	0.52	—	0.52	0.48	—	0.48	—	3,589	3,589	0.15	0.03	—	3,601
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.82	1.53	12.9	15.7	0.03	0.52	—	0.52	0.48	—	0.48	—	3,589	3,589	0.15	0.03	—	3,601
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	0.65	5.47	6.66	0.01	0.22	—	0.22	0.20	—	0.20	—	1,524	1,524	0.06	0.01	—	1,529
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.00	1.22	< 0.005	0.04	—	0.04	0.04	—	0.04	—	252	252	0.01	< 0.005	—	253
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.67	1.53	1.53	27.8	0.00	0.00	3.81	3.81	0.00	0.89	0.89	—	4,330	4,330	0.17	0.14	15.0	4,393
Vendor	0.07	0.05	1.45	0.64	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,370	1,370	0.02	0.18	3.77	1,429
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.30	1.15	1.65	15.8	0.00	0.00	3.81	3.81	0.00	0.89	0.89	—	3,684	3,684	0.18	0.14	0.39	3,732
Vendor	0.06	0.05	1.55	0.65	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,372	1,372	0.02	0.18	0.10	1,427
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.58	0.52	0.64	8.40	0.00	0.00	1.61	1.61	0.00	0.38	0.38	—	1,673	1,673	0.07	0.06	2.74	1,695
Vendor	0.03	0.02	0.65	0.28	< 0.005	0.01	0.16	0.16	0.01	0.04	0.05	—	582	582	0.01	0.08	0.69	606
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	0.12	1.53	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	277	277	0.01	0.01	0.45	281
Vendor	0.01	< 0.005	0.12	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	96.4	96.4	< 0.005	0.01	0.11	100
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Building Construction (2025) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.31	0.31	1.61	18.7	0.03	0.06	—	0.06	0.06	—	0.06	—	3,278	3,278	0.13	0.03	—	3,289
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.31	0.31	1.61	18.7	0.03	0.06	—	0.06	0.06	—	0.06	—	3,278	3,278	0.13	0.03	—	3,289
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.13	0.68	7.93	0.01	0.03	—	0.03	0.03	—	0.03	—	1,392	1,392	0.06	0.01	—	1,397
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.12	1.45	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	230	230	0.01	< 0.005	—	231
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.67	1.53	1.53	27.8	0.00	0.00	3.81	3.81	0.00	0.89	0.89	—	4,330	4,330	0.17	0.14	15.0	4,393
Vendor	0.07	0.05	1.45	0.64	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,370	1,370	0.02	0.18	3.77	1,429
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.30	1.15	1.65	15.8	0.00	0.00	3.81	3.81	0.00	0.89	0.89	—	3,684	3,684	0.18	0.14	0.39	3,732
Vendor	0.06	0.05	1.55	0.65	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,372	1,372	0.02	0.18	0.10	1,427
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.58	0.52	0.64	8.40	0.00	0.00	1.61	1.61	0.00	0.38	0.38	—	1,673	1,673	0.07	0.06	2.74	1,695
Vendor	0.03	0.02	0.65	0.28	< 0.005	0.01	0.16	0.16	0.01	0.04	0.05	—	582	582	0.01	0.08	0.69	606

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	0.12	1.53	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	277	277	0.01	0.01	0.45	281
Vendor	0.01	< 0.005	0.12	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	96.4	96.4	< 0.005	0.01	0.11	100
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Building Construction (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.75	1.47	12.1	15.6	0.03	0.46	—	0.46	0.42	—	0.42	—	3,590	3,590	0.15	0.03	—	3,602
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.75	1.47	12.1	15.6	0.03	0.46	—	0.46	0.42	—	0.42	—	3,590	3,590	0.15	0.03	—	3,602
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.38	3.16	4.07	0.01	0.12	—	0.12	0.11	—	0.11	—	934	934	0.04	0.01	—	938
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.08	0.07	0.58	0.74	< 0.005	0.02	—	0.02	0.02	—	0.02	—	155	155	0.01	< 0.005	—	155
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.46	1.32	1.40	25.8	0.00	0.00	3.81	3.81	0.00	0.89	0.89	—	4,239	4,239	0.16	0.14	13.6	4,300
Vendor	0.07	0.05	1.38	0.60	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,345	1,345	0.02	0.18	3.52	1,404
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.24	1.09	1.51	14.6	0.00	0.00	3.81	3.81	0.00	0.89	0.89	—	3,609	3,609	0.06	0.14	0.35	3,654
Vendor	0.06	0.05	1.49	0.62	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,347	1,347	0.02	0.18	0.09	1,402
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.34	0.30	0.36	4.76	0.00	0.00	0.99	0.99	0.00	0.23	0.23	—	1,004	1,004	0.01	0.04	1.52	1,017
Vendor	0.02	0.01	0.38	0.16	< 0.005	0.01	0.10	0.10	0.01	0.03	0.03	—	350	350	< 0.005	0.05	0.39	365
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.07	0.87	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	166	166	< 0.005	0.01	0.25	168
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	58.0	58.0	< 0.005	0.01	0.07	60.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

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

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.31	0.31	1.61	18.7	0.03	0.06	—	0.06	0.06	—	0.06	—	3,279	3,279	0.13	0.03	—	3,290
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.31	0.31	1.61	18.7	0.03	0.06	—	0.06	0.06	—	0.06	—	3,279	3,279	0.13	0.03	—	3,290
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.08	0.42	4.86	0.01	0.02	—	0.02	0.02	—	0.02	—	853	853	0.03	0.01	—	856
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.89	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	141	141	0.01	< 0.005	—	142
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.46	1.32	1.40	25.8	0.00	0.00	3.81	3.81	0.00	0.89	0.89	—	4,239	4,239	0.16	0.14	13.6	4,300
Vendor	0.07	0.05	1.38	0.60	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,345	1,345	0.02	0.18	3.52	1,404
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.24	1.09	1.51	14.6	0.00	0.00	3.81	3.81	0.00	0.89	0.89	—	3,609	3,609	0.06	0.14	0.35	3,654
Vendor	0.06	0.05	1.49	0.62	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,347	1,347	0.02	0.18	0.09	1,402
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.34	0.30	0.36	4.76	0.00	0.00	0.99	0.99	0.00	0.23	0.23	—	1,004	1,004	0.01	0.04	1.52	1,017
Vendor	0.02	0.01	0.38	0.16	< 0.005	0.01	0.10	0.10	0.01	0.03	0.03	—	350	350	< 0.005	0.05	0.39	365
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.07	0.87	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	166	166	< 0.005	0.01	0.25	168
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	58.0	58.0	< 0.005	0.01	0.07	60.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Paving (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.38	1.16	9.40	12.6	0.02	0.40	—	0.40	0.37	—	0.37	—	2,703	2,703	0.11	0.02	—	2,713
Paving	—	0.96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.51	0.69	< 0.005	0.02	—	0.02	0.02	—	0.02	—	148	148	0.01	< 0.005	—	149
Paving	—	0.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.09	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	24.5	24.5	< 0.005	< 0.005	—	24.6
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.08	1.55	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	254	254	0.01	0.01	0.81	258
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12.7	12.7	< 0.005	< 0.005	0.02	12.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.10	2.10	< 0.005	< 0.005	< 0.005	2.13
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Paving (2026) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.54	0.49	2.94	16.5	0.02	0.12	—	0.12	0.11	—	0.11	—	2,703	2,703	0.11	0.02	—	2,713
Paving	—	0.96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.16	0.90	< 0.005	0.01	—	0.01	0.01	—	0.01	—	148	148	0.01	< 0.005	—	149
Paving	—	0.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.03	0.16	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	24.5	24.5	< 0.005	< 0.005	—	24.6
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.08	1.55	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	254	254	0.01	0.01	0.81	258
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12.7	12.7	< 0.005	< 0.005	0.02	12.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.10	2.10	< 0.005	< 0.005	< 0.005	2.13
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Architectural Coating (2026) - Unmitigated

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

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

Off-Road Equipment	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	126	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.32	7.32	< 0.005	< 0.005	—	7.34
Architectural Coatings	—	6.91	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.21	1.21	< 0.005	< 0.005	—	1.22
Architectural Coatings	—	1.26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.29	0.26	0.28	5.17	0.00	0.00	0.76	0.76	0.00	0.18	0.18	—	848	848	0.03	0.03	2.71	860
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.02	0.20	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	42.3	42.3	< 0.005	< 0.005	0.06	42.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.00	7.00	< 0.005	< 0.005	0.01	7.09
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Architectural Coating (2026) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	28.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	1.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	0.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.29	0.26	0.28	5.17	0.00	0.00	0.76	0.76	0.00	0.18	0.18	—	848	848	0.03	0.03	2.71	860
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.02	0.20	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	42.3	42.3	< 0.005	< 0.005	0.06	42.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.00	7.00	< 0.005	< 0.005	0.01	7.09

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	5/8/2025	5/28/2025	5.00	15.0	—
Building Construction	Building Construction	5/29/2025	5/13/2026	5.00	250	—
Paving	Paving	5/14/2026	6/10/2026	5.00	20.0	—
Architectural Coating	Architectural Coating	6/11/2026	7/8/2026	5.00	20.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Site Preparation	Off-Highway Trucks	Diesel	Average	1.00	7.16	376	0.38
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Off-Highway Trucks	Diesel	Average	1.00	7.16	376	0.38

Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Paving	Off-Highway Trucks	Diesel	Average	1.00	7.16	376	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Final	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	4.00	8.00	84.0	0.37
Site Preparation	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	7.16	376	0.38
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Electric	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	7.00	84.0	0.37
Building Construction	Welders	Electric	Average	1.00	8.00	46.0	0.45
Building Construction	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	7.16	376	0.38
Paving	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Paving	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	7.16	376	0.38
Architectural Coating	Air Compressors	Electric	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	20.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	292	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	43.3	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	17.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	58.3	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	20.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT

Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	292	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	43.3	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	17.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	58.3	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

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	787,320	262,440	0.00	0.00	19,103

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 (sq. ft.)	Acres Paved (acres)
Site Preparation	0.00	0.00	22.5	0.00	—
Paving	0.00	0.00	0.00	0.00	7.31

5.6.2. Construction Earthmoving Control Strategies

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

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Low Rise	—	0%
Parking Lot	7.31	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	457	0.03	< 0.005
2026	0.00	457	0.03	< 0.005

8. User Changes to Default Data

Screen	Justification
Land Use	Land use information adjusted based on site plan information.
Construction: Construction Phases	Construction schedule updated with information from the project applicant.
Construction: Off-Road Equipment	Excavator hp increased to reflect project conditions. Water trucks added to site preparation, grading, building construction, and paving phases.
Construction: On-Road Fugitive Dust	Assuming 1% of travel occurs on unpaved roads during site preparation to account for site conditions.

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	09 S2 PA1 Northwest Residential
Construction Start Date	5/8/2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	7.60
Location	33.742889, -116.246638
County	Riverside-Salton Sea
City	Indio
Air District	South Coast AQMD
Air Basin	Salton Sea
TAZ	5657
EDFZ	19
Electric Utility	Imperial Irrigation District
Gas Utility	Southern California Gas
App Version	2022.1.1.20

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
Apartments Low Rise	446	Dwelling Unit	5.43	472,760	0.00	0.00	1,441	—

Parking Lot	25.1	Acre	25.1	0.00	300,067	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-1-A	Use Electric or Hybrid Powered Equipment
Construction	C-5	Use Advanced Engine Tiers
Construction	C-13	Use Low-VOC Paints for Construction

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.61	109	39.6	52.8	0.08	1.64	12.2	13.9	1.51	3.38	4.89	—	12,492	12,492	0.46	0.41	20.7	12,647
Mit.	2.48	30.2	6.18	62.9	0.08	0.17	12.2	12.4	0.17	3.38	3.55	—	12,182	12,182	0.45	0.41	20.7	12,335
% Reduced	56%	72%	84%	-19%	—	90%	—	11%	89%	—	27%	—	2%	2%	3%	1%	—	2%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.38	3.73	21.8	39.6	0.07	0.73	4.61	5.34	0.67	1.10	1.77	—	11,783	11,783	0.46	0.41	0.53	11,918
Mit.	2.06	1.88	6.43	49.7	0.07	0.13	4.61	4.74	0.13	1.10	1.23	—	11,472	11,472	0.45	0.41	0.53	11,606
% Reduced	53%	50%	71%	-25%	6%	82%	—	11%	80%	—	31%	—	3%	3%	3%	1%	—	3%

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.07	10.2	14.5	30.2	0.05	0.47	3.27	3.74	0.43	0.78	1.21	—	8,535	8,535	0.23	0.29	5.80	8,632
Mit.	1.47	3.17	4.31	37.4	0.05	0.10	3.27	3.37	0.10	0.78	0.87	—	8,312	8,312	0.22	0.29	5.80	8,410
% Reduced	52%	69%	70%	-24%	6%	80%	—	10%	78%	—	28%	—	3%	3%	4%	1%	—	3%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.56	1.86	2.64	5.51	0.01	0.09	0.60	0.68	0.08	0.14	0.22	—	1,413	1,413	0.04	0.05	0.96	1,429
Mit.	0.27	0.58	0.79	6.83	0.01	0.02	0.60	0.61	0.02	0.14	0.16	—	1,376	1,376	0.04	0.05	0.96	1,392
% Reduced	52%	69%	70%	-24%	6%	80%	—	10%	78%	—	28%	—	3%	3%	4%	1%	—	3%
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	100	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	Yes	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	100	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

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

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

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	5.61	4.72	39.6	52.8	0.08	1.64	12.2	13.9	1.51	3.38	4.89	—	12,492	12,492	0.46	0.41	20.7	12,647
2026	4.48	3.86	20.2	50.6	0.07	0.66	4.61	5.26	0.61	1.10	1.70	—	12,368	12,368	0.45	0.41	18.8	12,521
2027	4.36	109	19.2	48.6	0.07	0.60	4.61	5.21	0.56	1.10	1.65	—	12,242	12,242	0.32	0.39	17.1	12,384
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	4.38	3.73	21.8	39.6	0.07	0.73	4.61	5.34	0.67	1.10	1.77	—	11,783	11,783	0.46	0.41	0.53	11,918
2026	4.23	3.60	20.5	38.3	0.07	0.66	4.61	5.26	0.61	1.10	1.70	—	11,676	11,676	0.33	0.41	0.49	11,807
2027	4.12	3.50	19.4	37.1	0.07	0.60	4.61	5.21	0.56	1.10	1.65	—	11,564	11,564	0.33	0.39	0.44	11,691
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	2.13	1.82	11.1	20.3	0.03	0.39	2.55	2.94	0.36	0.63	0.99	—	5,475	5,475	0.21	0.17	3.69	5,535
2026	3.07	2.62	14.5	30.2	0.05	0.47	3.27	3.74	0.43	0.78	1.21	—	8,535	8,535	0.23	0.29	5.80	8,632
2027	1.26	10.2	5.95	12.0	0.02	0.19	1.21	1.41	0.18	0.29	0.47	—	3,436	3,436	0.10	0.10	1.93	3,471
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.39	0.33	2.02	3.70	0.01	0.07	0.46	0.54	0.07	0.12	0.18	—	906	906	0.03	0.03	0.61	916
2026	0.56	0.48	2.64	5.51	0.01	0.09	0.60	0.68	0.08	0.14	0.22	—	1,413	1,413	0.04	0.05	0.96	1,429
2027	0.23	1.86	1.09	2.20	< 0.005	0.04	0.22	0.26	0.03	0.05	0.09	—	569	569	0.02	0.02	0.32	575

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	2.48	2.30	6.18	62.9	0.08	0.17	12.2	12.4	0.17	3.38	3.55	—	12,182	12,182	0.45	0.41	20.7	12,335
2026	2.25	2.07	5.96	60.7	0.07	0.13	4.61	4.74	0.13	1.10	1.23	—	12,057	12,057	0.44	0.41	18.8	12,209

2027	2.17	30.2	5.75	58.7	0.07	0.17	4.61	4.74	0.16	1.10	1.23	—	11,931	11,931	0.31	0.39	17.1	12,073
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	2.06	1.88	6.43	49.7	0.07	0.13	4.61	4.74	0.13	1.10	1.23	—	11,472	11,472	0.45	0.41	0.53	11,606
2026	1.99	1.81	6.21	48.4	0.07	0.13	4.61	4.74	0.13	1.10	1.23	—	11,365	11,365	0.32	0.41	0.49	11,495
2027	1.94	1.76	5.99	47.2	0.07	0.13	4.61	4.74	0.13	1.10	1.23	—	11,254	11,254	0.31	0.39	0.44	11,379
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.93	0.85	2.82	24.9	0.03	0.06	2.55	2.61	0.06	0.63	0.70	—	5,347	5,347	0.20	0.17	3.69	5,406
2026	1.47	1.34	4.31	37.4	0.05	0.10	3.27	3.37	0.10	0.78	0.87	—	8,312	8,312	0.22	0.29	5.80	8,410
2027	0.58	3.17	1.80	15.3	0.02	0.05	1.21	1.26	0.05	0.29	0.33	—	3,349	3,349	0.09	0.10	1.93	3,384
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.17	0.16	0.51	4.54	0.01	0.01	0.46	0.48	0.01	0.12	0.13	—	885	885	0.03	0.03	0.61	895
2026	0.27	0.24	0.79	6.83	0.01	0.02	0.60	0.61	0.02	0.14	0.16	—	1,376	1,376	0.04	0.05	0.96	1,392
2027	0.11	0.58	0.33	2.80	< 0.005	0.01	0.22	0.23	0.01	0.05	0.06	—	554	554	0.02	0.02	0.32	560

3. Construction Emissions Details

3.1. Site Preparation (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.46	4.59	39.5	38.7	0.08	1.64	—	1.64	1.51	—	1.51	—	9,112	9,112	0.37	0.07	—	9,144

Dust From Material Movement	—	—	—	—	—	—	5.11	5.11	—	2.63	2.63	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	0.25	2.16	2.12	< 0.005	0.09	—	0.09	0.08	—	0.08	—	499	499	0.02	< 0.005	—	501
Dust From Material Movement	—	—	—	—	—	—	0.28	0.28	—	0.14	0.14	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.39	0.39	< 0.005	0.02	—	0.02	0.02	—	0.02	—	82.7	82.7	< 0.005	< 0.005	—	83.0
Dust From Material Movement	—	—	—	—	—	—	0.05	0.05	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.13	0.13	2.38	0.00	0.00	7.13	7.13	0.00	0.76	0.76	—	371	371	0.01	0.01	1.28	377
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.38	0.38	0.00	0.04	0.04	—	18.5	18.5	< 0.005	< 0.005	0.03	18.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.07	0.07	0.00	0.01	0.01	—	3.06	3.06	< 0.005	< 0.005	0.01	3.10
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.2. Site Preparation (2025) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.86	0.86	4.47	47.1	0.08	0.17	—	0.17	0.17	—	0.17	—	9,112	9,112	0.37	0.07	—	9,144
Dust From Material Movement	—	—	—	—	—	—	5.11	5.11	—	2.63	2.63	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.24	2.58	< 0.005	0.01	—	0.01	0.01	—	0.01	—	499	499	0.02	< 0.005	—	501
Dust From Material Movement	—	—	—	—	—	—	0.28	0.28	—	0.14	0.14	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.04	0.47	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	82.7	82.7	< 0.005	< 0.005	—	83.0
Dust From Material Movement	—	—	—	—	—	—	0.05	0.05	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.13	0.13	2.38	0.00	0.00	7.13	7.13	0.00	0.76	0.76	—	371	371	0.01	0.01	1.28	377
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.38	0.38	0.00	0.04	0.04	—	18.5	18.5	< 0.005	< 0.005	0.03	18.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.07	0.07	0.00	0.01	0.01	—	3.06	3.06	< 0.005	< 0.005	0.01	3.10
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Building Construction (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.87	2.41	18.3	21.5	0.06	0.71	—	0.71	0.65	—	0.65	—	6,215	6,215	0.25	0.05	—	6,236
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.87	2.41	18.3	21.5	0.06	0.71	—	0.71	0.65	—	0.65	—	6,215	6,215	0.25	0.05	—	6,236
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18	0.99	7.51	8.84	0.02	0.29	—	0.29	0.27	—	0.27	—	2,554	2,554	0.10	0.02	—	2,563
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.22	0.18	1.37	1.61	< 0.005	0.05	—	0.05	0.05	—	0.05	—	423	423	0.02	< 0.005	—	424
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.84	1.69	1.68	30.6	0.00	0.00	4.20	4.20	0.00	0.98	0.98	—	4,769	4,769	0.19	0.16	16.5	4,837
Vendor	0.08	0.06	1.59	0.71	0.01	0.02	0.41	0.43	0.02	0.11	0.13	—	1,509	1,509	0.02	0.20	4.15	1,574
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.43	1.27	1.81	17.4	0.00	0.00	4.20	4.20	0.00	0.98	0.98	—	4,057	4,057	0.19	0.16	0.43	4,110
Vendor	0.07	0.05	1.71	0.72	0.01	0.02	0.41	0.43	0.02	0.11	0.13	—	1,510	1,510	0.02	0.20	0.11	1,571
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.62	0.55	0.69	8.95	0.00	0.00	1.72	1.72	0.00	0.40	0.40	—	1,783	1,783	0.08	0.06	2.92	1,806
Vendor	0.03	0.02	0.69	0.29	< 0.005	0.01	0.17	0.18	0.01	0.05	0.05	—	620	620	0.01	0.08	0.74	646
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.13	1.63	0.00	0.00	0.31	0.31	0.00	0.07	0.07	—	295	295	0.01	0.01	0.48	299
Vendor	0.01	< 0.005	0.13	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	103	103	< 0.005	0.01	0.12	107
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Building Construction (2025) - Mitigated

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

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

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.56	0.56	2.90	31.6	0.05	0.11	—	0.11	0.11	—	0.11	—	5,903	5,903	0.24	0.05	—	5,924
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.56	0.56	2.90	31.6	0.05	0.11	—	0.11	0.11	—	0.11	—	5,903	5,903	0.24	0.05	—	5,924
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	1.19	13.0	0.02	0.05	—	0.05	0.05	—	0.05	—	2,426	2,426	0.10	0.02	—	2,434
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.22	2.37	< 0.005	0.01	—	0.01	0.01	—	0.01	—	402	402	0.02	< 0.005	—	403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.84	1.69	1.68	30.6	0.00	0.00	4.20	4.20	0.00	0.98	0.98	—	4,769	4,769	0.19	0.16	16.5	4,837
Vendor	0.08	0.06	1.59	0.71	0.01	0.02	0.41	0.43	0.02	0.11	0.13	—	1,509	1,509	0.02	0.20	4.15	1,574
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.43	1.27	1.81	17.4	0.00	0.00	4.20	4.20	0.00	0.98	0.98	—	4,057	4,057	0.19	0.16	0.43	4,110
Vendor	0.07	0.05	1.71	0.72	0.01	0.02	0.41	0.43	0.02	0.11	0.13	—	1,510	1,510	0.02	0.20	0.11	1,571
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.62	0.55	0.69	8.95	0.00	0.00	1.72	1.72	0.00	0.40	0.40	—	1,783	1,783	0.08	0.06	2.92	1,806
Vendor	0.03	0.02	0.69	0.29	< 0.005	0.01	0.17	0.18	0.01	0.05	0.05	—	620	620	0.01	0.08	0.74	646
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.13	1.63	0.00	0.00	0.31	0.31	0.00	0.07	0.07	—	295	295	0.01	0.01	0.48	299
Vendor	0.01	< 0.005	0.13	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	103	103	< 0.005	0.01	0.12	107
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Building Construction (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.79	2.34	17.2	21.5	0.06	0.64	—	0.64	0.58	—	0.58	—	6,219	6,219	0.25	0.05	—	6,240
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	2.79	2.34	17.2	21.5	0.06	0.64	—	0.64	0.58	—	0.58	—	6,219	6,219	0.25	0.05	—	6,240
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.99	1.67	12.3	15.3	0.04	0.45	—	0.45	0.42	—	0.42	—	4,442	4,442	0.18	0.04	—	4,457
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	0.31	2.24	2.80	0.01	0.08	—	0.08	0.08	—	0.08	—	735	735	0.03	0.01	—	738
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.61	1.46	1.54	28.5	0.00	0.00	4.20	4.20	0.00	0.98	0.98	—	4,668	4,668	0.18	0.16	14.9	4,735
Vendor	0.08	0.06	1.52	0.66	0.01	0.02	0.41	0.43	0.02	0.11	0.13	—	1,481	1,481	0.02	0.20	3.88	1,546
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.36	1.20	1.67	16.1	0.00	0.00	4.20	4.20	0.00	0.98	0.98	—	3,974	3,974	0.06	0.16	0.39	4,024
Vendor	0.07	0.05	1.64	0.68	0.01	0.02	0.41	0.43	0.02	0.11	0.13	—	1,483	1,483	0.02	0.20	0.10	1,544
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.02	0.91	1.09	14.4	0.00	0.00	2.98	2.98	0.00	0.70	0.70	—	3,034	3,034	0.04	0.11	4.60	3,072
Vendor	0.05	0.04	1.14	0.48	0.01	0.02	0.29	0.31	0.02	0.08	0.10	—	1,059	1,059	0.01	0.14	1.19	1,103

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.17	0.20	2.63	0.00	0.00	0.54	0.54	0.00	0.13	0.13	—	502	502	0.01	0.02	0.76	509
Vendor	0.01	0.01	0.21	0.09	< 0.005	< 0.005	0.05	0.06	< 0.005	0.01	0.02	—	175	175	< 0.005	0.02	0.20	183
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. 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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.56	0.56	2.90	31.6	0.05	0.11	—	0.11	0.11	—	0.11	—	5,907	5,907	0.24	0.05	—	5,928
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.56	0.56	2.90	31.6	0.05	0.11	—	0.11	0.11	—	0.11	—	5,907	5,907	0.24	0.05	—	5,928
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	2.07	22.6	0.04	0.08	—	0.08	0.08	—	0.08	—	4,219	4,219	0.17	0.03	—	4,234
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.07	0.07	0.38	4.12	0.01	0.01	—	0.01	0.01	—	0.01	—	699	699	0.03	0.01	—	701
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.61	1.46	1.54	28.5	0.00	0.00	4.20	4.20	0.00	0.98	0.98	—	4,668	4,668	0.18	0.16	14.9	4,735
Vendor	0.08	0.06	1.52	0.66	0.01	0.02	0.41	0.43	0.02	0.11	0.13	—	1,481	1,481	0.02	0.20	3.88	1,546
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.36	1.20	1.67	16.1	0.00	0.00	4.20	4.20	0.00	0.98	0.98	—	3,974	3,974	0.06	0.16	0.39	4,024
Vendor	0.07	0.05	1.64	0.68	0.01	0.02	0.41	0.43	0.02	0.11	0.13	—	1,483	1,483	0.02	0.20	0.10	1,544
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.02	0.91	1.09	14.4	0.00	0.00	2.98	2.98	0.00	0.70	0.70	—	3,034	3,034	0.04	0.11	4.60	3,072
Vendor	0.05	0.04	1.14	0.48	0.01	0.02	0.29	0.31	0.02	0.08	0.10	—	1,059	1,059	0.01	0.14	1.19	1,103
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.17	0.20	2.63	0.00	0.00	0.54	0.54	0.00	0.13	0.13	—	502	502	0.01	0.02	0.76	509
Vendor	0.01	0.01	0.21	0.09	< 0.005	< 0.005	0.05	0.06	< 0.005	0.01	0.02	—	175	175	< 0.005	0.02	0.20	183
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2027) - Unmitigated

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

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

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.75	2.30	16.4	21.4	0.06	0.58	—	0.58	0.54	—	0.54	—	6,217	6,217	0.25	0.05	—	6,239
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.75	2.30	16.4	21.4	0.06	0.58	—	0.58	0.54	—	0.54	—	6,217	6,217	0.25	0.05	—	6,239
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	0.56	4.00	5.25	0.01	0.14	—	0.14	0.13	—	0.13	—	1,521	1,521	0.06	0.01	—	1,526
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.73	0.96	< 0.005	0.03	—	0.03	0.02	—	0.02	—	252	252	0.01	< 0.005	—	253
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.53	1.38	1.39	26.5	0.00	0.00	4.20	4.20	0.00	0.98	0.98	—	4,576	4,576	0.05	0.15	13.5	4,636
Vendor	0.08	0.06	1.45	0.64	0.01	0.02	0.41	0.43	0.02	0.11	0.13	—	1,448	1,448	0.02	0.19	3.59	1,510
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.31	1.15	1.52	15.0	0.00	0.00	4.20	4.20	0.00	0.98	0.98	—	3,897	3,897	0.06	0.15	0.35	3,944
Vendor	0.07	0.05	1.56	0.65	0.01	0.02	0.41	0.43	0.02	0.11	0.13	—	1,450	1,450	0.02	0.19	0.09	1,508
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.30	0.34	4.60	0.00	0.00	1.02	1.02	0.00	0.24	0.24	—	1,019	1,019	0.01	0.04	1.42	1,032
Vendor	0.02	0.01	0.37	0.15	< 0.005	0.01	0.10	0.10	0.01	0.03	0.03	—	354	354	< 0.005	0.05	0.38	369
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.06	0.84	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	169	169	< 0.005	0.01	0.24	171
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	58.7	58.7	< 0.005	0.01	0.06	61.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. 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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.56	0.56	2.90	31.6	0.05	0.11	—	0.11	0.11	—	0.11	—	5,906	5,906	0.24	0.05	—	5,926
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.56	0.56	2.90	31.6	0.05	0.11	—	0.11	0.11	—	0.11	—	5,906	5,906	0.24	0.05	—	5,926
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.14	0.71	7.73	0.01	0.03	—	0.03	0.03	—	0.03	—	1,445	1,445	0.06	0.01	—	1,450
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.13	1.41	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	239	239	0.01	< 0.005	—	240
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.53	1.38	1.39	26.5	0.00	0.00	4.20	4.20	0.00	0.98	0.98	—	4,576	4,576	0.05	0.15	13.5	4,636
Vendor	0.08	0.06	1.45	0.64	0.01	0.02	0.41	0.43	0.02	0.11	0.13	—	1,448	1,448	0.02	0.19	3.59	1,510
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.31	1.15	1.52	15.0	0.00	0.00	4.20	4.20	0.00	0.98	0.98	—	3,897	3,897	0.06	0.15	0.35	3,944
Vendor	0.07	0.05	1.56	0.65	0.01	0.02	0.41	0.43	0.02	0.11	0.13	—	1,450	1,450	0.02	0.19	0.09	1,508
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.30	0.34	4.60	0.00	0.00	1.02	1.02	0.00	0.24	0.24	—	1,019	1,019	0.01	0.04	1.42	1,032
Vendor	0.02	0.01	0.37	0.15	< 0.005	0.01	0.10	0.10	0.01	0.03	0.03	—	354	354	< 0.005	0.05	0.38	369

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.06	0.84	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	169	169	< 0.005	0.01	0.24	171
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	58.7	58.7	< 0.005	0.01	0.06	61.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.39	2.01	13.9	18.5	0.05	0.54	—	0.54	0.50	—	0.50	—	5,331	5,331	0.22	0.04	—	5,350
Paving	—	2.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.17	1.14	1.52	< 0.005	0.04	—	0.04	0.04	—	0.04	—	438	438	0.02	< 0.005	—	440
Paving	—	0.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.21	0.28	< 0.005	0.01	—	0.01	0.01	—	0.01	—	72.5	72.5	< 0.005	< 0.005	—	72.8

Paving	—	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.10	1.85	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	321	321	< 0.005	0.01	0.94	325
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	24.0	24.0	< 0.005	< 0.005	0.03	24.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.97	3.97	< 0.005	< 0.005	0.01	4.02
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Paving (2027) - Mitigated

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

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

Off-Road Equipment	0.78	0.73	4.21	29.4	0.05	0.17	—	0.17	0.16	—	0.16	—	5,331	5,331	0.22	0.04	—	5,350
Paving	—	2.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	0.35	2.41	< 0.005	0.01	—	0.01	0.01	—	0.01	—	438	438	0.02	< 0.005	—	440
Paving	—	0.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.44	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	72.5	72.5	< 0.005	< 0.005	—	72.8
Paving	—	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.10	1.85	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	321	321	< 0.005	0.01	0.94	325
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	24.0	24.0	< 0.005	< 0.005	0.03	24.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.97	3.97	< 0.005	< 0.005	0.01	4.02
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	0.83	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	109	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.0	11.0	< 0.005	< 0.005	—	11.0
Architectural Coatings	—	8.94	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.82	1.82	< 0.005	< 0.005	—	1.82
Architectural Coatings	—	1.63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.31	0.28	0.28	5.29	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	915	915	0.01	0.03	2.70	927
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.31	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	68.5	68.5	< 0.005	< 0.005	0.10	69.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.3	11.3	< 0.005	< 0.005	0.02	11.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. 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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	29.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	2.46	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	0.45	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.31	0.28	0.28	5.29	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	915	915	0.01	0.03	2.70	927
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.31	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	68.5	68.5	< 0.005	< 0.005	0.10	69.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.3	11.3	< 0.005	< 0.005	0.02	11.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	5/8/2025	6/4/2025	5.00	20.0	—
Building Construction	Building Construction	6/5/2025	5/5/2027	5.00	500	—
Paving	Paving	5/6/2027	6/16/2027	5.00	30.0	—
Architectural Coating	Architectural Coating	6/17/2027	7/28/2027	5.00	30.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Site Preparation	Off-Highway Trucks	Diesel	Average	3.00	7.64	376	0.38
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Off-Highway Trucks	Diesel	Average	3.00	7.64	376	0.38
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Paving	Off-Highway Trucks	Diesel	Average	3.00	7.64	376	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Final	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	4.00	8.00	84.0	0.37
Site Preparation	Off-Highway Trucks	Diesel	Tier 4 Final	3.00	7.64	376	0.38
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29

Building Construction	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Electric	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	7.00	84.0	0.37
Building Construction	Welders	Electric	Average	1.00	8.00	46.0	0.45
Building Construction	Off-Highway Trucks	Diesel	Tier 4 Final	3.00	7.64	376	0.38
Paving	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Paving	Off-Highway Trucks	Diesel	Tier 4 Final	3.00	7.64	376	0.38
Architectural Coating	Air Compressors	Electric	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	25.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	321	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	47.7	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	22.5	18.5	LDA,LDT1,LDT2

Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	64.2	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	25.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	321	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	47.7	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	22.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—

Architectural Coating	Worker	64.2	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

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	957,339	319,113	0.00	0.00	65,707

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 (sq. ft.)	Acres Paved (acres)
Site Preparation	0.00	0.00	30.0	0.00	—
Paving	0.00	0.00	0.00	0.00	25.1

5.6.2. Construction Earthmoving Control Strategies

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

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Low Rise	—	0%
Parking Lot	25.1	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	457	0.03	< 0.005
2026	0.00	457	0.03	< 0.005
2027	0.00	457	0.03	< 0.005

8. User Changes to Default Data

Screen	Justification
Land Use	Land use information adjusted based on site plan.
Construction: Construction Phases	Construction schedule updated with information from the project applicant.
Construction: Off-Road Equipment	Excavator hp increased to reflect project conditions. Water trucks added to site preparation, building construction, and paving phases.
Construction: On-Road Fugitive Dust	Assuming 1% of travel occurs on unpaved roads during the site preparation and grading phrases to account for site conditions.

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	10 S2 PA1 Northeast Residential
Construction Start Date	5/8/2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	7.60
Location	33.74274, -116.238658
County	Riverside-Salton Sea
City	Indio
Air District	South Coast AQMD
Air Basin	Salton Sea
TAZ	5657
EDFZ	19
Electric Utility	Imperial Irrigation District
Gas Utility	Southern California Gas
App Version	2022.1.1.20

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
Apartments Low Rise	794	Dwelling Unit	9.66	841,640	0.00	0.00	2,565	—

Parking Lot	22.9	Acre	22.9	0.00	149,808	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-1-A	Use Electric or Hybrid Powered Equipment
Construction	C-5	Use Advanced Engine Tiers
Construction	C-13	Use Low-VOC Paints for Construction

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.39	101	40.1	77.8	0.09	1.66	13.0	14.6	1.53	3.46	4.99	—	17,645	17,645	0.63	0.70	36.8	17,905
Mit.	4.00	24.7	8.86	88.6	0.09	0.18	13.0	13.1	0.18	3.46	3.63	—	17,334	17,334	0.62	0.69	36.8	17,593
% Reduced	37%	76%	78%	-14%	—	89%	—	10%	88%	—	27%	—	2%	2%	2%	< 0.5%	—	2%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.65	4.84	25.1	54.3	0.08	0.77	8.20	8.97	0.71	1.95	2.66	—	16,381	16,381	0.64	0.70	0.95	16,606
Mit.	3.26	2.93	9.30	65.1	0.08	0.15	8.20	8.35	0.15	1.95	2.11	—	16,070	16,070	0.63	0.69	0.95	16,294
% Reduced	42%	39%	63%	-20%	5%	80%	—	7%	78%	—	21%	—	2%	2%	2%	< 0.5%	—	2%

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.97	16.6	16.6	42.2	0.06	0.49	5.83	6.32	0.46	1.39	1.84	—	11,910	11,910	0.28	0.49	10.3	12,073
Mit.	2.32	4.55	6.14	49.9	0.06	0.11	5.83	5.94	0.11	1.39	1.50	—	11,688	11,688	0.27	0.49	10.3	11,850
% Reduced	42%	73%	63%	-18%	5%	78%	—	6%	76%	—	19%	—	2%	2%	3%	< 0.5%	—	2%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.73	3.04	3.03	7.71	0.01	0.09	1.06	1.15	0.08	0.25	0.34	—	1,972	1,972	0.05	0.08	1.71	1,999
Mit.	0.42	0.83	1.12	9.11	0.01	0.02	1.06	1.08	0.02	0.25	0.27	—	1,935	1,935	0.05	0.08	1.71	1,962
% Reduced	42%	73%	63%	-18%	5%	78%	—	6%	76%	—	19%	—	2%	2%	3%	< 0.5%	—	2%
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	100	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	Yes	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	100	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

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

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

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	6.39	5.60	40.1	77.8	0.09	1.66	13.0	14.6	1.53	3.46	4.99	—	17,645	17,645	0.63	0.70	36.8	17,905
2026	5.90	5.12	23.1	73.9	0.08	0.69	8.20	8.89	0.64	1.95	2.59	—	17,422	17,422	0.62	0.70	33.5	17,678
2027	5.71	4.95	21.9	70.3	0.08	0.64	8.20	8.84	0.59	1.95	2.54	—	17,197	17,197	0.38	0.66	30.4	17,435
2028	5.53	101	20.5	67.1	0.08	0.58	8.20	8.78	0.54	1.95	2.49	—	16,984	16,984	0.37	0.66	27.5	17,218
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	5.65	4.84	25.1	54.3	0.08	0.77	8.20	8.97	0.71	1.95	2.66	—	16,381	16,381	0.64	0.70	0.95	16,606
2026	5.44	4.66	23.5	52.0	0.08	0.69	8.20	8.89	0.64	1.95	2.59	—	16,188	16,188	0.41	0.70	0.87	16,407
2027	5.30	4.52	22.3	49.9	0.08	0.64	8.20	8.84	0.59	1.95	2.54	—	15,991	15,991	0.40	0.66	0.79	16,200
2028	4.90	4.37	20.9	47.8	0.08	0.58	8.20	8.78	0.54	1.95	2.49	—	15,804	15,804	0.40	0.66	0.71	16,012
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	2.68	2.30	12.8	27.2	0.04	0.43	4.18	4.61	0.40	1.03	1.43	—	7,274	7,274	0.27	0.27	6.13	7,368
2026	3.97	3.41	16.6	42.2	0.06	0.49	5.83	6.32	0.46	1.39	1.84	—	11,910	11,910	0.28	0.49	10.3	12,073
2027	3.86	3.31	15.7	40.5	0.06	0.46	5.83	6.28	0.42	1.39	1.81	—	11,761	11,761	0.27	0.47	9.38	11,919
2028	1.43	16.6	6.11	15.0	0.02	0.18	2.02	2.20	0.17	0.48	0.65	—	4,389	4,389	0.11	0.16	2.88	4,441
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.49	0.42	2.34	4.97	0.01	0.08	0.76	0.84	0.07	0.19	0.26	—	1,204	1,204	0.05	0.04	1.02	1,220
2026	0.73	0.62	3.03	7.71	0.01	0.09	1.06	1.15	0.08	0.25	0.34	—	1,972	1,972	0.05	0.08	1.71	1,999
2027	0.70	0.60	2.87	7.38	0.01	0.08	1.06	1.15	0.08	0.25	0.33	—	1,947	1,947	0.05	0.08	1.55	1,973
2028	0.26	3.04	1.11	2.74	< 0.005	0.03	0.37	0.40	0.03	0.09	0.12	—	727	727	0.02	0.03	0.48	735

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

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	4.00	3.69	8.86	88.6	0.09	0.18	13.0	13.1	0.18	3.46	3.63	—	17,334	17,334	0.62	0.69	36.8	17,593
2026	3.59	3.28	8.48	84.7	0.08	0.15	8.20	8.35	0.15	1.95	2.11	—	17,111	17,111	0.60	0.69	33.5	17,366
2027	3.45	3.14	8.10	81.1	0.08	0.15	8.20	8.35	0.15	1.95	2.11	—	16,886	16,886	0.37	0.66	30.4	17,123
2028	3.33	24.7	7.73	78.0	0.08	0.16	8.20	8.35	0.16	1.95	2.11	—	16,673	16,673	0.36	0.66	27.5	16,906
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	3.26	2.93	9.30	65.1	0.08	0.15	8.20	8.35	0.15	1.95	2.11	—	16,070	16,070	0.63	0.69	0.95	16,294
2026	3.14	2.82	8.92	62.8	0.08	0.15	8.20	8.35	0.15	1.95	2.11	—	15,877	15,877	0.40	0.69	0.87	16,095
2027	3.03	2.71	8.52	60.7	0.08	0.15	8.20	8.35	0.15	1.95	2.11	—	15,680	15,680	0.38	0.66	0.79	15,888
2028	2.69	2.62	8.17	58.7	0.08	0.15	8.20	8.35	0.15	1.95	2.11	—	15,493	15,493	0.38	0.66	0.71	15,701
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.38	1.26	3.84	32.1	0.04	0.07	4.18	4.26	0.07	1.03	1.10	—	7,155	7,155	0.27	0.27	6.13	7,248
2026	2.32	2.09	6.14	49.9	0.06	0.11	5.83	5.94	0.11	1.39	1.50	—	11,688	11,688	0.27	0.49	10.3	11,850
2027	2.24	2.02	5.85	48.2	0.06	0.11	5.83	5.94	0.11	1.39	1.50	—	11,539	11,539	0.26	0.47	9.38	11,696
2028	0.76	4.55	2.24	18.4	0.02	0.05	2.02	2.07	0.05	0.48	0.53	—	4,302	4,302	0.11	0.16	2.88	4,354
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.25	0.23	0.70	5.86	0.01	0.01	0.76	0.78	0.01	0.19	0.20	—	1,185	1,185	0.04	0.04	1.02	1,200
2026	0.42	0.38	1.12	9.11	0.01	0.02	1.06	1.08	0.02	0.25	0.27	—	1,935	1,935	0.05	0.08	1.71	1,962
2027	0.41	0.37	1.07	8.79	0.01	0.02	1.06	1.08	0.02	0.25	0.27	—	1,910	1,910	0.04	0.08	1.55	1,936
2028	0.14	0.83	0.41	3.37	< 0.005	0.01	0.37	0.38	0.01	0.09	0.10	—	712	712	0.02	0.03	0.48	721

3. Construction Emissions Details

3.1. Site Preparation (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.57	4.68	40.0	39.2	0.09	1.66	—	1.66	1.53	—	1.53	—	9,367	9,367	0.38	0.08	—	9,399
Dust From Material Movement	—	—	—	—	—	—	5.11	5.11	—	2.63	2.63	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.38	3.29	3.22	0.01	0.14	—	0.14	0.13	—	0.13	—	770	770	0.03	0.01	—	773
Dust From Material Movement	—	—	—	—	—	—	0.42	0.42	—	0.22	0.22	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.60	0.59	< 0.005	0.02	—	0.02	0.02	—	0.02	—	127	127	0.01	< 0.005	—	128
Dust From Material Movement	—	—	—	—	—	—	0.08	0.08	—	0.04	0.04	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.14	2.62	0.00	0.00	7.84	7.84	0.00	0.83	0.83	—	408	408	0.02	0.01	1.41	414
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.63	0.63	0.00	0.07	0.07	—	30.5	30.5	< 0.005	< 0.005	0.05	30.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.12	0.12	0.00	0.01	0.01	—	5.05	5.05	< 0.005	< 0.005	0.01	5.12
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.2. Site Preparation (2025) - Mitigated

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

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

Off-Road Equipment	0.88	0.88	4.59	48.3	0.09	0.18	—	0.18	0.18	—	0.18	—	9,367	9,367	0.38	0.08	—	9,399
Dust From Material Movement	—	—	—	—	—	—	5.11	5.11	—	2.63	2.63	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.38	3.97	0.01	0.01	—	0.01	0.01	—	0.01	—	770	770	0.03	0.01	—	773
Dust From Material Movement	—	—	—	—	—	—	0.42	0.42	—	0.22	0.22	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.73	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	127	127	0.01	< 0.005	—	128
Dust From Material Movement	—	—	—	—	—	—	0.08	0.08	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.14	2.62	0.00	0.00	7.84	7.84	0.00	0.83	0.83	—	408	408	0.02	0.01	1.41	414

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.63	0.63	0.00	0.07	0.07	—	30.5	30.5	< 0.005	< 0.005	0.05	30.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.12	0.12	0.00	0.01	0.01	—	5.05	5.05	< 0.005	< 0.005	0.01	5.12
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Building Construction (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.97	2.49	18.8	22.1	0.06	0.73	—	0.73	0.67	—	0.67	—	6,469	6,469	0.26	0.05	—	6,491
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.97	2.49	18.8	22.1	0.06	0.73	—	0.73	0.67	—	0.67	—	6,469	6,469	0.26	0.05	—	6,491

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.14	0.96	7.21	8.47	0.02	0.28	—	0.28	0.26	—	0.26	—	2,481	2,481	0.10	0.02	—	2,490
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.17	1.32	1.55	< 0.005	0.05	—	0.05	0.05	—	0.05	—	411	411	0.02	< 0.005	—	412
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.28	3.01	2.99	54.5	0.00	0.00	7.47	7.47	0.00	1.75	1.75	—	8,490	8,490	0.33	0.28	29.4	8,612
Vendor	0.14	0.10	2.83	1.26	0.02	0.04	0.73	0.76	0.04	0.20	0.24	—	2,686	2,686	0.03	0.36	7.40	2,802
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.55	2.26	3.23	31.0	0.00	0.00	7.47	7.47	0.00	1.75	1.75	—	7,223	7,223	0.35	0.28	0.76	7,317
Vendor	0.13	0.09	3.05	1.28	0.02	0.04	0.73	0.76	0.04	0.20	0.24	—	2,689	2,689	0.03	0.36	0.19	2,797
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.02	0.91	1.14	14.9	0.00	0.00	2.85	2.85	0.00	0.67	0.67	—	2,962	2,962	0.13	0.10	4.86	3,001
Vendor	0.05	0.04	1.15	0.49	0.01	0.01	0.28	0.29	0.01	0.08	0.09	—	1,031	1,031	0.01	0.14	1.22	1,073
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.19	0.17	0.21	2.71	0.00	0.00	0.52	0.52	0.00	0.12	0.12	—	490	490	0.02	0.02	0.80	497
Vendor	0.01	0.01	0.21	0.09	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	171	171	< 0.005	0.02	0.20	178
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Building Construction (2025) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.58	0.58	3.03	32.8	0.06	0.12	—	0.12	0.12	—	0.12	—	6,158	6,158	0.25	0.05	—	6,179
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.58	0.58	3.03	32.8	0.06	0.12	—	0.12	0.12	—	0.12	—	6,158	6,158	0.25	0.05	—	6,179
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	1.16	12.6	0.02	0.04	—	0.04	0.04	—	0.04	—	2,362	2,362	0.10	0.02	—	2,370
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.21	2.30	< 0.005	0.01	—	0.01	0.01	—	0.01	—	391	391	0.02	< 0.005	—	392

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.28	3.01	2.99	54.5	0.00	0.00	7.47	7.47	0.00	1.75	1.75	—	8,490	8,490	0.33	0.28	29.4	8,612
Vendor	0.14	0.10	2.83	1.26	0.02	0.04	0.73	0.76	0.04	0.20	0.24	—	2,686	2,686	0.03	0.36	7.40	2,802
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.55	2.26	3.23	31.0	0.00	0.00	7.47	7.47	0.00	1.75	1.75	—	7,223	7,223	0.35	0.28	0.76	7,317
Vendor	0.13	0.09	3.05	1.28	0.02	0.04	0.73	0.76	0.04	0.20	0.24	—	2,689	2,689	0.03	0.36	0.19	2,797
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.02	0.91	1.14	14.9	0.00	0.00	2.85	2.85	0.00	0.67	0.67	—	2,962	2,962	0.13	0.10	4.86	3,001
Vendor	0.05	0.04	1.15	0.49	0.01	0.01	0.28	0.29	0.01	0.08	0.09	—	1,031	1,031	0.01	0.14	1.22	1,073
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.17	0.21	2.71	0.00	0.00	0.52	0.52	0.00	0.12	0.12	—	490	490	0.02	0.02	0.80	497
Vendor	0.01	0.01	0.21	0.09	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	171	171	< 0.005	0.02	0.20	178
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Building Construction (2026) - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.89	2.43	17.6	22.0	0.06	0.65	—	0.65	0.60	—	0.60	—	6,473	6,473	0.26	0.05	—	6,495
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.89	2.43	17.6	22.0	0.06	0.65	—	0.65	0.60	—	0.60	—	6,473	6,473	0.26	0.05	—	6,495
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.07	1.73	12.6	15.7	0.04	0.47	—	0.47	0.43	—	0.43	—	4,624	4,624	0.19	0.04	—	4,640
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	0.32	2.30	2.87	0.01	0.09	—	0.09	0.08	—	0.08	—	766	766	0.03	0.01	—	768
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.87	2.60	2.73	50.7	0.00	0.00	7.47	7.47	0.00	1.75	1.75	—	8,311	8,311	0.32	0.28	26.6	8,430
Vendor	0.14	0.10	2.71	1.18	0.02	0.04	0.73	0.76	0.04	0.20	0.24	—	2,637	2,637	0.03	0.36	6.91	2,752
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.43	2.14	2.97	28.7	0.00	0.00	7.47	7.47	0.00	1.75	1.75	—	7,075	7,075	0.11	0.28	0.69	7,163
Vendor	0.13	0.09	2.92	1.22	0.02	0.04	0.73	0.76	0.04	0.20	0.24	—	2,640	2,640	0.03	0.36	0.18	2,748
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.81	1.61	1.94	25.6	0.00	0.00	5.31	5.31	0.00	1.24	1.24	—	5,402	5,402	0.07	0.19	8.19	5,469
Vendor	0.09	0.07	2.04	0.85	0.01	0.03	0.52	0.54	0.03	0.14	0.17	—	1,885	1,885	0.02	0.26	2.13	1,964
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.29	0.35	4.68	0.00	0.00	0.97	0.97	0.00	0.23	0.23	—	894	894	0.01	0.03	1.36	905
Vendor	0.02	0.01	0.37	0.16	< 0.005	< 0.005	0.09	0.10	< 0.005	0.03	0.03	—	312	312	< 0.005	0.04	0.35	325
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. 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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.58	0.58	3.03	32.8	0.06	0.12	—	0.12	0.12	—	0.12	—	6,162	6,162	0.25	0.05	—	6,183
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.58	0.58	3.03	32.8	0.06	0.12	—	0.12	0.12	—	0.12	—	6,162	6,162	0.25	0.05	—	6,183
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	0.42	2.16	23.5	0.04	0.08	—	0.08	0.08	—	0.08	—	4,401	4,401	0.18	0.04	—	4,416
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.08	0.39	4.28	0.01	0.02	—	0.02	0.02	—	0.02	—	729	729	0.03	0.01	—	731
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.87	2.60	2.73	50.7	0.00	0.00	7.47	7.47	0.00	1.75	1.75	—	8,311	8,311	0.32	0.28	26.6	8,430
Vendor	0.14	0.10	2.71	1.18	0.02	0.04	0.73	0.76	0.04	0.20	0.24	—	2,637	2,637	0.03	0.36	6.91	2,752
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.43	2.14	2.97	28.7	0.00	0.00	7.47	7.47	0.00	1.75	1.75	—	7,075	7,075	0.11	0.28	0.69	7,163
Vendor	0.13	0.09	2.92	1.22	0.02	0.04	0.73	0.76	0.04	0.20	0.24	—	2,640	2,640	0.03	0.36	0.18	2,748
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.81	1.61	1.94	25.6	0.00	0.00	5.31	5.31	0.00	1.24	1.24	—	5,402	5,402	0.07	0.19	8.19	5,469
Vendor	0.09	0.07	2.04	0.85	0.01	0.03	0.52	0.54	0.03	0.14	0.17	—	1,885	1,885	0.02	0.26	2.13	1,964

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.29	0.35	4.68	0.00	0.00	0.97	0.97	0.00	0.23	0.23	—	894	894	0.01	0.03	1.36	905
Vendor	0.02	0.01	0.37	0.16	< 0.005	< 0.005	0.09	0.10	< 0.005	0.03	0.03	—	312	312	< 0.005	0.04	0.35	325
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.85	2.39	16.8	22.0	0.06	0.60	—	0.60	0.55	—	0.55	—	6,472	6,472	0.26	0.05	—	6,494
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.85	2.39	16.8	22.0	0.06	0.60	—	0.60	0.55	—	0.55	—	6,472	6,472	0.26	0.05	—	6,494
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.03	1.71	12.0	15.7	0.04	0.43	—	0.43	0.39	—	0.39	—	4,623	4,623	0.19	0.04	—	4,639
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.37	0.31	2.19	2.87	0.01	0.08	—	0.08	0.07	—	0.07	—	765	765	0.03	0.01	—	768
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.73	2.46	2.48	47.1	0.00	0.00	7.47	7.47	0.00	1.75	1.75	—	8,146	8,146	0.09	0.27	24.0	8,253
Vendor	0.13	0.10	2.59	1.13	0.02	0.04	0.73	0.76	0.04	0.20	0.24	—	2,579	2,579	0.03	0.34	6.39	2,688
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.33	2.04	2.71	26.7	0.00	0.00	7.47	7.47	0.00	1.75	1.75	—	6,938	6,938	0.10	0.27	0.62	7,022
Vendor	0.13	0.09	2.78	1.15	0.02	0.04	0.73	0.76	0.04	0.20	0.24	—	2,581	2,581	0.03	0.34	0.17	2,684
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.73	1.54	1.75	23.9	0.00	0.00	5.31	5.31	0.00	1.24	1.24	—	5,296	5,296	0.06	0.19	7.41	5,362
Vendor	0.09	0.07	1.94	0.81	0.01	0.03	0.52	0.54	0.03	0.14	0.17	—	1,843	1,843	0.02	0.24	1.97	1,918
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.32	0.28	0.32	4.37	0.00	0.00	0.97	0.97	0.00	0.23	0.23	—	877	877	0.01	0.03	1.23	888
Vendor	0.02	0.01	0.35	0.15	< 0.005	< 0.005	0.09	0.10	< 0.005	0.03	0.03	—	305	305	< 0.005	0.04	0.33	318
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

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

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.58	0.58	3.03	32.8	0.06	0.12	—	0.12	0.12	—	0.12	—	6,160	6,160	0.25	0.05	—	6,182
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.58	0.58	3.03	32.8	0.06	0.12	—	0.12	0.12	—	0.12	—	6,160	6,160	0.25	0.05	—	6,182
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	0.42	2.16	23.5	0.04	0.08	—	0.08	0.08	—	0.08	—	4,400	4,400	0.18	0.04	—	4,415
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.08	0.39	4.28	0.01	0.02	—	0.02	0.02	—	0.02	—	729	729	0.03	0.01	—	731
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.73	2.46	2.48	47.1	0.00	0.00	7.47	7.47	0.00	1.75	1.75	—	8,146	8,146	0.09	0.27	24.0	8,253
Vendor	0.13	0.10	2.59	1.13	0.02	0.04	0.73	0.76	0.04	0.20	0.24	—	2,579	2,579	0.03	0.34	6.39	2,688
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.33	2.04	2.71	26.7	0.00	0.00	7.47	7.47	0.00	1.75	1.75	—	6,938	6,938	0.10	0.27	0.62	7,022
Vendor	0.13	0.09	2.78	1.15	0.02	0.04	0.73	0.76	0.04	0.20	0.24	—	2,581	2,581	0.03	0.34	0.17	2,684
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.73	1.54	1.75	23.9	0.00	0.00	5.31	5.31	0.00	1.24	1.24	—	5,296	5,296	0.06	0.19	7.41	5,362
Vendor	0.09	0.07	1.94	0.81	0.01	0.03	0.52	0.54	0.03	0.14	0.17	—	1,843	1,843	0.02	0.24	1.97	1,918
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.32	0.28	0.32	4.37	0.00	0.00	0.97	0.97	0.00	0.23	0.23	—	877	877	0.01	0.03	1.23	888
Vendor	0.02	0.01	0.35	0.15	< 0.005	< 0.005	0.09	0.10	< 0.005	0.03	0.03	—	305	305	< 0.005	0.04	0.33	318
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2028) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.78	2.34	15.8	21.9	0.06	0.54	—	0.54	0.50	—	0.50	—	6,474	6,474	0.26	0.05	—	6,497
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	2.78	2.34	15.8	21.9	0.06	0.54	—	0.54	0.50	—	0.50	—	6,474	6,474	0.26	0.05	—	6,497
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.60	0.50	3.40	4.73	0.01	0.12	—	0.12	0.11	—	0.11	—	1,394	1,394	0.06	0.01	—	1,398
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.62	0.86	< 0.005	0.02	—	0.02	0.02	—	0.02	—	231	231	0.01	< 0.005	—	232
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.63	2.36	2.22	44.1	0.00	0.00	7.47	7.47	0.00	1.75	1.75	—	7,992	7,992	0.08	0.27	21.6	8,096
Vendor	0.11	0.08	2.48	1.07	0.02	0.04	0.73	0.76	0.04	0.20	0.24	—	2,517	2,517	0.03	0.34	5.90	2,625
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.00	1.97	2.46	24.8	0.00	0.00	7.47	7.47	0.00	1.75	1.75	—	6,810	6,810	0.10	0.27	0.56	6,893
Vendor	0.11	0.07	2.67	1.11	0.02	0.04	0.73	0.76	0.04	0.20	0.24	—	2,520	2,520	0.03	0.34	0.15	2,622
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.45	0.44	0.47	6.70	0.00	0.00	1.60	1.60	0.00	0.38	0.38	—	1,566	1,566	0.02	0.06	2.01	1,586
Vendor	0.02	0.02	0.56	0.23	< 0.005	0.01	0.16	0.16	0.01	0.04	0.05	—	542	542	0.01	0.07	0.55	565

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.09	1.22	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	259	259	< 0.005	0.01	0.33	263
Vendor	< 0.005	< 0.005	0.10	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	89.7	89.7	< 0.005	0.01	0.09	93.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2028) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.58	0.58	3.03	32.8	0.06	0.12	—	0.12	0.12	—	0.12	—	6,163	6,163	0.25	0.05	—	6,184
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.58	0.58	3.03	32.8	0.06	0.12	—	0.12	0.12	—	0.12	—	6,163	6,163	0.25	0.05	—	6,184
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.13	0.65	7.07	0.01	0.03	—	0.03	0.03	—	0.03	—	1,327	1,327	0.05	0.01	—	1,331
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.02	0.02	0.12	1.29	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	220	220	0.01	< 0.005	—	220
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.63	2.36	2.22	44.1	0.00	0.00	7.47	7.47	0.00	1.75	1.75	—	7,992	7,992	0.08	0.27	21.6	8,096
Vendor	0.11	0.08	2.48	1.07	0.02	0.04	0.73	0.76	0.04	0.20	0.24	—	2,517	2,517	0.03	0.34	5.90	2,625
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.00	1.97	2.46	24.8	0.00	0.00	7.47	7.47	0.00	1.75	1.75	—	6,810	6,810	0.10	0.27	0.56	6,893
Vendor	0.11	0.07	2.67	1.11	0.02	0.04	0.73	0.76	0.04	0.20	0.24	—	2,520	2,520	0.03	0.34	0.15	2,622
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.45	0.44	0.47	6.70	0.00	0.00	1.60	1.60	0.00	0.38	0.38	—	1,566	1,566	0.02	0.06	2.01	1,586
Vendor	0.02	0.02	0.56	0.23	< 0.005	0.01	0.16	0.16	0.01	0.04	0.05	—	542	542	0.01	0.07	0.55	565
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.09	1.22	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	259	259	< 0.005	0.01	0.33	263
Vendor	< 0.005	< 0.005	0.10	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	89.7	89.7	< 0.005	0.01	0.09	93.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Paving (2028) - Unmitigated

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

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

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.42	2.03	13.5	18.9	0.05	0.50	—	0.50	0.46	—	0.46	—	5,588	5,588	0.23	0.05	—	5,607
Paving	—	1.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	0.22	1.48	2.07	0.01	0.05	—	0.05	0.05	—	0.05	—	612	612	0.02	< 0.005	—	614
Paving	—	0.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.27	0.38	< 0.005	0.01	—	0.01	0.01	—	0.01	—	101	101	< 0.005	< 0.005	—	102
Paving	—	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.10	1.93	0.00	0.00	0.33	0.33	0.00	0.08	0.08	—	350	350	< 0.005	0.01	0.94	354
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	34.9	34.9	< 0.005	< 0.005	0.04	35.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.77	5.77	< 0.005	< 0.005	0.01	5.85
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Paving (2028) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.79	0.74	4.30	30.6	0.05	0.16	—	0.16	0.16	—	0.16	—	5,588	5,588	0.23	0.05	—	5,607
Paving	—	1.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.09	0.08	0.47	3.36	0.01	0.02	—	0.02	0.02	—	0.02	—	612	612	0.02	< 0.005	—	614
Paving	—	0.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.09	0.61	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	101	101	< 0.005	< 0.005	—	102
Paving	—	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.10	1.93	0.00	0.00	0.33	0.33	0.00	0.08	0.08	—	350	350	< 0.005	0.01	0.94	354
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	34.9	34.9	< 0.005	< 0.005	0.04	35.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.77	5.77	< 0.005	< 0.005	0.01	5.85
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Architectural Coating (2028) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	0.81	1.12	< 0.005	0.02	—	0.02	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	101	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.12	0.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	20.1	20.1	< 0.005	< 0.005	—	20.2
Architectural Coatings	—	15.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.33	3.33	< 0.005	< 0.005	—	3.34
Architectural Coatings	—	2.77	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.53	0.47	0.44	8.81	0.00	0.00	1.49	1.49	0.00	0.35	0.35	—	1,598	1,598	0.02	0.05	4.32	1,619
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.07	0.94	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	219	219	< 0.005	0.01	0.28	222
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.17	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	36.3	36.3	< 0.005	< 0.005	0.05	36.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Architectural Coating (2028) - Mitigated

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

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

Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	24.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	3.65	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	0.67	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.53	0.47	0.44	8.81	0.00	0.00	1.49	1.49	0.00	0.35	0.35	—	1,598	1,598	0.02	0.05	4.32	1,619
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.07	0.94	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	219	219	< 0.005	0.01	0.28	222
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.17	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	36.3	36.3	< 0.005	< 0.005	0.05	36.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	5/8/2025	6/18/2025	5.00	30.0	—
Building Construction	Building Construction	6/19/2025	4/19/2028	5.00	740	—
Paving	Paving	4/20/2028	6/14/2028	5.00	40.0	—
Architectural Coating	Architectural Coating	6/15/2028	8/30/2028	5.00	55.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40

Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Site Preparation	Off-Highway Trucks	Diesel	Average	4.00	6.11	376	0.38
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Off-Highway Trucks	Diesel	Average	4.00	6.11	376	0.38
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Paving	Off-Highway Trucks	Diesel	Average	4.00	6.11	376	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Final	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	4.00	8.00	84.0	0.37
Site Preparation	Off-Highway Trucks	Diesel	Tier 4 Final	4.00	6.11	376	0.38
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Electric	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	7.00	84.0	0.37
Building Construction	Welders	Electric	Average	1.00	8.00	46.0	0.45
Building Construction	Off-Highway Trucks	Diesel	Tier 4 Final	4.00	6.11	376	0.38

Paving	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Paving	Off-Highway Trucks	Diesel	Tier 4 Final	4.00	6.11	376	0.38
Architectural Coating	Air Compressors	Electric	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	27.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	572	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	84.9	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	25.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	114	18.5	LDA,LDT1,LDT2

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

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	27.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	572	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	84.9	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	25.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	114	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

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	1,704,321	568,107	0.00	0.00	59,964

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 (sq. ft.)	Acres Paved (acres)
Site Preparation	0.00	0.00	45.0	0.00	—
Paving	0.00	0.00	0.00	0.00	22.9

5.6.2. Construction Earthmoving Control Strategies

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

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Low Rise	—	0%

Parking Lot	22.9	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	457	0.03	< 0.005
2026	0.00	457	0.03	< 0.005
2027	0.00	457	0.03	< 0.005
2028	0.00	457	0.03	< 0.005

8. User Changes to Default Data

Screen	Justification
Land Use	Land use values adjusted based on the site plan.
Construction: Off-Road Equipment	Excavator hp increased to reflect project conditions. Water trucks added to site preparation, building construction, and paving phases.
Construction: Construction Phases	Construction schedule updated with information from the project applicant.
Construction: On-Road Fugitive Dust	Assuming 1% of travel occurs on unpaved roads during the site preparation and grading phrases to account for site conditions.

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	11 S2 PA2 Commercial
Construction Start Date	5/8/2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	7.60
Location	33.743184, -116.235558
County	Riverside-Salton Sea
City	Indio
Air District	South Coast AQMD
Air Basin	Salton Sea
TAZ	5657
EDFZ	19
Electric Utility	Imperial Irrigation District
Gas Utility	Southern California Gas
App Version	2022.1.1.20

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
Convenience Market with Gas Pumps	16.0	Pump	0.11	5,000	0.00	0.00	—	—

Fast Food Restaurant with Drive Thru	3.10	1000sqft	0.07	3,100	0.00	0.00	—	—
Automobile Care Center	5.00	1000sqft	0.11	5,000	0.00	0.00	—	—
Parking Lot	4.27	Acre	4.27	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-1-A	Use Electric or Hybrid Powered Equipment
Construction	C-5	Use Advanced Engine Tiers

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.28	8.79	32.9	33.3	0.05	1.41	10.8	12.2	1.29	3.23	4.52	—	6,156	6,156	0.25	0.06	1.05	6,180
Mit.	0.67	8.67	2.97	33.0	0.05	0.11	10.8	10.9	0.11	3.23	3.34	—	6,156	6,156	0.25	0.06	1.05	6,180
% Reduced	84%	1%	91%	1%	—	92%	—	11%	91%	—	26%	—	> -0.5%	> -0.5%	—	—	—	> -0.5%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.60	1.34	11.7	14.6	0.03	0.47	0.08	0.55	0.44	0.02	0.45	—	3,086	3,086	0.12	0.04	0.01	3,099
Mit.	0.27	0.27	1.41	15.9	0.03	0.05	0.08	0.13	0.05	0.02	0.07	—	2,775	2,775	0.11	0.03	0.01	2,788

% Reduced	83%	80%	88%	-9%	14%	89%	—	77%	88%	—	85%	—	10%	10%	10%	7%	—	10%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.82	0.80	6.03	7.31	0.01	0.25	0.33	0.57	0.23	0.10	0.32	—	1,522	1,522	0.06	0.02	0.09	1,529
Mit.	0.14	0.58	0.70	7.86	0.01	0.03	0.33	0.35	0.03	0.10	0.12	—	1,386	1,386	0.06	0.02	0.09	1,392
% Reduced	83%	27%	88%	-8%	13%	90%	—	39%	89%	—	62%	—	9%	9%	9%	6%	—	9%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.15	0.15	1.10	1.33	< 0.005	0.04	0.06	0.10	0.04	0.02	0.06	—	252	252	0.01	< 0.005	0.02	253
Mit.	0.03	0.11	0.13	1.44	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	229	229	0.01	< 0.005	0.02	231
% Reduced	83%	27%	88%	-8%	13%	90%	—	39%	89%	—	62%	—	9%	9%	9%	6%	—	9%
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	100	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	100	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	4.28	3.60	32.9	33.3	0.05	1.41	10.8	12.2	1.29	3.23	4.52	—	6,156	6,156	0.25	0.06	1.03	6,180
2026	1.53	8.79	11.0	14.7	0.03	0.42	0.29	0.59	0.38	0.07	0.40	—	3,093	3,093	0.12	0.04	1.05	3,107
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.60	1.34	11.7	14.6	0.03	0.47	0.08	0.55	0.44	0.02	0.45	—	3,086	3,086	0.12	0.04	0.01	3,099
2026	1.53	1.28	11.0	14.5	0.03	0.42	0.08	0.49	0.38	0.02	0.40	—	3,084	3,084	0.12	0.04	0.01	3,097
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.82	0.68	6.03	7.31	0.01	0.25	0.33	0.57	0.23	0.10	0.32	—	1,522	1,522	0.06	0.02	0.09	1,529
2026	0.35	0.80	2.47	3.32	0.01	0.09	0.03	0.12	0.09	0.01	0.09	—	691	691	0.03	0.01	0.05	694
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.15	0.12	1.10	1.33	< 0.005	0.04	0.06	0.10	0.04	0.02	0.06	—	252	252	0.01	< 0.005	0.02	253
2026	0.06	0.15	0.45	0.61	< 0.005	0.02	0.01	0.02	0.02	< 0.005	0.02	—	114	114	< 0.005	< 0.005	0.01	115

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.67	0.66	2.97	33.0	0.05	0.11	10.8	10.9	0.11	3.23	3.34	—	6,156	6,156	0.25	0.06	1.03	6,180
2026	0.60	8.67	2.83	16.0	0.03	0.11	0.29	0.40	0.10	0.07	0.17	—	2,783	2,783	0.11	0.03	1.05	2,796
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2025	0.27	0.27	1.41	15.9	0.03	0.05	0.08	0.13	0.05	0.02	0.07	—	2,775	2,775	0.11	0.03	0.01	2,788
2026	0.27	0.27	1.40	15.8	0.03	0.05	0.08	0.13	0.05	0.02	0.07	—	2,773	2,773	0.11	0.03	0.01	2,786
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.14	0.14	0.70	7.86	0.01	0.03	0.33	0.35	0.03	0.10	0.12	—	1,386	1,386	0.06	0.02	0.09	1,392
2026	0.08	0.58	0.38	3.61	0.01	0.01	0.03	0.04	0.01	0.01	0.02	—	624	624	0.02	0.01	0.05	627
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.03	0.02	0.13	1.44	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	229	229	0.01	< 0.005	0.02	231
2026	0.01	0.11	0.07	0.66	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	103	103	< 0.005	< 0.005	0.01	104

3. Construction Emissions Details

3.1. Site Preparation (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.16	3.50	32.8	31.4	0.05	1.41	—	1.41	1.29	—	1.29	—	5,859	5,859	0.24	0.05	—	5,879
Dust From Material Movement	—	—	—	—	—	—	5.11	5.11	—	2.63	2.63	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.10	0.90	0.86	< 0.005	0.04	—	0.04	0.04	—	0.04	—	161	161	0.01	< 0.005	—	161
Dust From Material Movement	—	—	—	—	—	—	0.14	0.14	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.16	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	26.6	26.6	< 0.005	< 0.005	—	26.7
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.10	1.91	0.00	0.00	5.70	5.70	0.00	0.60	0.60	—	297	297	0.01	0.01	1.03	301
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.15	0.15	0.00	0.02	0.02	—	7.40	7.40	< 0.005	< 0.005	0.01	7.50
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.03	0.03	0.00	< 0.005	< 0.005	—	1.23	1.23	< 0.005	< 0.005	< 0.005	1.24
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.2. Site Preparation (2025) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.55	0.55	2.87	31.1	0.05	0.11	—	0.11	0.11	—	0.11	—	5,859	5,859	0.24	0.05	—	5,879
Dust From Material Movement	—	—	—	—	—	—	5.11	5.11	—	2.63	2.63	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.08	0.85	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	161	161	0.01	< 0.005	—	161
Dust From Material Movement	—	—	—	—	—	—	0.14	0.14	—	0.07	0.07	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.16	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	26.6	26.6	< 0.005	< 0.005	—	26.7
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.10	1.91	0.00	0.00	5.70	5.70	0.00	0.60	0.60	—	297	297	0.01	0.01	1.03	301
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.15	0.15	0.00	0.02	0.02	—	7.40	7.40	< 0.005	< 0.005	0.01	7.50
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.03	0.03	0.00	< 0.005	< 0.005	—	1.23	1.23	< 0.005	< 0.005	< 0.005	1.24
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Building Construction (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.57	1.32	11.6	14.3	0.03	0.47	—	0.47	0.44	—	0.44	—	2,961	2,961	0.12	0.02	—	2,971
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.57	1.32	11.6	14.3	0.03	0.47	—	0.47	0.44	—	0.44	—	2,961	2,961	0.12	0.02	—	2,971
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	0.58	5.09	6.26	0.01	0.21	—	0.21	0.19	—	0.19	—	1,298	1,298	0.05	0.01	—	1,302
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	0.93	1.14	< 0.005	0.04	—	0.04	0.03	—	0.03	—	215	215	0.01	< 0.005	—	216
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.43	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	66.9	66.9	< 0.005	< 0.005	0.23	67.8
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	67.9	67.9	< 0.005	0.01	0.19	70.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.03	0.24	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	56.9	56.9	< 0.005	< 0.005	0.01	57.6
Vendor	< 0.005	< 0.005	0.08	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	68.0	68.0	< 0.005	0.01	< 0.005	70.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	26.7	26.7	< 0.005	< 0.005	0.04	27.0
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	29.8	29.8	< 0.005	< 0.005	0.04	31.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.41	4.41	< 0.005	< 0.005	0.01	4.47
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.93	4.93	< 0.005	< 0.005	0.01	5.14
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Building Construction (2025) - Mitigated

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

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

Off-Road Equipment	0.25	0.25	1.30	15.6	0.02	0.05	—	0.05	0.05	—	0.05	—	2,650	2,650	0.11	0.02	—	2,659
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.25	1.30	15.6	0.02	0.05	—	0.05	0.05	—	0.05	—	2,650	2,650	0.11	0.02	—	2,659
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.57	6.83	0.01	0.02	—	0.02	0.02	—	0.02	—	1,161	1,161	0.05	0.01	—	1,165
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.10	1.25	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	192	192	0.01	< 0.005	—	193
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.43	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	66.9	66.9	< 0.005	< 0.005	0.23	67.8
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	67.9	67.9	< 0.005	0.01	0.19	70.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.03	0.24	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	56.9	56.9	< 0.005	< 0.005	0.01	57.6

Vendor	< 0.005	< 0.005	0.08	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	68.0	68.0	< 0.005	0.01	< 0.005	70.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	26.7	26.7	< 0.005	< 0.005	0.04	27.0
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	29.8	29.8	< 0.005	< 0.005	0.04	31.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.41	4.41	< 0.005	< 0.005	0.01	4.47
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.93	4.93	< 0.005	< 0.005	0.01	5.14
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Building Construction (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.50	1.26	10.9	14.2	0.03	0.42	—	0.42	0.38	—	0.38	—	2,961	2,961	0.12	0.02	—	2,971
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.50	1.26	10.9	14.2	0.03	0.42	—	0.42	0.38	—	0.38	—	2,961	2,961	0.12	0.02	—	2,971
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.24	2.10	2.73	0.01	0.08	—	0.08	0.07	—	0.07	—	568	568	0.02	< 0.005	—	570
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.38	0.50	< 0.005	0.01	—	0.01	0.01	—	0.01	—	94.0	94.0	< 0.005	< 0.005	—	94.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.40	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	65.5	65.5	< 0.005	< 0.005	0.21	66.4
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	66.7	66.7	< 0.005	0.01	0.17	69.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.23	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	55.7	55.7	< 0.005	< 0.005	0.01	56.4
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	66.8	66.8	< 0.005	0.01	< 0.005	69.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.4	11.4	< 0.005	< 0.005	0.02	11.6
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.8	12.8	< 0.005	< 0.005	0.01	13.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.89	1.89	< 0.005	< 0.005	< 0.005	1.91

Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.12	2.12	< 0.005	< 0.005	< 0.005	2.21
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. 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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.25	1.30	15.6	0.02	0.05	—	0.05	0.05	—	0.05	—	2,650	2,650	0.11	0.02	—	2,659
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.25	1.30	15.6	0.02	0.05	—	0.05	0.05	—	0.05	—	2,650	2,650	0.11	0.02	—	2,659
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.25	2.99	< 0.005	0.01	—	0.01	0.01	—	0.01	—	508	508	0.02	< 0.005	—	510
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.55	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	84.1	84.1	< 0.005	< 0.005	—	84.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.40	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	65.5	65.5	< 0.005	< 0.005	0.21	66.4
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	66.7	66.7	< 0.005	0.01	0.17	69.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.23	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	55.7	55.7	< 0.005	< 0.005	0.01	56.4
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	66.8	66.8	< 0.005	0.01	< 0.005	69.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.4	11.4	< 0.005	< 0.005	0.02	11.6
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.8	12.8	< 0.005	< 0.005	0.01	13.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.89	1.89	< 0.005	< 0.005	< 0.005	1.91
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.12	2.12	< 0.005	< 0.005	< 0.005	2.21
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Paving (2026) - Unmitigated

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

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

Off-Road Equipment	1.04	0.87	7.31	10.1	0.02	0.30	—	0.30	0.27	—	0.27	—	1,914	1,914	0.08	0.02	—	1,920
Paving	—	0.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.30	0.41	< 0.005	0.01	—	0.01	0.01	—	0.01	—	78.7	78.7	< 0.005	< 0.005	—	78.9
Paving	—	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.0	13.0	< 0.005	< 0.005	—	13.1
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.11	1.99	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	327	327	0.01	0.01	1.05	332
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12.2	12.2	< 0.005	< 0.005	0.02	12.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.03	2.03	< 0.005	< 0.005	< 0.005	2.05
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Paving (2026) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	0.43	2.73	12.1	0.02	0.11	—	0.11	0.10	—	0.10	—	1,914	1,914	0.08	0.02	—	1,920
Paving	—	0.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.11	0.50	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	78.7	78.7	< 0.005	< 0.005	—	78.9
Paving	—	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.0	13.0	< 0.005	< 0.005	—	13.1
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.11	1.99	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	327	327	0.01	0.01	1.05	332
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12.2	12.2	< 0.005	< 0.005	0.02	12.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.03	2.03	< 0.005	< 0.005	< 0.005	2.05
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Architectural Coating (2026) - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	8.66	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.32	7.32	< 0.005	< 0.005	—	7.34
Architectural Coatings	—	0.47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.21	1.21	< 0.005	< 0.005	—	1.22
Architectural Coatings	—	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.08	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13.1	13.1	< 0.005	< 0.005	0.04	13.3

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.65	0.65	< 0.005	< 0.005	< 0.005	0.66
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.11	0.11	< 0.005	< 0.005	< 0.005	0.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Architectural Coating (2026) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	8.66	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	0.47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.08	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13.1	13.1	< 0.005	< 0.005	0.04	13.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.65	0.65	< 0.005	< 0.005	< 0.005	0.66

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.11	0.11	< 0.005	< 0.005	< 0.005	0.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	5/8/2025	5/21/2025	5.00	10.0	—
Building Construction	Building Construction	5/22/2025	4/8/2026	5.00	230	—
Paving	Paving	4/9/2026	4/29/2026	5.00	15.0	—
Architectural Coating	Architectural Coating	4/30/2026	5/27/2026	5.00	20.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Site Preparation	Off-Highway Trucks	Diesel	Average	1.00	3.38	376	0.38
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74

Building Construction	Tractors/Loaders/Backh	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Off-Highway Trucks	Diesel	Average	1.00	3.38	376	0.38
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	6.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	6.00	36.0	0.38
Paving	Cement and Mortar Mixers	Diesel	Average	2.00	6.00	10.0	0.56
Paving	Tractors/Loaders/Backh oes	Diesel	Average	1.00	8.00	84.0	0.37
Paving	Off-Highway Trucks	Diesel	Average	1.00	3.38	376	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Final	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backh oes	Diesel	Tier 4 Final	4.00	8.00	84.0	0.37
Site Preparation	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	3.38	376	0.38
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Electric	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backh oes	Diesel	Tier 4 Final	3.00	7.00	84.0	0.37
Building Construction	Welders	Electric	Average	1.00	8.00	46.0	0.45
Building Construction	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	3.38	376	0.38
Paving	Pavers	Diesel	Tier 4 Final	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	2.00	6.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	6.00	36.0	0.38

Paving	Cement and Mortar Mixers	Diesel	Average	2.00	6.00	10.0	0.56
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Paving	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	3.38	376	0.38
Architectural Coating	Air Compressors	Electric	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	20.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	4.50	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	2.15	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	22.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.90	18.5	LDA,LDT1,LDT2

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

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	20.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	4.50	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	2.15	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	22.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.90	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

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	19,650	6,550	11,166

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 (sq. ft.)	Acres Paved (acres)
Site Preparation	0.00	0.00	15.0	0.00	—
Paving	0.00	0.00	0.00	0.00	4.27

5.6.2. Construction Earthmoving Control Strategies

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

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Convenience Market with Gas Pumps	0.00	0%

Fast Food Restaurant with Drive Thru	0.00	0%
Automobile Care Center	0.00	0%
Parking Lot	4.27	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	457	0.03	< 0.005
2026	0.00	457	0.03	< 0.005

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Construction schedule updated with information from the project applicant.
Construction: Off-Road Equipment	Increased excavator hp based on project conditions. Water trucks added to site preparation, grading, building construction, and paving phases.
Land Use	Land uses updated based on site plan.
Construction: On-Road Fugitive Dust	Assuming 1% of travel occurs on unpaved roads during the site preparation and grading phrases to account for site conditions.

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	12 S2 PA3 Commercial
Construction Start Date	5/8/2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	7.60
Location	33.740611, -116.235967
County	Riverside-Salton Sea
City	Indio
Air District	South Coast AQMD
Air Basin	Salton Sea
TAZ	5657
EDFZ	19
Electric Utility	Imperial Irrigation District
Gas Utility	Southern California Gas
App Version	2022.1.1.20

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
Supermarket	49.5	1000sqft	1.14	49,500	0.00	0.00	—	—

Fast Food Restaurant with Drive Thru	5.00	1000sqft	0.11	5,000	0.00	0.00	—	—
Fast Food Restaurant with Drive Thru	4.00	1000sqft	0.09	4,000	0.00	0.00	—	—
Hotel	128	Room	4.27	185,856	0.00	0.00	—	—
Parking Lot	3.93	Acre	3.93	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-1-A	Use Electric or Hybrid Powered Equipment
Construction	C-5	Use Advanced Engine Tiers
Construction	C-13	Use Low-VOC Paints for Construction

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.53	116	34.2	34.7	0.06	1.45	10.8	12.3	1.34	3.23	4.57	—	6,784	6,784	0.27	0.25	8.51	6,810
Mit.	1.30	13.8	5.32	36.1	0.06	0.14	10.8	10.9	0.14	3.23	3.35	—	6,784	6,784	0.27	0.25	8.51	6,811
% Reduced	71%	88%	84%	-4%	—	90%	—	11%	90%	—	27%	—	> -0.5%	> -0.5%	—	1%	—	> -0.5%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	2.32	1.96	14.9	21.6	0.04	0.54	1.62	2.16	0.50	0.39	0.89	—	6,092	6,092	0.22	0.25	0.22	6,172
Mit.	1.17	1.03	5.46	21.3	0.04	0.14	1.62	1.76	0.14	0.39	0.53	—	5,781	5,781	0.21	0.25	0.22	5,860
% Reduced	50%	48%	63%	1%	9%	73%	—	18%	72%	—	40%	—	5%	5%	6%	1%	—	5%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.18	7.20	7.69	11.1	0.02	0.29	1.12	1.41	0.27	0.30	0.56	—	2,901	2,901	0.10	0.11	1.58	2,937
Mit.	0.53	1.22	2.43	11.1	0.02	0.07	1.12	1.19	0.06	0.30	0.36	—	2,769	2,769	0.10	0.11	1.58	2,804
% Reduced	55%	83%	68%	< 0.5%	8%	77%	—	16%	76%	—	36%	—	5%	5%	5%	1%	—	5%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.22	1.31	1.40	2.03	< 0.005	0.05	0.21	0.26	0.05	0.05	0.10	—	480	480	0.02	0.02	0.26	486
Mit.	0.10	0.22	0.44	2.02	< 0.005	0.01	0.21	0.22	0.01	0.05	0.07	—	458	458	0.02	0.02	0.26	464
% Reduced	55%	83%	68%	< 0.5%	8%	77%	—	16%	76%	—	36%	—	5%	5%	5%	1%	—	5%
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	100	550	—	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	Yes	No	No	—	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	—	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	100	550	—	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	—	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	—	—	—	No	—	—	No	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	4.53	3.82	34.2	34.7	0.06	1.45	10.8	12.3	1.34	3.23	4.57	—	6,784	6,784	0.27	0.25	8.51	6,810
2026	2.31	116	13.9	24.8	0.04	0.48	1.62	2.10	0.44	0.39	0.83	—	6,254	6,254	0.22	0.25	7.80	6,341
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	2.32	1.96	14.9	21.6	0.04	0.54	1.62	2.16	0.50	0.39	0.89	—	6,092	6,092	0.22	0.25	0.22	6,172
2026	2.23	1.88	14.0	21.1	0.04	0.48	1.62	2.10	0.44	0.39	0.83	—	6,045	6,045	0.18	0.25	0.20	6,123
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.18	1.00	7.69	11.1	0.02	0.29	1.12	1.41	0.27	0.30	0.56	—	2,901	2,901	0.10	0.11	1.58	2,937
2026	0.99	7.20	6.11	9.75	0.02	0.21	0.67	0.88	0.20	0.16	0.36	—	2,616	2,616	0.08	0.10	1.38	2,649
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.22	0.18	1.40	2.03	< 0.005	0.05	0.21	0.26	0.05	0.05	0.10	—	480	480	0.02	0.02	0.26	486
2026	0.18	1.31	1.12	1.78	< 0.005	0.04	0.12	0.16	0.04	0.03	0.07	—	433	433	0.01	0.02	0.23	439

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.30	1.16	5.32	36.1	0.06	0.14	10.8	10.9	0.14	3.23	3.35	—	6,784	6,784	0.27	0.25	8.51	6,811
2026	1.22	13.8	5.05	24.7	0.04	0.14	1.62	1.76	0.13	0.39	0.53	—	5,944	5,944	0.20	0.25	7.80	6,030

Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.17	1.03	5.46	21.3	0.04	0.14	1.62	1.76	0.14	0.39	0.53	—	5,781	5,781	0.21	0.25	0.22	5,860
2026	1.14	1.00	5.19	20.9	0.04	0.14	1.62	1.76	0.13	0.39	0.53	—	5,734	5,734	0.17	0.25	0.20	5,811
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.53	0.47	2.43	11.1	0.02	0.07	1.12	1.19	0.06	0.30	0.36	—	2,769	2,769	0.10	0.11	1.58	2,804
2026	0.50	1.22	2.20	9.83	0.02	0.06	0.67	0.73	0.06	0.16	0.22	—	2,486	2,486	0.07	0.10	1.38	2,518
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.10	0.09	0.44	2.02	< 0.005	0.01	0.21	0.22	0.01	0.05	0.07	—	458	458	0.02	0.02	0.26	464
2026	0.09	0.22	0.40	1.79	< 0.005	0.01	0.12	0.13	0.01	0.03	0.04	—	412	412	0.01	0.02	0.23	417

3. Construction Emissions Details

3.1. Site Preparation (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.42	3.71	34.1	32.8	0.06	1.45	—	1.45	1.34	—	1.34	—	6,487	6,487	0.26	0.05	—	6,509
Dust From Material Movement	—	—	—	—	—	—	5.11	5.11	—	2.63	2.63	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.15	1.40	1.35	< 0.005	0.06	—	0.06	0.05	—	0.05	—	267	267	0.01	< 0.005	—	267
Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.26	0.25	< 0.005	0.01	—	0.01	0.01	—	0.01	—	44.1	44.1	< 0.005	< 0.005	—	44.3
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.10	1.91	0.00	0.00	5.70	5.70	0.00	0.60	0.60	—	297	297	0.01	0.01	1.03	301
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.23	0.23	0.00	0.02	0.02	—	11.1	11.1	< 0.005	< 0.005	0.02	11.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.04	0.04	0.00	< 0.005	< 0.005	—	1.84	1.84	< 0.005	< 0.005	< 0.005	1.86
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.2. Site Preparation (2025) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61	0.61	3.18	34.2	0.06	0.12	—	0.12	0.12	—	0.12	—	6,487	6,487	0.26	0.05	—	6,509
Dust From Material Movement	—	—	—	—	—	—	5.11	5.11	—	2.63	2.63	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.13	1.40	< 0.005	0.01	—	0.01	0.01	—	0.01	—	267	267	0.01	< 0.005	—	267

Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	44.1	44.1	< 0.005	< 0.005	—	44.3
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.10	1.91	0.00	0.00	5.70	5.70	0.00	0.60	0.60	—	297	297	0.01	0.01	1.03	301
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.23	0.23	0.00	0.02	0.02	—	11.1	11.1	< 0.005	< 0.005	0.02	11.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.04	0.04	0.00	< 0.005	< 0.005	—	1.84	1.84	< 0.005	< 0.005	< 0.005	1.86
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Building Construction (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.82	1.53	12.9	15.7	0.03	0.52	—	0.52	0.48	—	0.48	—	3,589	3,589	0.15	0.03	—	3,601
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.82	1.53	12.9	15.7	0.03	0.52	—	0.52	0.48	—	0.48	—	3,589	3,589	0.15	0.03	—	3,601
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	0.65	5.47	6.66	0.01	0.22	—	0.22	0.20	—	0.20	—	1,524	1,524	0.06	0.01	—	1,529
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.00	1.22	< 0.005	0.04	—	0.04	0.04	—	0.04	—	252	252	0.01	< 0.005	—	253
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.56	0.51	0.51	9.31	0.00	0.00	1.28	1.28	0.00	0.30	0.30	—	1,451	1,451	0.06	0.05	5.02	1,471
Vendor	0.07	0.05	1.34	0.59	0.01	0.02	0.34	0.36	0.02	0.09	0.11	—	1,267	1,267	0.02	0.17	3.49	1,322
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.44	0.39	0.55	5.29	0.00	0.00	1.28	1.28	0.00	0.30	0.30	—	1,234	1,234	0.06	0.05	0.13	1,250
Vendor	0.06	0.04	1.44	0.61	0.01	0.02	0.34	0.36	0.02	0.09	0.11	—	1,269	1,269	0.02	0.17	0.09	1,320
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.17	0.22	2.81	0.00	0.00	0.54	0.54	0.00	0.13	0.13	—	560	560	0.02	0.02	0.92	568
Vendor	0.03	0.02	0.60	0.26	< 0.005	0.01	0.14	0.15	0.01	0.04	0.05	—	538	538	0.01	0.07	0.64	561
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.04	0.51	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	92.8	92.8	< 0.005	< 0.005	0.15	94.0
Vendor	< 0.005	< 0.005	0.11	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	89.1	89.1	< 0.005	0.01	0.11	92.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Building Construction (2025) - Mitigated

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

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

Off-Road Equipment	0.67	0.60	3.47	15.5	0.03	0.13	—	0.13	0.12	—	0.12	—	3,278	3,278	0.13	0.03	—	3,289
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	0.60	3.47	15.5	0.03	0.13	—	0.13	0.12	—	0.12	—	3,278	3,278	0.13	0.03	—	3,289
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.25	1.48	6.56	0.01	0.05	—	0.05	0.05	—	0.05	—	1,392	1,392	0.06	0.01	—	1,397
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.27	1.20	< 0.005	0.01	—	0.01	0.01	—	0.01	—	230	230	0.01	< 0.005	—	231
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.56	0.51	0.51	9.31	0.00	0.00	1.28	1.28	0.00	0.30	0.30	—	1,451	1,451	0.06	0.05	5.02	1,471
Vendor	0.07	0.05	1.34	0.59	0.01	0.02	0.34	0.36	0.02	0.09	0.11	—	1,267	1,267	0.02	0.17	3.49	1,322
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.44	0.39	0.55	5.29	0.00	0.00	1.28	1.28	0.00	0.30	0.30	—	1,234	1,234	0.06	0.05	0.13	1,250

Vendor	0.06	0.04	1.44	0.61	0.01	0.02	0.34	0.36	0.02	0.09	0.11	—	1,269	1,269	0.02	0.17	0.09	1,320
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.17	0.22	2.81	0.00	0.00	0.54	0.54	0.00	0.13	0.13	—	560	560	0.02	0.02	0.92	568
Vendor	0.03	0.02	0.60	0.26	< 0.005	0.01	0.14	0.15	0.01	0.04	0.05	—	538	538	0.01	0.07	0.64	561
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.04	0.51	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	92.8	92.8	< 0.005	< 0.005	0.15	94.0
Vendor	< 0.005	< 0.005	0.11	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	89.1	89.1	< 0.005	0.01	0.11	92.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Building Construction (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.75	1.47	12.1	15.6	0.03	0.46	—	0.46	0.42	—	0.42	—	3,590	3,590	0.15	0.03	—	3,602
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.75	1.47	12.1	15.6	0.03	0.46	—	0.46	0.42	—	0.42	—	3,590	3,590	0.15	0.03	—	3,602
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.70	0.58	4.82	6.21	0.01	0.18	—	0.18	0.17	—	0.17	—	1,426	1,426	0.06	0.01	—	1,431
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	0.88	1.13	< 0.005	0.03	—	0.03	0.03	—	0.03	—	236	236	0.01	< 0.005	—	237
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.49	0.44	0.47	8.66	0.00	0.00	1.28	1.28	0.00	0.30	0.30	—	1,420	1,420	0.05	0.05	4.54	1,440
Vendor	0.06	0.05	1.28	0.55	0.01	0.02	0.34	0.36	0.02	0.09	0.11	—	1,244	1,244	0.02	0.17	3.26	1,299
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.41	0.37	0.51	4.90	0.00	0.00	1.28	1.28	0.00	0.30	0.30	—	1,209	1,209	0.02	0.05	0.12	1,224
Vendor	0.06	0.04	1.38	0.57	0.01	0.02	0.34	0.36	0.02	0.09	0.11	—	1,246	1,246	0.02	0.17	0.08	1,297
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.15	0.18	2.44	0.00	0.00	0.50	0.50	0.00	0.12	0.12	—	513	513	0.01	0.02	0.78	520
Vendor	0.02	0.02	0.53	0.22	< 0.005	0.01	0.14	0.14	0.01	0.04	0.04	—	495	495	0.01	0.07	0.56	515
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.44	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	85.0	85.0	< 0.005	< 0.005	0.13	86.0

Vendor	< 0.005	< 0.005	0.10	0.04	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	81.9	81.9	< 0.005	0.01	0.09	85.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. 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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	0.59	3.31	15.5	0.03	0.12	—	0.12	0.11	—	0.11	—	3,279	3,279	0.13	0.03	—	3,290
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	0.59	3.31	15.5	0.03	0.12	—	0.12	0.11	—	0.11	—	3,279	3,279	0.13	0.03	—	3,290
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	0.24	1.31	6.14	0.01	0.05	—	0.05	0.05	—	0.05	—	1,302	1,302	0.05	0.01	—	1,307
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.24	1.12	< 0.005	0.01	—	0.01	0.01	—	0.01	—	216	216	0.01	< 0.005	—	216
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.49	0.44	0.47	8.66	0.00	0.00	1.28	1.28	0.00	0.30	0.30	—	1,420	1,420	0.05	0.05	4.54	1,440
Vendor	0.06	0.05	1.28	0.55	0.01	0.02	0.34	0.36	0.02	0.09	0.11	—	1,244	1,244	0.02	0.17	3.26	1,299
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.41	0.37	0.51	4.90	0.00	0.00	1.28	1.28	0.00	0.30	0.30	—	1,209	1,209	0.02	0.05	0.12	1,224
Vendor	0.06	0.04	1.38	0.57	0.01	0.02	0.34	0.36	0.02	0.09	0.11	—	1,246	1,246	0.02	0.17	0.08	1,297
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.15	0.18	2.44	0.00	0.00	0.50	0.50	0.00	0.12	0.12	—	513	513	0.01	0.02	0.78	520
Vendor	0.02	0.02	0.53	0.22	< 0.005	0.01	0.14	0.14	0.01	0.04	0.04	—	495	495	0.01	0.07	0.56	515
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.44	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	85.0	85.0	< 0.005	< 0.005	0.13	86.0
Vendor	< 0.005	< 0.005	0.10	0.04	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	81.9	81.9	< 0.005	0.01	0.09	85.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Paving (2026) - Unmitigated

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

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

Off-Road Equipment	1.38	1.16	9.40	12.6	0.02	0.40	—	0.40	0.37	—	0.37	—	2,703	2,703	0.11	0.02	—	2,713
Paving	—	0.51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.51	0.69	< 0.005	0.02	—	0.02	0.02	—	0.02	—	148	148	0.01	< 0.005	—	149
Paving	—	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.09	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	24.5	24.5	< 0.005	< 0.005	—	24.6
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.08	1.55	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	254	254	0.01	0.01	0.81	258
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12.7	12.7	< 0.005	< 0.005	0.02	12.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.10	2.10	< 0.005	< 0.005	< 0.005	2.13
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Paving (2026) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.54	0.49	2.94	16.5	0.02	0.12	—	0.12	0.11	—	0.11	—	2,703	2,703	0.11	0.02	—	2,713
Paving	—	0.51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.16	0.90	< 0.005	0.01	—	0.01	0.01	—	0.01	—	148	148	0.01	< 0.005	—	149
Paving	—	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.03	0.16	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	24.5	24.5	< 0.005	< 0.005	—	24.6
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.08	1.55	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	254	254	0.01	0.01	0.81	258
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12.7	12.7	< 0.005	< 0.005	0.02	12.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.10	2.10	< 0.005	< 0.005	< 0.005	2.13
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Architectural Coating (2026) - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	116	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.32	7.32	< 0.005	< 0.005	—	7.34
Architectural Coatings	—	6.34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.21	1.21	< 0.005	< 0.005	—	1.22
Architectural Coatings	—	1.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.09	1.73	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	284	284	0.01	0.01	0.91	288

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.07	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	14.2	14.2	< 0.005	< 0.005	0.02	14.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.34	2.34	< 0.005	< 0.005	< 0.005	2.37
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Architectural Coating (2026) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	13.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	0.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	0.14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.09	1.73	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	284	284	0.01	0.01	0.91	288
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.07	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	14.2	14.2	< 0.005	< 0.005	0.02	14.3

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.34	2.34	< 0.005	< 0.005	< 0.005	2.37
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	5/8/2025	5/28/2025	5.00	15.0	—
Building Construction	Building Construction	5/29/2025	7/22/2026	5.00	300	—
Paving	Paving	7/23/2026	8/19/2026	5.00	20.0	—
Architectural Coating	Architectural Coating	8/20/2026	9/16/2026	5.00	20.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Site Preparation	Off-Highway Trucks	Diesel	Average	1.00	7.16	376	0.38
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74

Building Construction	Tractors/Loaders/Backh	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Off-Highway Trucks	Diesel	Average	1.00	7.16	376	0.38
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Paving	Off-Highway Trucks	Diesel	Average	1.00	7.16	376	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Final	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backh oes	Diesel	Tier 4 Final	4.00	8.00	84.0	0.37
Site Preparation	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	7.16	376	0.38
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Electric	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backh oes	Diesel	Tier 4 Final	3.00	7.00	84.0	0.37
Building Construction	Welders	Electric	Average	1.00	8.00	46.0	0.45
Building Construction	Off-Highway Trucks	Diesel	Average	1.00	7.16	376	0.38
Paving	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Paving	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	7.16	376	0.38
Architectural Coating	Air Compressors	Electric	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	20.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	97.7	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	40.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	17.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	19.5	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix

Site Preparation	—	—	—	—
Site Preparation	Worker	20.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	97.7	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	40.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	17.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	19.5	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

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	366,534	122,178	10,274

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 (sq. ft.)	Acres Paved (acres)
Site Preparation	0.00	0.00	22.5	0.00	—
Paving	0.00	0.00	0.00	0.00	3.93

5.6.2. Construction Earthmoving Control Strategies

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

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Supermarket	0.00	0%
Fast Food Restaurant with Drive Thru	0.00	0%
Fast Food Restaurant with Drive Thru	0.00	0%
Hotel	0.00	0%
Parking Lot	3.93	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	457	0.03	< 0.005
2026	0.00	457	0.03	< 0.005

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Construction schedule updated with information from the project applicant.
Construction: Off-Road Equipment	Excavator hp increased to reflect project conditions. Water trucks added to site preparation, building construction, and paving phases.
Construction: On-Road Fugitive Dust	Assuming 1% of travel occurs on unpaved roads during the site preparation and grading phrases to account for site conditions.

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CalEEMod Operational Emission Summaries and Output Files

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Maximum Buildout Scenario Unmitigated Emissions	Maximum Daily Regional Emissions (lbs/day					
	VOC	NO_x	CO	SO_2	PM_{10}	$PM_{2.5}$
Area	148.8	48.4	285.2	0.3	4.1	4.1
Energy	1.3	23.2	13.7	0.1	1.8	1.8
Mobile	80.5	189.8	604.8	2.6	178.8	48.4
Off-Road	0.0	4.5	0.3	0.0	0.0	0.0
Stationary	4.1	0.0	0.0	0.0	0.0	0.0
Total	**234.8**	**265.9**	**903.9**	**3.1**	**184.8**	**54.4**
SCAQMD CEQA Threshold	**55.0**	**55.0**	**550.0**	**150.0**	**150.0**	**55.0**
Threshold Exceeded?	**Yes**	**Yes**	**Yes**	**No**	**Yes**	**No**

Maximum Buildout Scenario Unmitigated Emissions	Maximum Daily SUMMER Regional Emissions (lbs/day)					
	VOC	NO_x	CO	SO_2	PM_{10}	$PM_{2.5}$
Area	148.8	50.7	285.2	0.3	4.1	4.1
Energy	1.3	23.2	13.7	0.1	1.8	1.8
Mobile	80.5	176.6	604.8	2.6	178.8	48.4
Off-Road	0.0	4.5	0.3	0.0	0.0	0.0
Stationary	4.1	0.0	0.0	0.0	0.0	0.0
Total	**234.8**	**255.0**	**903.9**	**3.1**	**184.8**	**54.4**
SCAQMD CEQA Threshold	**55.0**	**55.0**	**550.0**	**150.0**	**150.0**	**55.0**
Threshold Exceeded?	**Yes**	**Yes**	**Yes**	**No**	**Yes**	**No**

Maximum Buildout Scenario Unmitigated Emissions	Maximum Daily Winter Regional Emissions (lbs/day)					
	VOC	NO_x	CO	SO_2	PM_{10}	$PM_{2.5}$
Area	119.8	48.4	20.6	0.3	3.9	3.9
Energy	1.3	23.2	13.7	0.1	1.8	1.8
Mobile	67.3	189.8	449.6	2.5	178.8	48.4
Off-Road	0.0	4.5	0.3	0.0	0.0	0.0
Stationary	4.1	0.0	0.0	0.0	0.0	0.0
Total	**192.6**	**265.9**	**484.2**	**3.0**	**184.6**	**54.2**
SCAQMD CEQA Threshold	**55.0**	**55.0**	**550.0**	**150.0**	**150.0**	**55.0**
Threshold Exceeded?	**Yes**	**Yes**	**No**	**No**	**Yes**	**No**

Sceanrio 2 Unmitigated Emissions	Maximum Daily Regional Emissions (lbs/day					
	VOC	NO_x	CO	SO_2	PM_{10}	$PM_{2.5}$
Area	103.0	18.5	168.6	0.1	1.7	1.6
Energy	1.0	17.0	12.1	0.1	1.3	1.3
Mobile	89.8	214.2	892.8	3.5	263.2	70.2
Off-Road	0.0	4.5	0.3	0.0	0.0	0.0
Stationary	4.1	0.0	0.0	0.0	0.0	0.0
Total	**198.0**	**254.1**	**1073.8**	**3.8**	**266.2**	**73.1**
SCAQMD CEQA Threshold	**55.0**	**55.0**	**550.0**	**150.0**	**150.0**	**55.0**
Threshold Exceeded?	**Yes**	**Yes**	**Yes**	**No**	**Yes**	**Yes**

Sceanrio 2 Unmitigated Emissions	Maximum Daily SUMMER Regional Emissions (lbs/day)					
	VOC	NO_x	CO	SO_2	PM_{10}	$PM_{2.5}$
Area	103.0	19.9	168.6	0.1	1.7	1.6
Energy	1.0	17.0	12.1	0.1	1.3	1.3
Mobile	89.8	198.7	892.8	3.5	263.2	70.2
Off-Road	0.0	4.5	0.3	0.0	0.0	0.0
Stationary	4.1	0.0	0.0	0.0	0.0	0.0
Total	**198.0**	**240.1**	**1073.8**	**3.8**	**266.2**	**73.1**
SCAQMD CEQA Threshold	**55.0**	**55.0**	**550.0**	**150.0**	**150.0**	**55.0**
Threshold Exceeded?	**Yes**	**Yes**	**Yes**	**No**	**Yes**	**Yes**

Sceanrio 2 Unmitigated Emissions	Maximum Daily Winter Regional Emissions (lbs/day)					
	VOC	NO_x	CO	SO_2	PM_{10}	$PM_{2.5}$
Area	82.2	18.5	7.9	0.1	1.5	1.5
Energy	1.0	17.0	12.1	0.1	1.3	1.3
Mobile	75.7	214.2	626.7	3.3	263.2	70.2
Off-Road	0.0	4.5	0.3	0.0	0.0	0.0
Stationary	4.1	0.0	0.0	0.0	0.0	0.0
Total	**162.9**	**254.1**	**646.9**	**3.5**	**266.0**	**73.0**
SCAQMD CEQA Threshold	**55.0**	**55.0**	**550.0**	**150.0**	**150.0**	**55.0**
Threshold Exceeded?	**Yes**	**Yes**	**Yes**	**No**	**Yes**	**Yes**

Maxmimum Buildout Scenario Mitigated Emissions	Maximum Daily Regional Emissions (lbs/day)					
	VOC	NO_x	CO	SO_2	PM_{10}	$PM_{2.5}$
Area	148.8	48.4	285.2	0.3	4.1	4.1
Energy	1.3	22.6	13.5	0.1	1.8	1.8
Mobile	80.5	189.8	604.8	2.6	178.8	48.4
Off-Road	0.0	4.5	0.3	0.0	0.0	0.0
Stationary	4.1	0.0	0.0	0.0	0.0	0.0
Total	**234.8**	**265.3**	**903.7**	**3.1**	**184.7**	**54.3**
SCAQMD CEQA Threshold	**55.0**	**55.0**	**550.0**	**150.0**	**150.0**	**55.0**
Threshold Exceeded?	**Yes**	**Yes**	**Yes**	**No**	**Yes**	**No**

Maxmimum Buildout Scenario Mitigated Emissions	Maximum Daily SUMMER Regional Emissions (lbs/day)					
	VOC	NO_x	CO	SO_2	PM_{10} (C)	$PM_{2.5}$ (C)
Area	148.8	50.7	285.2	0.3	4.1	4.1
Energy	1.3	22.6	13.5	0.1	1.8	1.8
Mobile	80.5	176.6	604.8	2.6	178.8	48.4
Off-Road	0.0	4.5	0.3	0.0	0.0	0.0
Stationary	4.1	0.0	0.0	0.0	0.0	0.0
Total	**234.8**	**254.4**	**903.7**	**3.1**	**184.7**	**54.3**
SCAQMD CEQA Threshold	**55.0**	**55.0**	**550.0**	**150.0**	**150.0**	**55.0**
Threshold Exceeded?	**Yes**	**Yes**	**Yes**	**No**	**Yes**	**No**

Maxmimum Buildout Scenario Mitigated Emissions	Maximum Daily Winter Regional Emissions (lbs/day)					
	VOC	NO_x	CO	SO_2	PM_{10} (C)	$PM_{2.5}$ (C)
Area	119.8	48.4	20.6	0.3	3.9	3.9
Energy	1.3	22.6	13.5	0.1	1.8	1.8
Mobile	67.3	189.8	449.6	2.5	178.8	48.4
Off-Road	0.0	4.5	0.3	0.0	0.0	0.0
Stationary	4.1	0.0	0.0	0.0	0.0	0.0
Total	**192.5**	**265.3**	**484.0**	**2.9**	**184.5**	**54.2**
SCAQMD CEQA Threshold	**55.0**	**55.0**	**550.0**	**150.0**	**150.0**	**55.0**
Threshold Exceeded?	**Yes**	**Yes**	**No**	**No**	**Yes**	**No**

Scenario 2 Mitigated Emssions	Maximum Daily Regional Emissions (lbs/day)					
	VOC	NO_x	CO	SO_2	PM_{10}	$PM_{2.5}$
Area	103.0	18.5	168.6	0.1	1.7	1.6
Energy	0.9	16.7	12.0	0.1	1.3	1.3
Mobile	89.8	214.2	892.8	3.5	263.2	70.2
Off-Road	0.0	4.5	0.3	0.0	0.0	0.0
Stationary	4.1	0.0	0.0	0.0	0.0	0.0
Total[B]	**198.0**	**253.9**	**1073.7**	**3.8**	**266.2**	**73.1**
SCAQMD CEQA Threshold	**55.0**	**55.0**	**550.0**	**150.0**	**150.0**	**55.0**
Threshold Exceeded?	**Yes**	**Yes**	**Yes**	**No**	**Yes**	**Yes**

Scenario 2 Mitigated Emssions	Maximum Daily SUMMER Regional Emissions (lbs/day)					
	VOC	NO_x	CO	SO_2	PM_{10}[C]	$PM_{2.5}$[C]
Area	103.0	19.9	168.6	0.1	1.7	1.6
Energy	0.9	16.7	12.0	0.1	1.3	1.3
Mobile	89.8	198.7	892.8	3.5	263.2	70.2
Off-Road	0.0	4.5	0.3	0.0	0.0	0.0
Stationary	4.1	0.0	0.0	0.0	0.0	0.0
Total	**198.0**	**239.8**	**1073.7**	**3.8**	**266.2**	**73.1**
SCAQMD CEQA Threshold	**55.0**	**55.0**	**550.0**	**150.0**	**150.0**	**55.0**
Threshold Exceeded?	**Yes**	**Yes**	**Yes**	**No**	**Yes**	**Yes**

Scenario 2 Mitigated Emssions	Maximum Daily Winter Regional Emissions (lbs/day)					
	VOC	NO_x	CO	SO_2	PM_{10}[C]	$PM_{2.5}$[C]
Area	82.2	18.5	7.9	0.1	1.5	1.5
Energy	0.9	16.7	12.0	0.1	1.3	1.3
Mobile	75.7	214.2	626.7	3.3	263.2	70.2
Off-Road	0.0	4.5	0.3	0.0	0.0	0.0
Stationary	4.1	0.0	0.0	0.0	0.0	0.0
Total	**162.9**	**253.9**	**646.8**	**3.5**	**266.0**	**73.0**
SCAQMD CEQA Threshold	**55.0**	**55.0**	**550.0**	**150.0**	**150.0**	**55.0**
Threshold Exceeded?	**Yes**	**Yes**	**Yes**	**No**	**Yes**	**Yes**

Maximum Buildout Scenario Unmitigated Emissions	Maximum Daily LST Emissions (lbs/day)			
	NO_x	CO	PM_{10}	$PM_{2.5}$
Area	48.4	285.2	4.1	4.1
Energy	23.2	13.7	1.8	1.8
Mobile	9.5	30.2	8.9	2.4
Off-Road	4.5	0.3	0.0	0.0
Total	**85.5**	**329.4**	**14.9**	**8.4**
SCAQMD CEQA Threshold	**547.0**	**10,178.0**	**27.0**	**9.0**
Threshold Exceeded?	**No**	**No**	**No**	**No**

Maximum Buildout Scenario Unmitigated Emissions	Maximum Daily LST Emissions (lbs/day)			
	NO_x	CO	PM_{10}	$PM_{2.5}$
Area	50.7	285.2	4.1	4.1
Energy	23.2	13.7	1.8	1.8
Mobile	8.8	30.2	8.9	2.4
Off-Road	4.5	0.3	0.0	0.0
Total	**87.2**	**329.4**	**14.9**	**8.4**
SCAQMD CEQA Threshold	**547.0**	**10,178.0**	**27.0**	**9.0**
Threshold Exceeded?	**No**	**No**	**No**	**No**

Maximum Buildout Scenario Unmitigated Emissions	Maximum Daily LST Emissions (lbs/day)			
	NO_x	CO	PM_{10}	$PM_{2.5}$
Area	48.4	20.6	3.9	3.9
Energy	23.2	13.7	1.8	1.8
Mobile	9.5	22.5	8.9	2.4
Off-Road	4.5	0.3	0.0	0.0
Total	**85.5**	**57.1**	**14.7**	**8.2**
SCAQMD CEQA Threshold	**547.0**	**10,178.0**	**27.0**	**9.0**
Threshold Exceeded?	**No**	**No**	**No**	**No**

Sceanrio 2 Unmitigated Emissions	Maximum Daily LST Emissions (lbs/day)			
	NO_x	CO	PM_{10}	$PM_{2.5}$
Area	18.5	168.6	1.7	1.6
Energy	17.0	12.1	1.3	1.3
Mobile	10.7	44.6	13.2	3.5
Off-Road	4.5	0.3	0.0	0.0
Total	**51.3**	**225.6**	**16.2**	**6.5**
SCAQMD CEQA Threshold	**547**	**10178**	**27**	**9**
Threshold Exceeded?	**No**	**No**	**No**	**No**

Sceanrio 2 Unmitigated Emissions	Maximum Daily LST Emissions (lbs/day)			
	NO_x	CO	PM_{10}	$PM_{2.5}$
Area	19.9	168.6	1.7	1.6
Energy	17.0	12.1	1.3	1.3
Mobile	9.9	44.6	13.2	3.5
Off-Road	4.5	0.3	0.0	0.0
Total	**51.292625**	**225.62235**	**16.18683**	**6.4894495**
SCAQMD CEQA Threshold	**547**	**10178**	**27**	**9**
Threshold Exceeded?	**No**	**No**	**No**	**No**

Sceanrio 2 Unmitigated Emissions	Maximum Daily LST Emissions (lbs/day)			
	NO_x	CO	PM_{10}	$PM_{2.5}$
Area	18.5	7.9	1.5	1.5
Energy	17.0	12.1	1.3	1.3
Mobile	10.7	31.3	13.2	3.5
Off-Road	4.5	0.3	0.0	0.0
Total	**50.655375**	**51.589201**	**15.99498**	**6.3445495**
SCAQMD CEQA Threshold	**547**	**10178**	**27**	**9**
Threshold Exceeded?	**No**	**No**	**No**	**No**

Oasis at Indio Maximum Buildout Scenario Operations Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Oasis at Indio Maximum Buildout Scenario Operations
Operational Year	2033
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	7.60
Location	33.741868, -116.242145
County	Riverside-Salton Sea
City	Indio
Air District	South Coast AQMD
Air Basin	Salton Sea
TAZ	5657
EDFZ	19
Electric Utility	Imperial Irrigation District
Gas Utility	Southern California Gas
App Version	2022.1.1.20

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
Apartments Low Rise	3,240	Dwelling Unit	17.9	3,110,400	0.00	0.00	10,465	—

Strip Mall	20.0	1000sqft	0.46	20,000	0.00	0.00	—	—
Unrefrigerated Warehouse-No Rail	860	1000sqft	19.7	859,610	0.00	0.00	—	Bldg 1 High Cube Non-Sort
Unrefrigerated Warehouse-No Rail	947	1000sqft	21.7	946,680	0.00	0.00	—	Bldg 2 High Cube Sort
Parking Lot	104	Acre	104	0.00	0.00	0.00	—	All paved areas
Industrial Park	10.6	1000sqft	2.44	10,629	0.00	0.00	—	IID Substation
City Park	17.1	Acre	17.1	0.00	744,395	0.00	—	Open space and landscaping

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Transportation	T-14*	Provide Electric Vehicle Charging Infrastructure
Transportation	T-34*	Provide Bike Parking
Energy	E-1	Buildings Exceed 2019 Title 24 Building Envelope Energy Efficiency Standards
Energy	E-2	Require Energy Efficient Appliances
Energy	E-10-B	Establish Onsite Renewable Energy Systems: Solar Power
Water	W-5	Design Water-Efficient Landscapes

* Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

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

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

Unmit.	126	231	250	904	3.11	9.54	175	185	9.31	45.0	54.3	2,474	402,767	405,241	263	27.3	418	420,365
Mit.	126	231	250	903	3.10	9.49	175	185	9.27	45.0	54.3	2,474	396,868	399,342	262	27.2	418	414,421
% Reduced	< 0.5%	< 0.5%	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%	< 0.5%	—	< 0.5%	—	1%	1%	< 0.5%	< 0.5%	—	1%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	81.7	188	261	484	2.94	9.31	175	185	9.14	45.0	54.2	2,474	386,225	388,699	263	27.5	30.3	403,495
Mit.	81.6	188	261	484	2.94	9.27	175	184	9.10	45.0	54.1	2,474	380,325	382,799	263	27.4	30.3	397,552
% Reduced	< 0.5%	< 0.5%	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%	1%	—	< 0.5%	—	2%	2%	< 0.5%	< 0.5%	—	1%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	95.0	203	212	635	2.72	5.78	174	180	5.58	44.8	50.4	2,474	334,098	336,572	262	27.2	192	351,405
Mit.	95.0	203	212	635	2.72	5.73	174	180	5.54	44.8	50.4	2,474	328,199	330,673	261	27.1	192	345,461
% Reduced	< 0.5%	< 0.5%	< 0.5%	< 0.5%	< 0.5%	1%	—	< 0.5%	1%	—	< 0.5%	—	2%	2%	< 0.5%	< 0.5%	—	2%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	17.3	37.1	38.8	116	0.50	1.05	31.8	32.9	1.02	8.18	9.20	410	55,314	55,723	43.4	4.50	31.7	58,179
Mit.	17.3	37.1	38.7	116	0.50	1.05	31.8	32.9	1.01	8.18	9.19	410	54,337	54,747	43.2	4.48	31.7	57,195
% Reduced	< 0.5%	< 0.5%	< 0.5%	< 0.5%	< 0.5%	1%	—	< 0.5%	1%	—	< 0.5%	—	2%	2%	< 0.5%	< 0.5%	—	2%
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	55.0	55.0	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	Yes	Yes	Yes	No	—	—	Yes	—	—	No	—	—	—	—	—	—	—
Mit.	—	Yes	Yes	Yes	No	—	—	Yes	—	—	No	—	—	—	—	—	—	—

Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	55.0	55.0	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	Yes	Yes	Yes	No	—	—	Yes	—	—	No	—	—	—	—	—	—	—
Mit.	—	Yes	Yes	Yes	No	—	—	Yes	—	—	No	—	—	—	—	—	—	—

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	86.6	80.5	177	605	2.64	3.57	175	179	3.40	45.0	48.4	—	274,602	274,602	6.41	25.9	398	282,872
Area	36.7	149	50.7	285	0.32	4.14	—	4.14	4.08	—	4.08	0.00	62,219	62,219	1.19	0.12	—	62,285
Energy	2.65	1.32	23.2	13.7	0.14	1.83	—	1.83	1.83	—	1.83	—	65,489	65,489	7.46	0.65	—	65,870
Water	—	—	—	—	—	—	—	—	—	—	—	256	457	713	26.3	0.63	—	1,557
Waste	—	—	—	—	—	—	—	—	—	—	—	2,218	0.00	2,218	222	0.00	—	7,761
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.0	20.0
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	126	231	250	904	3.11	9.54	175	185	9.31	45.0	54.3	2,474	402,767	405,241	263	27.3	418	420,365
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	73.4	67.3	190	450	2.49	3.57	175	179	3.41	45.0	48.4	—	258,879	258,879	6.83	26.1	10.3	266,825
Area	5.66	120	48.4	20.6	0.31	3.91	—	3.91	3.91	—	3.91	0.00	61,399	61,399	1.16	0.12	—	61,462
Energy	2.65	1.32	23.2	13.7	0.14	1.83	—	1.83	1.83	—	1.83	—	65,489	65,489	7.46	0.65	—	65,870
Water	—	—	—	—	—	—	—	—	—	—	—	256	457	713	26.3	0.63	—	1,557
Waste	—	—	—	—	—	—	—	—	—	—	—	2,218	0.00	2,218	222	0.00	—	7,761

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.0	20.0
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	81.7	188	261	484	2.94	9.31	175	185	9.14	45.0	54.2	2,474	386,225	388,699	263	27.5	30.3	403,495
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	76.7	70.7	185	490	2.55	3.57	174	178	3.40	44.8	48.2	—	265,048	265,048	6.53	25.9	172	273,099
Area	15.7	131	4.48	132	0.03	0.38	—	0.38	0.35	—	0.35	0.00	4,610	4,610	0.10	0.01	—	4,616
Energy	2.65	1.32	23.2	13.7	0.14	1.83	—	1.83	1.83	—	1.83	—	63,984	63,984	7.26	0.63	—	64,352
Water	—	—	—	—	—	—	—	—	—	—	—	256	457	713	26.3	0.63	—	1,557
Waste	—	—	—	—	—	—	—	—	—	—	—	2,218	0.00	2,218	222	0.00	—	7,761
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.0	20.0
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	95.0	203	212	635	2.72	5.78	174	180	5.58	44.8	50.4	2,474	334,098	336,572	262	27.2	192	351,405
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	14.0	12.9	33.7	89.4	0.46	0.65	31.8	32.5	0.62	8.18	8.80	—	43,882	43,882	1.08	4.29	28.4	45,215
Area	2.86	24.0	0.82	24.1	0.01	0.07	—	0.07	0.06	—	0.06	0.00	763	763	0.02	< 0.005	—	764
Energy	0.48	0.24	4.23	2.50	0.03	0.33	—	0.33	0.33	—	0.33	—	10,593	10,593	1.20	0.10	—	10,654
Water	—	—	—	—	—	—	—	—	—	—	—	42.3	75.7	118	4.35	0.10	—	258
Waste	—	—	—	—	—	—	—	—	—	—	—	367	0.00	367	36.7	0.00	—	1,285
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.32	3.32
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	17.3	37.1	38.8	116	0.50	1.05	31.8	32.9	1.02	8.18	9.20	410	55,314	55,723	43.4	4.50	31.7	58,179

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	86.6	80.5	177	605	2.64	3.57	175	179	3.40	45.0	48.4	—	274,602	274,602	6.41	25.9	398	282,872
Area	36.7	149	50.7	285	0.32	4.14	—	4.14	4.08	—	4.08	0.00	62,219	62,219	1.19	0.12	—	62,285
Energy	2.58	1.29	22.6	13.5	0.14	1.78	—	1.78	1.78	—	1.78	—	59,608	59,608	6.71	0.57	—	59,944
Water	—	—	—	—	—	—	—	—	—	—	—	256	439	695	26.3	0.63	—	1,539
Waste	—	—	—	—	—	—	—	—	—	—	—	2,218	0.00	2,218	222	0.00	—	7,761
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.0	20.0
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	126	231	250	903	3.10	9.49	175	185	9.27	45.0	54.3	2,474	396,868	399,342	262	27.2	418	414,421
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	73.4	67.3	190	450	2.49	3.57	175	179	3.41	45.0	48.4	—	258,879	258,879	6.83	26.1	10.3	266,825
Area	5.66	120	48.4	20.6	0.31	3.91	—	3.91	3.91	—	3.91	0.00	61,399	61,399	1.16	0.12	—	61,462
Energy	2.58	1.29	22.6	13.5	0.14	1.78	—	1.78	1.78	—	1.78	—	59,608	59,608	6.71	0.57	—	59,944
Water	—	—	—	—	—	—	—	—	—	—	—	256	439	695	26.3	0.63	—	1,539
Waste	—	—	—	—	—	—	—	—	—	—	—	2,218	0.00	2,218	222	0.00	—	7,761
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.0	20.0
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	81.6	188	261	484	2.94	9.27	175	184	9.10	45.0	54.1	2,474	380,325	382,799	263	27.4	30.3	397,552
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	76.7	70.7	185	490	2.55	3.57	174	178	3.40	44.8	48.2	—	265,048	265,048	6.53	25.9	172	273,099
Area	15.7	131	4.48	132	0.03	0.38	—	0.38	0.35	—	0.35	0.00	4,610	4,610	0.10	0.01	—	4,616
Energy	2.58	1.29	22.6	13.5	0.14	1.78	—	1.78	1.78	—	1.78	—	58,102	58,102	6.51	0.54	—	58,426
Water	—	—	—	—	—	—	—	—	—	—	—	256	439	695	26.3	0.63	—	1,539
Waste	—	—	—	—	—	—	—	—	—	—	—	2,218	0.00	2,218	222	0.00	—	7,761

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.0	20.0
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	95.0	203	212	635	2.72	5.73	174	180	5.54	44.8	50.4	2,474	328,199	330,673	261	27.1	192	345,461
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	14.0	12.9	33.7	89.4	0.46	0.65	31.8	32.5	0.62	8.18	8.80	—	43,882	43,882	1.08	4.29	28.4	45,215
Area	2.86	24.0	0.82	24.1	0.01	0.07	—	0.07	0.06	—	0.06	0.00	763	763	0.02	< 0.005	—	764
Energy	0.47	0.24	4.13	2.46	0.03	0.33	—	0.33	0.33	—	0.33	—	9,620	9,620	1.08	0.09	—	9,673
Water	—	—	—	—	—	—	—	—	—	—	—	42.3	72.7	115	4.35	0.10	—	255
Waste	—	—	—	—	—	—	—	—	—	—	—	367	0.00	367	36.7	0.00	—	1,285
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.32	3.32
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	17.3	37.1	38.7	116	0.50	1.05	31.8	32.9	1.01	8.18	9.19	410	54,337	54,747	43.2	4.48	31.7	57,195

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	58.8	55.8	37.4	342	0.79	0.49	71.3	71.8	0.46	18.1	18.5	—	80,772	80,772	3.61	4.11	111	82,197
Strip Mall	4.28	3.73	5.36	63.6	0.19	0.11	17.5	17.6	0.10	4.44	4.54	—	19,013	19,013	0.49	0.73	27.3	19,269

Unrefrigerated Warehou Rail	23.5	21.0	134	198	1.67	2.97	86.4	89.4	2.84	22.5	25.3	—	174,778	174,778	2.31	21.0	259	181,367
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Park	0.01	0.01	0.01	0.13	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	38.7	38.7	< 0.005	< 0.005	0.06	39.3
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	86.6	80.5	177	605	2.64	3.57	175	179	3.40	45.0	48.4	—	274,602	274,602	6.41	25.9	398	282,872
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	49.2	46.1	40.2	260	0.70	0.49	71.3	71.8	0.47	18.1	18.5	—	72,153	72,153	3.93	4.19	2.88	73,503
Strip Mall	3.74	3.20	5.86	41.0	0.16	0.11	17.5	17.6	0.10	4.44	4.54	—	16,885	16,885	0.49	0.75	0.71	17,120
Unrefrigerated Warehouse-No Rail	20.4	18.0	144	148	1.62	2.97	86.4	89.4	2.84	22.5	25.3	—	169,807	169,807	2.40	21.1	6.72	176,166
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Park	0.01	0.01	0.01	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	34.4	34.4	< 0.005	< 0.005	< 0.005	34.9
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	73.4	67.3	190	450	2.49	3.57	175	179	3.41	45.0	48.4	—	258,879	258,879	6.83	26.1	10.3	266,825
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	9.42	8.86	7.01	50.9	0.13	0.09	12.9	13.0	0.08	3.28	3.37	—	12,506	12,506	0.61	0.68	7.95	12,731
Strip Mall	0.71	0.61	1.03	8.84	0.03	0.02	3.18	3.20	0.02	0.81	0.82	—	2,934	2,934	0.08	0.12	1.95	2,975

Unrefrigerated	3.87	3.42	25.7	29.6	0.30	0.54	15.7	16.2	0.52	4.09	4.61	—	28,436	28,436	0.39	3.49	18.5	29,503
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Park	< 0.005	< 0.005	< 0.005	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	5.98	5.98	< 0.005	< 0.005	< 0.005	6.06
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	14.0	12.9	33.7	89.4	0.46	0.65	31.8	32.5	0.62	8.18	8.80	—	43,882	43,882	1.08	4.29	28.4	45,215

4.1.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	58.8	55.8	37.4	342	0.79	0.49	71.3	71.8	0.46	18.1	18.5	—	80,772	80,772	3.61	4.11	111	82,197
Strip Mall	4.28	3.73	5.36	63.6	0.19	0.11	17.5	17.6	0.10	4.44	4.54	—	19,013	19,013	0.49	0.73	27.3	19,269
Unrefrigerated Warehouse-No Rail	23.5	21.0	134	198	1.67	2.97	86.4	89.4	2.84	22.5	25.3	—	174,778	174,778	2.31	21.0	259	181,367
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Park	0.01	0.01	0.01	0.13	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	38.7	38.7	< 0.005	< 0.005	0.06	39.3
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	86.6	80.5	177	605	2.64	3.57	175	179	3.40	45.0	48.4	—	274,602	274,602	6.41	25.9	398	282,872

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	49.2	46.1	40.2	260	0.70	0.49	71.3	71.8	0.47	18.1	18.5	—	72,153	72,153	3.93	4.19	2.88	73,503
Strip Mall	3.74	3.20	5.86	41.0	0.16	0.11	17.5	17.6	0.10	4.44	4.54	—	16,885	16,885	0.49	0.75	0.71	17,120
Unrefrigerated Warehouse-No Rail	20.4	18.0	144	148	1.62	2.97	86.4	89.4	2.84	22.5	25.3	—	169,807	169,807	2.40	21.1	6.72	176,166
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Park	0.01	0.01	0.01	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	34.4	34.4	< 0.005	< 0.005	< 0.005	34.9
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	73.4	67.3	190	450	2.49	3.57	175	179	3.41	45.0	48.4	—	258,879	258,879	6.83	26.1	10.3	266,825
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	9.42	8.86	7.01	50.9	0.13	0.09	12.9	13.0	0.08	3.28	3.37	—	12,506	12,506	0.61	0.68	7.95	12,731
Strip Mall	0.71	0.61	1.03	8.84	0.03	0.02	3.18	3.20	0.02	0.81	0.82	—	2,934	2,934	0.08	0.12	1.95	2,975
Unrefrigerated Warehouse-No Rail	3.87	3.42	25.7	29.6	0.30	0.54	15.7	16.2	0.52	4.09	4.61	—	28,436	28,436	0.39	3.49	18.5	29,503
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Park	< 0.005	< 0.005	< 0.005	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	5.98	5.98	< 0.005	< 0.005	< 0.005	6.06
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	14.0	12.9	33.7	89.4	0.46	0.65	31.8	32.5	0.62	8.18	8.80	—	43,882	43,882	1.08	4.29	28.4	45,215

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	14,982	14,982	2.01	0.24	—	15,105
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	200	200	0.03	< 0.005	—	201
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	13,681	13,681	1.83	0.22	—	13,793
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	2,680	2,680	0.36	0.04	—	2,702
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
undefined	—	—	—	—	—	—	—	—	—	—	—	—	5,233	5,233	0.70	0.08	—	5,276
Total	—	—	—	—	—	—	—	—	—	—	—	—	36,776	36,776	4.92	0.60	—	37,077
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	14,982	14,982	2.01	0.24	—	15,105
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	200	200	0.03	< 0.005	—	201

Unrefrige Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	13,681	13,681	1.83	0.22	—	13,793
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	2,680	2,680	0.36	0.04	—	2,702
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
undefine d	—	—	—	—	—	—	—	—	—	—	—	—	5,233	5,233	0.70	0.08	—	5,276
Total	—	—	—	—	—	—	—	—	—	—	—	—	36,776	36,776	4.92	0.60	—	37,077
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	2,480	2,480	0.33	0.04	—	2,501
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	33.1	33.1	< 0.005	< 0.005	—	33.3
Unrefrige rated Warehou se-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	2,265	2,265	0.30	0.04	—	2,284
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	444	444	0.06	0.01	—	447
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
undefine d	—	—	—	—	—	—	—	—	—	—	—	—	617	617	0.08	0.01	—	622
Total	—	—	—	—	—	—	—	—	—	—	—	—	5,839	5,839	0.78	0.09	—	5,887

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	10,021	10,021	1.34	0.16	—	10,103
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	127	127	0.02	< 0.005	—	128
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	13,551	13,551	1.81	0.22	—	13,662
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	2,680	2,680	0.36	0.04	—	2,702
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
undefined	—	—	—	—	—	—	—	—	—	—	—	—	5,233	5,233	0.70	0.08	—	5,276
Total	—	—	—	—	—	—	—	—	—	—	—	—	31,613	31,613	4.23	0.51	—	31,872
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	10,021	10,021	1.34	0.16	—	10,103
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	127	127	0.02	< 0.005	—	128
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	13,551	13,551	1.81	0.22	—	13,662

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	2,680	2,680	0.36	0.04	—	2,702
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
undefined	—	—	—	—	—	—	—	—	—	—	—	—	5,233	5,233	0.70	0.08	—	5,276
Total	—	—	—	—	—	—	—	—	—	—	—	—	31,613	31,613	4.23	0.51	—	31,872
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	1,659	1,659	0.22	0.03	—	1,673
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	21.0	21.0	< 0.005	< 0.005	—	21.1
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	2,244	2,244	0.30	0.04	—	2,262
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	444	444	0.06	0.01	—	447
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
undefined	—	—	—	—	—	—	—	—	—	—	—	—	617	617	0.08	0.01	—	622
Total	—	—	—	—	—	—	—	—	—	—	—	—	4,985	4,985	0.67	0.08	—	5,025

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	1.62	0.81	13.9	5.91	0.09	1.12	—	1.12	1.12	—	1.12	—	17,621	17,621	1.56	0.03	—	17,670
Strip Mall	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	43.0	43.0	< 0.005	< 0.005	—	43.1
Unrefrigerated Warehouse-No Rail	1.02	0.51	9.26	7.78	0.06	0.70	—	0.70	0.70	—	0.70	—	11,049	11,049	0.98	0.02	—	11,079
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	2.65	1.32	23.2	13.7	0.14	1.83	—	1.83	1.83	—	1.83	—	28,713	28,713	2.54	0.05	—	28,793
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	1.62	0.81	13.9	5.91	0.09	1.12	—	1.12	1.12	—	1.12	—	17,621	17,621	1.56	0.03	—	17,670
Strip Mall	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	43.0	43.0	< 0.005	< 0.005	—	43.1
Unrefrigerated Warehouse-No Rail	1.02	0.51	9.26	7.78	0.06	0.70	—	0.70	0.70	—	0.70	—	11,049	11,049	0.98	0.02	—	11,079
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Total	2.65	1.32	23.2	13.7	0.14	1.83	—	1.83	1.83	—	1.83	—	28,713	28,713	2.54	0.05	—	28,793
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.30	0.15	2.53	1.08	0.02	0.20	—	0.20	0.20	—	0.20	—	2,917	2,917	0.26	0.01	—	2,926
Strip Mall	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.12	7.12	< 0.005	< 0.005	—	7.14
Unrefrigerated Warehouse-No Rail	0.19	0.09	1.69	1.42	0.01	0.13	—	0.13	0.13	—	0.13	—	1,829	1,829	0.16	< 0.005	—	1,834
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.48	0.24	4.23	2.50	0.03	0.33	—	0.33	0.33	—	0.33	—	4,754	4,754	0.42	0.01	—	4,767

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	1.56	0.78	13.3	5.67	0.09	1.08	—	1.08	1.08	—	1.08	—	16,905	16,905	1.50	0.03	—	16,952
Strip Mall	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	42.6	42.6	< 0.005	< 0.005	—	42.7
Unrefrigerated Warehouse-No Rail	1.02	0.51	9.26	7.78	0.06	0.70	—	0.70	0.70	—	0.70	—	11,047	11,047	0.98	0.02	—	11,078

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	2.58	1.29	22.6	13.5	0.14	1.78	—	1.78	1.78	—	1.78	—	27,995	27,995	2.48	0.05	—	28,073
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	1.56	0.78	13.3	5.67	0.09	1.08	—	1.08	1.08	—	1.08	—	16,905	16,905	1.50	0.03	—	16,952
Strip Mall	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	42.6	42.6	< 0.005	< 0.005	—	42.7
Unrefrigerated Warehouse-No Rail	1.02	0.51	9.26	7.78	0.06	0.70	—	0.70	0.70	—	0.70	—	11,047	11,047	0.98	0.02	—	11,078
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	2.58	1.29	22.6	13.5	0.14	1.78	—	1.78	1.78	—	1.78	—	27,995	27,995	2.48	0.05	—	28,073
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.28	0.14	2.43	1.03	0.02	0.20	—	0.20	0.20	—	0.20	—	2,799	2,799	0.25	0.01	—	2,807
Strip Mall	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.06	7.06	< 0.005	< 0.005	—	7.07
Unrefrigerated Warehouse-No Rail	0.19	0.09	1.69	1.42	0.01	0.13	—	0.13	0.13	—	0.13	—	1,829	1,829	0.16	< 0.005	—	1,834

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.47	0.24	4.13	2.46	0.03	0.33	—	0.33	0.33	—	0.33	—	4,635	4,635	0.41	0.01	—	4,648

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	5.66	2.83	48.4	20.6	0.31	3.91	—	3.91	3.91	—	3.91	0.00	61,399	61,399	1.16	0.12	—	61,462
Consumer Products	—	107	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	10.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	31.0	29.0	2.37	265	0.01	0.22	—	0.22	0.17	—	0.17	—	820	820	0.03	0.01	—	823
Total	36.7	149	50.7	285	0.32	4.14	—	4.14	4.08	—	4.08	0.00	62,219	62,219	1.19	0.12	—	62,285
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	5.66	2.83	48.4	20.6	0.31	3.91	—	3.91	3.91	—	3.91	0.00	61,399	61,399	1.16	0.12	—	61,462

Consumer Products	—	107	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	10.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	5.66	120	48.4	20.6	0.31	3.91	—	3.91	3.91	—	3.91	0.00	61,399	61,399	1.16	0.12	—	61,462
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.07	0.04	0.60	0.26	< 0.005	0.05	—	0.05	0.05	—	0.05	0.00	696	696	0.01	< 0.005	—	697
Consumer Products	—	19.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.89	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.79	2.61	0.21	23.8	< 0.005	0.02	—	0.02	0.02	—	0.02	—	66.9	66.9	< 0.005	< 0.005	—	67.2
Total	2.86	24.0	0.82	24.1	0.01	0.07	—	0.07	0.06	—	0.06	0.00	763	763	0.02	< 0.005	—	764

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	5.66	2.83	48.4	20.6	0.31	3.91	—	3.91	3.91	—	3.91	0.00	61,399	61,399	1.16	0.12	—	61,462
Consumer Products	—	107	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	10.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landsca Equipment	31.0	29.0	2.37	265	0.01	0.22	—	0.22	0.17	—	0.17	—	820	820	0.03	0.01	—	823
Total	36.7	149	50.7	285	0.32	4.14	—	4.14	4.08	—	4.08	0.00	62,219	62,219	1.19	0.12	—	62,285
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	5.66	2.83	48.4	20.6	0.31	3.91	—	3.91	3.91	—	3.91	0.00	61,399	61,399	1.16	0.12	—	61,462
Consumer Products	—	107	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	10.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	5.66	120	48.4	20.6	0.31	3.91	—	3.91	3.91	—	3.91	0.00	61,399	61,399	1.16	0.12	—	61,462
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.07	0.04	0.60	0.26	< 0.005	0.05	—	0.05	0.05	—	0.05	0.00	696	696	0.01	< 0.005	—	697
Consumer Products	—	19.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.89	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.79	2.61	0.21	23.8	< 0.005	0.02	—	0.02	0.02	—	0.02	—	66.9	66.9	< 0.005	< 0.005	—	67.2
Total	2.86	24.0	0.82	24.1	0.01	0.07	—	0.07	0.06	—	0.06	0.00	763	763	0.02	< 0.005	—	764

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	253	422	674	26.0	0.62	—	1,508
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	2.84	4.74	7.58	0.29	0.01	—	17.0
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.20	0.33	0.53	0.02	< 0.005	—	1.19
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	30.4	30.4	< 0.005	< 0.005	—	30.6
Total	—	—	—	—	—	—	—	—	—	—	—	256	457	713	26.3	0.63	—	1,557
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	253	422	674	26.0	0.62	—	1,508
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	2.84	4.74	7.58	0.29	0.01	—	17.0
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.20	0.33	0.53	0.02	< 0.005	—	1.19
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Industrial Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	30.4	30.4	< 0.005	< 0.005	—	30.6
Total	—	—	—	—	—	—	—	—	—	—	—	256	457	713	26.3	0.63	—	1,557
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	41.8	69.8	112	4.30	0.10	—	250
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.47	0.78	1.25	0.05	< 0.005	—	2.81
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.03	0.06	0.09	< 0.005	< 0.005	—	0.20
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	5.03	5.03	< 0.005	< 0.005	—	5.07
Total	—	—	—	—	—	—	—	—	—	—	—	42.3	75.7	118	4.35	0.10	—	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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	253	422	674	26.0	0.62	—	1,508
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	2.84	4.74	7.58	0.29	0.01	—	17.0

Unrefrige Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.20	0.33	0.53	0.02	< 0.005	—	1.19
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	12.3	12.3	< 0.005	< 0.005	—	12.4
Total	—	—	—	—	—	—	—	—	—	—	—	256	439	695	26.3	0.63	—	1,539
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	253	422	674	26.0	0.62	—	1,508
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	2.84	4.74	7.58	0.29	0.01	—	17.0
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.20	0.33	0.53	0.02	< 0.005	—	1.19
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	12.3	12.3	< 0.005	< 0.005	—	12.4
Total	—	—	—	—	—	—	—	—	—	—	—	256	439	695	26.3	0.63	—	1,539
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	41.8	69.8	112	4.30	0.10	—	250
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.47	0.78	1.25	0.05	< 0.005	—	2.81

Unrefrigerated Warehou Rail	—	—	—	—	—	—	—	—	—	—	—	0.03	0.06	0.09	< 0.005	< 0.005	—	0.20
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	2.04	2.04	< 0.005	< 0.005	—	2.06
Total	—	—	—	—	—	—	—	—	—	—	—	42.3	72.7	115	4.35	0.10	—	255

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	1,291	0.00	1,291	129	0.00	—	4,517
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	11.3	0.00	11.3	1.13	0.00	—	39.6
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	915	0.00	915	91.5	0.00	—	3,202
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

City Park	—	—	—	—	—	—	—	—	—	—	—	0.79	0.00	0.79	0.08	0.00	—	2.77
Total	—	—	—	—	—	—	—	—	—	—	—	2,218	0.00	2,218	222	0.00	—	7,761
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	1,291	0.00	1,291	129	0.00	—	4,517
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	11.3	0.00	11.3	1.13	0.00	—	39.6
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	915	0.00	915	91.5	0.00	—	3,202
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.79	0.00	0.79	0.08	0.00	—	2.77
Total	—	—	—	—	—	—	—	—	—	—	—	2,218	0.00	2,218	222	0.00	—	7,761
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	214	0.00	214	21.4	0.00	—	748
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	1.87	0.00	1.87	0.19	0.00	—	6.56
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	152	0.00	152	15.1	0.00	—	530
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

City Park	—	—	—	—	—	—	—	—	—	—	—	0.13	0.00	0.13	0.01	0.00	—	0.46
Total	—	—	—	—	—	—	—	—	—	—	—	367	0.00	367	36.7	0.00	—	1,285

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	1,291	0.00	1,291	129	0.00	—	4,517
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	11.3	0.00	11.3	1.13	0.00	—	39.6
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	915	0.00	915	91.5	0.00	—	3,202
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.79	0.00	0.79	0.08	0.00	—	2.77
Total	—	—	—	—	—	—	—	—	—	—	—	2,218	0.00	2,218	222	0.00	—	7,761
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	1,291	0.00	1,291	129	0.00	—	4,517
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	11.3	0.00	11.3	1.13	0.00	—	39.6

Unrefrigerated	—	—	—	—	—	—	—	—	—	—	—	915	0.00	915	91.5	0.00	—	3,202
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.79	0.00	0.79	0.08	0.00	—	2.77
Total	—	—	—	—	—	—	—	—	—	—	—	2,218	0.00	2,218	222	0.00	—	7,761
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	214	0.00	214	21.4	0.00	—	748
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	1.87	0.00	1.87	0.19	0.00	—	6.56
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	152	0.00	152	15.1	0.00	—	530
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.13	0.00	0.13	0.01	0.00	—	0.46
Total	—	—	—	—	—	—	—	—	—	—	—	367	0.00	367	36.7	0.00	—	1,285

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.9	19.9
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.10	0.10
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.0	20.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.9	19.9
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.10	0.10
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.0	20.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.30	3.30
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.32	3.32

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.9	19.9

Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.10	0.10
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.0	20.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.9	19.9
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.10	0.10
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.0	20.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.30	3.30
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.32	3.32

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.7.2. Mitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

4.8.2. Mitigated

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

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

4.9.2. Mitigated

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

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

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
Apartments Low Rise	21,838	21,838	21,838	7,970,869	100,761	100,761	100,761	36,777,592
Strip Mall	1,089	1,089	1,089	397,485	24,740	24,740	24,740	9,029,952
Unrefrigerated Warehouse-No Rail	6,967	6,967	6,967	2,542,956	53,925	53,925	53,925	19,682,476
Unrefrigerated Warehouse-No Rail	1,720	1,720	1,720	627,722	56,065	56,065	56,065	20,463,736
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Park	2.00	2.00	2.00	730	50.5	50.5	50.5	18,418
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Low Rise	21,838	21,838	21,838	7,970,869	100,761	100,761	100,761	36,777,592
Strip Mall	1,089	1,089	1,089	397,485	24,740	24,740	24,740	9,029,952
Unrefrigerated Warehouse-No Rail	6,967	6,967	6,967	2,542,956	53,925	53,925	53,925	19,682,476
Unrefrigerated Warehouse-No Rail	1,720	1,720	1,720	627,722	56,065	56,065	56,065	20,463,736
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Park	2.00	2.00	2.00	730	50.5	50.5	50.5	18,418
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Low Rise	—
Wood Fireplaces	0
Gas Fireplaces	2916
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	324
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Apartments Low Rise	—
Wood Fireplaces	0
Gas Fireplaces	2916
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	324
Conventional Wood Stoves	0
Catalytic Wood Stoves	0

Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
6298560	2,099,520	2,755,379	918,460	271,814

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

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)
Apartments Low Rise	22,183,601	247	0.0330	0.0040	54,983,522
Strip Mall	295,681	247	0.0330	0.0040	134,255
Unrefrigerated Warehouse-No Rail	9,640,023	247	0.0330	0.0040	16,406,766

Unrefrigerated Warehouse-No Rail	10,616,462	247	0.0330	0.0040	18,068,609
Parking Lot	3,968,490	247	0.0330	0.0040	0.00
Industrial Park	0.00	247	0.0330	0.0040	0.00
City Park	0.00	247	0.0330	0.0040	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)
Apartments Low Rise	14,837,952	247	0.0330	0.0040	52,748,706
Strip Mall	187,609	247	0.0330	0.0040	132,965
Unrefrigerated Warehouse-No Rail	9,549,050	247	0.0330	0.0040	16,404,414
Unrefrigerated Warehouse-No Rail	10,516,275	247	0.0330	0.0040	18,066,019
Parking Lot	3,968,490	247	0.0330	0.0040	0.00
Industrial Park	0.00	247	0.0330	0.0040	0.00
City Park	0.00	247	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Low Rise	131,783,031	0.00
Strip Mall	1,481,450	0.00
Unrefrigerated Warehouse-No Rail	49,499	0.00
Unrefrigerated Warehouse-No Rail	54,513	0.00
Parking Lot	0.00	0.00

Industrial Park	0.00	0.00
City Park	0.00	13,969,029

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Low Rise	131,783,031	0.00
Strip Mall	1,481,450	0.00
Unrefrigerated Warehouse-No Rail	49,499	0.00
Unrefrigerated Warehouse-No Rail	54,513	0.00
Parking Lot	0.00	0.00
Industrial Park	0.00	0.00
City Park	0.00	5,678,717

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Low Rise	2,396	—
Strip Mall	21.0	—
Unrefrigerated Warehouse-No Rail	808	—
Unrefrigerated Warehouse-No Rail	890	—
Parking Lot	0.00	—
Industrial Park	0.00	—
City Park	1.47	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Low Rise	2,396	—
Strip Mall	21.0	—
Unrefrigerated Warehouse-No Rail	808	—
Unrefrigerated Warehouse-No Rail	890	—
Parking Lot	0.00	—
Industrial Park	0.00	—
City Park	1.47	—

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
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	750	< 0.005	2.50	2.50	10.0
Apartments Low Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Strip Mall	Other commercial A/C and heat pumps	R-410A	750	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.14.2. Mitigated

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

Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	750	< 0.005	2.50	2.50	10.0
Apartments Low Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Strip Mall	Other commercial A/C and heat pumps	R-410A	750	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

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	Electric	Average	217	8.00	82.0	0.20

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Forklifts	Electric	Average	217	8.00	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
—	—

8. User Changes to Default Data

Screen	Justification
Land Use	Land use information updated based on information from the site plan. Lot acreage is based on building footprint for residential and industrial land uses. All hardscaped surfaces are modeled as the Parking Lot land use. Landscaped surfaces are modeled as the City Park land use. The Industrial Park land use was chosen to model the substation because of the 50,000 square foot size limit for the General Light Industry land use type.
Operations: Vehicle Data	Trip rates and purpose percentages adjusted based on traffic report. Default trip rate for the Industrial Park land use decreased to reflect substation operations and default trip rates for City Park decreased to zero to reflect operations for landscaped area. Trip length for residential and warehouse office land uses adjusted based on VMT memo. Trip length for warehouses adjusted based on SCAQMD data. Passenger car trips for both warehouses were assigned to the 859,610 square foot non-sort warehouse. Truck trips for both warehouses were assigned to the 946,680 square foot sort warehouse.
Operations: Fleet Mix	Warehouse fleet mix updated based on traffic report. Passenger car trips for both warehouses were assigned to the 859,610 square foot non-sort warehouse. Truck trips for both warehouses were assigned to the 946,680 square foot sort warehouse.
Operations: Hearths	Wood stoves and fireplaces were removed due to SCAQMD Rule 445 and the number of gas fireplaces were increased to reflect project conditions.
Operations: Energy Use	Industrial Park land use energy consumption defaults decreased to 0 to reflect the operation of the substation.
Operations: Water and Waste Water	Industrial Park land use water consumption defaults decreased to 0 to reflect the operation of the substation. Indoor water use for warehouse land uses decreased based on water usage rates of indoor water fixtures compliant with CALGreen and the number of employees.
Operations: Solid Waste	Industrial Park land use waste generation defaults decreased to 0 to reflect the operation of the substation.

Operations: Refrigerants	GWP decreased according to requirements in California Code of Regulations, Title 17, Division 3, Chapter 1, Subchapter 10 Climate Change, Article 4. Industrial Park (substation) refrigerants deleted to reflect the operation of the substation. City Park (landscaping) refrigerants deleted to reflect operation of landscaped area.

Oasis at Indio Scenario 2 Operations Custom Report

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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	Oasis at Indio Scenario 2 Operations
Operational Year	2033
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	7.60
Location	33.741868, -116.242145
County	Riverside-Salton Sea
City	Indio
Air District	South Coast AQMD
Air Basin	Salton Sea
TAZ	5657
EDFZ	19
Electric Utility	Imperial Irrigation District
Gas Utility	Southern California Gas
App Version	2022.1.1.20

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
Apartments Low Rise	1,237	Dwelling Unit	15.1	1,311,220	0.00	0.00	3,996	—

Fast Food Restaurant with Drive Thru	12.1	1000sqft	0.28	12,100	0.00	0.00	—	—
Supermarket	49.5	1000sqft	1.14	49,500	0.00	0.00	—	—
Hotel	128	Room	4.27	185,856	0.00	0.00	—	—
Convenience Market with Gas Pumps	16.0	Pump	0.05	5,000	0.00	0.00	—	—
Automobile Care Center	5.00	1000sqft	0.11	5,000	0.00	0.00	—	Carwash
Unrefrigerated Warehouse-No Rail	860	1000sqft	19.7	859,610	0.00	0.00	—	Bldg 1 High Cube Non-Sort
Unrefrigerated Warehouse-No Rail	947	1000sqft	21.7	946,680	0.00	0.00	—	Bldg 2 High Cube Sort
Parking Lot	101	Acre	101	0.00	0.00	0.00	—	All paved areas
Industrial Park	10.6	1000sqft	2.44	10,629	0.00	0.00	—	IID Substation
City Park	17.1	Acre	17.1	0.00	744,395	0.00	—	Open space and landscaping

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Transportation	T-14*	Provide Electric Vehicle Charging Infrastructure
Transportation	T-34*	Provide Bike Parking
Energy	E-1	Buildings Exceed 2019 Title 24 Building Envelope Energy Efficiency Standards
Energy	E-2	Require Energy Efficient Appliances
Energy	E-10-B	Establish Onsite Renewable Energy Systems: Solar Power
Water	W-5	Design Water-Efficient Landscapes

* Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	125	194	236	1,073	3.75	7.08	259	266	6.83	66.3	73.1	1,809	440,350	442,159	196	30.0	2,116	458,100
Mit.	125	194	235	1,073	3.75	7.06	259	266	6.81	66.3	73.1	1,809	437,226	439,035	196	29.9	2,116	454,952
% Reduced	< 0.5%	< 0.5%	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%	< 0.5%	—	< 0.5%	—	1%	1%	< 0.5%	< 0.5%	—	1%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	88.2	159	250	647	3.49	6.89	259	266	6.69	66.3	73.0	1,809	413,830	415,639	196	30.2	1,602	431,157
Mit.	88.2	159	249	646	3.49	6.87	259	266	6.67	66.3	73.0	1,809	410,706	412,515	196	30.2	1,602	428,010
% Reduced	< 0.5%	< 0.5%	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%	< 0.5%	—	< 0.5%	—	1%	1%	< 0.5%	< 0.5%	—	1%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	101	172	227	797	3.49	5.59	258	263	5.37	66.0	71.4	1,809	400,977	402,786	195	30.0	1,816	418,412
Mit.	101	172	227	797	3.48	5.57	258	263	5.35	66.0	71.3	1,809	397,853	399,662	195	29.9	1,816	415,265
% Reduced	< 0.5%	< 0.5%	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%	< 0.5%	—	< 0.5%	—	1%	1%	< 0.5%	< 0.5%	—	1%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	18.4	31.3	41.5	145	0.64	1.02	47.1	48.1	0.98	12.0	13.0	299	66,386	66,686	32.4	4.96	301	69,273
Mit.	18.4	31.3	41.4	145	0.64	1.02	47.1	48.1	0.98	12.0	13.0	299	65,869	66,169	32.3	4.95	301	68,752
% Reduced	< 0.5%	< 0.5%	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%	< 0.5%	—	< 0.5%	—	1%	1%	< 0.5%	< 0.5%	—	1%

Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	55.0	55.0	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	Yes	Yes	Yes	No	—	—	Yes	—	—	Yes	—	—	—	—	—	—	—
Mit.	—	Yes	Yes	Yes	No	—	—	Yes	—	—	Yes	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	55.0	55.0	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	Yes	Yes	Yes	No	—	—	Yes	—	—	Yes	—	—	—	—	—	—	—
Mit.	—	Yes	Yes	Yes	No	—	—	Yes	—	—	Yes	—	—	—	—	—	—	—

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	98.4	89.8	199	893	3.52	4.07	259	263	3.88	66.3	70.2	—	364,790	364,790	8.40	29.1	528	374,189
Area	24.6	103	19.9	169	0.13	1.68	—	1.68	1.64	—	1.64	0.00	24,000	24,000	0.46	0.05	—	24,026
Energy	1.91	0.95	17.0	12.1	0.10	1.32	—	1.32	1.32	—	1.32	—	51,325	51,325	5.93	0.54	—	51,633
Water	—	—	—	—	—	—	—	—	—	—	—	123	235	358	12.6	0.30	—	764
Waste	—	—	—	—	—	—	—	—	—	—	—	1,686	0.00	1,686	169	0.00	—	5,899
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,588	1,588
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	125	194	236	1,073	3.75	7.08	259	266	6.83	66.3	73.1	1,809	440,350	442,159	196	30.0	2,116	458,100

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	84.2	75.7	214	627	3.27	4.08	259	263	3.88	66.3	70.2	—	338,829	338,829	8.77	29.3	13.7	347,807
Area	2.16	82.2	18.5	7.86	0.12	1.49	—	1.49	1.49	—	1.49	0.00	23,442	23,442	0.44	0.04	—	23,466
Energy	1.91	0.95	17.0	12.1	0.10	1.32	—	1.32	1.32	—	1.32	—	51,325	51,325	5.93	0.54	—	51,633
Water	—	—	—	—	—	—	—	—	—	—	—	123	235	358	12.6	0.30	—	764
Waste	—	—	—	—	—	—	—	—	—	—	—	1,686	0.00	1,686	169	0.00	—	5,899
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,588	1,588
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	88.2	159	250	647	3.49	6.89	259	266	6.69	66.3	73.0	1,809	413,830	415,639	196	30.2	1,602	431,157
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	87.8	79.3	208	705	3.37	4.07	258	262	3.88	66.0	69.9	—	349,041	349,041	8.48	29.1	228	358,162
Area	11.2	91.5	1.96	79.8	0.01	0.20	—	0.20	0.17	—	0.17	0.00	1,881	1,881	0.04	0.01	—	1,884
Energy	1.91	0.95	17.0	12.1	0.10	1.32	—	1.32	1.32	—	1.32	—	49,819	49,819	5.73	0.51	—	50,115
Water	—	—	—	—	—	—	—	—	—	—	—	123	235	358	12.6	0.30	—	764
Waste	—	—	—	—	—	—	—	—	—	—	—	1,686	0.00	1,686	169	0.00	—	5,899
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,588	1,588
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	101	172	227	797	3.49	5.59	258	263	5.37	66.0	71.4	1,809	400,977	402,786	195	30.0	1,816	418,412
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	16.0	14.5	38.0	129	0.61	0.74	47.1	47.8	0.71	12.0	12.7	—	57,788	57,788	1.40	4.82	37.7	59,298
Area	2.05	16.7	0.36	14.6	< 0.005	0.04	—	0.04	0.03	—	0.03	0.00	311	311	0.01	< 0.005	—	312
Energy	0.35	0.17	3.10	2.20	0.02	0.24	—	0.24	0.24	—	0.24	—	8,248	8,248	0.95	0.08	—	8,297
Water	—	—	—	—	—	—	—	—	—	—	—	20.3	39.0	59.3	2.09	0.05	—	126
Waste	—	—	—	—	—	—	—	—	—	—	—	279	0.00	279	27.9	0.00	—	977
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	263	263
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Total	18.4	31.3	41.5	145	0.64	1.02	47.1	48.1	0.98	12.0	13.0	299	66,386	66,686	32.4	4.96	301	69,273

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	98.4	89.8	199	893	3.52	4.07	259	263	3.88	66.3	70.2	—	364,790	364,790	8.40	29.1	528	374,189
Area	24.6	103	19.9	169	0.13	1.68	—	1.68	1.64	—	1.64	0.00	24,000	24,000	0.46	0.05	—	24,026
Energy	1.88	0.94	16.7	12.0	0.10	1.30	—	1.30	1.30	—	1.30	—	48,219	48,219	5.53	0.49	—	48,503
Water	—	—	—	—	—	—	—	—	—	—	—	123	217	340	12.6	0.30	—	746
Waste	—	—	—	—	—	—	—	—	—	—	—	1,686	0.00	1,686	169	0.00	—	5,899
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,588	1,588
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	125	194	235	1,073	3.75	7.06	259	266	6.81	66.3	73.1	1,809	437,226	439,035	196	29.9	2,116	454,952
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	84.2	75.7	214	627	3.27	4.08	259	263	3.88	66.3	70.2	—	338,829	338,829	8.77	29.3	13.7	347,807
Area	2.16	82.2	18.5	7.86	0.12	1.49	—	1.49	1.49	—	1.49	0.00	23,442	23,442	0.44	0.04	—	23,466
Energy	1.88	0.94	16.7	12.0	0.10	1.30	—	1.30	1.30	—	1.30	—	48,219	48,219	5.53	0.49	—	48,503
Water	—	—	—	—	—	—	—	—	—	—	—	123	217	340	12.6	0.30	—	746
Waste	—	—	—	—	—	—	—	—	—	—	—	1,686	0.00	1,686	169	0.00	—	5,899
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,588	1,588
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	88.2	159	249	646	3.49	6.87	259	266	6.67	66.3	73.0	1,809	410,706	412,515	196	30.2	1,602	428,010
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	87.8	79.3	208	705	3.37	4.07	258	262	3.88	66.0	69.9	—	349,041	349,041	8.48	29.1	228	358,162
Area	11.2	91.5	1.96	79.8	0.01	0.20	—	0.20	0.17	—	0.17	0.00	1,881	1,881	0.04	0.01	—	1,884
Energy	1.88	0.94	16.7	12.0	0.10	1.30	—	1.30	1.30	—	1.30	—	46,713	46,713	5.33	0.47	—	46,985
Water	—	—	—	—	—	—	—	—	—	—	—	123	217	340	12.6	0.30	—	746
Waste	—	—	—	—	—	—	—	—	—	—	—	1,686	0.00	1,686	169	0.00	—	5,899
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,588	1,588
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	101	172	227	797	3.48	5.57	258	263	5.35	66.0	71.3	1,809	397,853	399,662	195	29.9	1,816	415,265
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	16.0	14.5	38.0	129	0.61	0.74	47.1	47.8	0.71	12.0	12.7	—	57,788	57,788	1.40	4.82	37.7	59,298
Area	2.05	16.7	0.36	14.6	< 0.005	0.04	—	0.04	0.03	—	0.03	0.00	311	311	0.01	< 0.005	—	312
Energy	0.34	0.17	3.05	2.18	0.02	0.24	—	0.24	0.24	—	0.24	—	7,734	7,734	0.88	0.08	—	7,779
Water	—	—	—	—	—	—	—	—	—	—	—	20.3	36.0	56.3	2.09	0.05	—	123
Waste	—	—	—	—	—	—	—	—	—	—	—	279	0.00	279	27.9	0.00	—	977
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	263	263
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	18.4	31.3	41.4	145	0.64	1.02	47.1	48.1	0.98	12.0	13.0	299	65,869	66,169	32.3	4.95	301	68,752

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

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

Apartme Low Rise	22.0	21.0	13.2	117	0.26	0.16	22.9	23.1	0.15	5.82	5.97	—	26,257	26,257	1.28	1.41	35.8	26,744
Fast Food Restaurant with Drive Thru	17.5	16.0	15.5	166	0.45	0.27	41.6	41.9	0.25	10.6	10.8	—	45,829	45,829	1.45	1.93	64.9	46,505
Supermarket	15.6	14.0	15.9	178	0.50	0.29	46.6	46.9	0.28	11.8	12.1	—	51,025	51,025	1.46	2.05	72.8	51,745
Hotel	4.20	3.62	5.49	65.8	0.19	0.11	18.2	18.4	0.11	4.63	4.73	—	19,809	19,809	0.50	0.75	28.5	20,073
Convenience Market with Gas Pumps	13.2	12.0	12.5	137	0.38	0.22	35.3	35.5	0.21	8.94	9.16	—	38,701	38,701	1.16	1.59	55.0	39,259
Automobile Care Center	2.24	2.04	2.06	22.4	0.06	0.04	5.69	5.73	0.03	1.44	1.48	—	6,252	6,252	0.19	0.26	8.88	6,343
Unrefrigerated Warehouse-No Rail	23.7	21.2	134	206	1.69	2.97	88.6	91.6	2.84	23.1	25.9	—	176,879	176,879	2.35	21.1	262	183,481
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Park	0.01	0.01	0.01	0.13	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	38.6	38.6	< 0.005	< 0.005	0.06	39.1
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	98.4	89.8	199	893	3.52	4.07	259	263	3.88	66.3	70.2	—	364,790	364,790	8.40	29.1	528	374,189
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	18.4	17.3	14.2	90.9	0.23	0.16	22.9	23.1	0.15	5.82	5.97	—	23,486	23,486	1.41	1.44	0.93	23,949

Fast Food Restaurant with Drive Thru	14.9	13.4	16.8	114	0.40	0.27	41.6	41.9	0.25	10.6	10.8	—	40,773	40,773	1.51	1.98	1.68	41,403
Supermarket	13.4	11.8	17.3	119	0.44	0.30	46.6	46.9	0.28	11.8	12.1	—	45,356	45,356	1.50	2.11	1.89	46,023
Hotel	3.68	3.12	6.01	42.1	0.17	0.11	18.2	18.4	0.11	4.63	4.73	—	17,589	17,589	0.50	0.77	0.74	17,832
Convenience Market with Gas Pumps	11.3	10.1	13.6	92.9	0.34	0.22	35.3	35.5	0.21	8.94	9.16	—	34,415	34,415	1.20	1.63	1.43	34,934
Automobile Care Center	1.91	1.72	2.24	15.2	0.05	0.04	5.69	5.73	0.03	1.44	1.48	—	5,560	5,560	0.20	0.27	0.23	5,645
Unrefrigerated Warehouse-No Rail	20.6	18.1	144	153	1.63	2.98	88.6	91.6	2.84	23.1	25.9	—	171,615	171,615	2.44	21.1	6.79	177,985
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Park	0.01	0.01	0.01	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	34.3	34.3	< 0.005	< 0.005	< 0.005	34.8
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	84.2	75.7	214	627	3.27	4.08	259	263	3.88	66.3	70.2	—	338,829	338,829	8.77	29.3	13.7	347,807
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	3.52	3.33	2.47	17.5	0.04	0.03	4.17	4.20	0.03	1.06	1.08	—	4,068	4,068	0.22	0.23	2.56	4,145

Fast Food Restaurant with Drive Thru	2.84	2.57	2.94	23.7	0.08	0.05	7.56	7.61	0.05	1.92	1.96	—	7,080	7,080	0.24	0.32	4.64	7,187
Supermarket	2.54	2.26	3.02	25.1	0.08	0.05	8.47	8.53	0.05	2.15	2.20	—	7,879	7,879	0.24	0.34	5.20	7,993
Hotel	0.70	0.59	1.05	9.12	0.03	0.02	3.31	3.33	0.02	0.84	0.86	—	3,057	3,057	0.08	0.13	2.04	3,099
Convenience Market with Gas Pumps	2.15	1.93	2.38	19.5	0.06	0.04	6.41	6.45	0.04	1.62	1.66	—	5,977	5,977	0.19	0.27	3.93	6,065
Automobile Care Center	0.36	0.33	0.39	3.18	0.01	0.01	1.03	1.04	0.01	0.26	0.27	—	966	966	0.03	0.04	0.63	980
Unrefrigerated Warehouse-No Rail	3.91	3.45	25.7	30.7	0.30	0.54	16.1	16.6	0.52	4.19	4.71	—	28,754	28,754	0.39	3.49	18.7	29,823
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Park	< 0.005	< 0.005	< 0.005	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	5.96	5.96	< 0.005	< 0.005	< 0.005	6.04
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	16.0	14.5	38.0	129	0.61	0.74	47.1	47.8	0.71	12.0	12.7	—	57,788	57,788	1.40	4.82	37.7	59,298

4.1.2. Mitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	22.0	21.0	13.2	117	0.26	0.16	22.9	23.1	0.15	5.82	5.97	—	26,257	26,257	1.28	1.41	35.8	26,744
Fast Food Restaurant with Drive Thru	17.5	16.0	15.5	166	0.45	0.27	41.6	41.9	0.25	10.6	10.8	—	45,829	45,829	1.45	1.93	64.9	46,505
Supermarket	15.6	14.0	15.9	178	0.50	0.29	46.6	46.9	0.28	11.8	12.1	—	51,025	51,025	1.46	2.05	72.8	51,745
Hotel	4.20	3.62	5.49	65.8	0.19	0.11	18.2	18.4	0.11	4.63	4.73	—	19,809	19,809	0.50	0.75	28.5	20,073
Convenience Market with Gas Pumps	13.2	12.0	12.5	137	0.38	0.22	35.3	35.5	0.21	8.94	9.16	—	38,701	38,701	1.16	1.59	55.0	39,259
Automobile Care Center	2.24	2.04	2.06	22.4	0.06	0.04	5.69	5.73	0.03	1.44	1.48	—	6,252	6,252	0.19	0.26	8.88	6,343
Unrefrigerated Warehouse-No Rail	23.7	21.2	134	206	1.69	2.97	88.6	91.6	2.84	23.1	25.9	—	176,879	176,879	2.35	21.1	262	183,481
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Park	0.01	0.01	0.01	0.13	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	38.6	38.6	< 0.005	< 0.005	0.06	39.1
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	98.4	89.8	199	893	3.52	4.07	259	263	3.88	66.3	70.2	—	364,790	364,790	8.40	29.1	528	374,189

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	18.4	17.3	14.2	90.9	0.23	0.16	22.9	23.1	0.15	5.82	5.97	—	23,486	23,486	1.41	1.44	0.93	23,949
Fast Food Restaurant with Drive Thru	14.9	13.4	16.8	114	0.40	0.27	41.6	41.9	0.25	10.6	10.8	—	40,773	40,773	1.51	1.98	1.68	41,403
Supermarket	13.4	11.8	17.3	119	0.44	0.30	46.6	46.9	0.28	11.8	12.1	—	45,356	45,356	1.50	2.11	1.89	46,023
Hotel	3.68	3.12	6.01	42.1	0.17	0.11	18.2	18.4	0.11	4.63	4.73	—	17,589	17,589	0.50	0.77	0.74	17,832
Convenience Market with Gas Pumps	11.3	10.1	13.6	92.9	0.34	0.22	35.3	35.5	0.21	8.94	9.16	—	34,415	34,415	1.20	1.63	1.43	34,934
Automobile Care Center	1.91	1.72	2.24	15.2	0.05	0.04	5.69	5.73	0.03	1.44	1.48	—	5,560	5,560	0.20	0.27	0.23	5,645
Unrefrigerated Warehouse-No Rail	20.6	18.1	144	153	1.63	2.98	88.6	91.6	2.84	23.1	25.9	—	171,615	171,615	2.44	21.1	6.79	177,985
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Park	0.01	0.01	0.01	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	34.3	34.3	< 0.005	< 0.005	< 0.005	34.8
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	84.2	75.7	214	627	3.27	4.08	259	263	3.88	66.3	70.2	—	338,829	338,829	8.77	29.3	13.7	347,807
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartments	3.52	3.33	2.47	17.5	0.04	0.03	4.17	4.20	0.03	1.06	1.08	—	4,068	4,068	0.22	0.23	2.56	4,145
Fast Food Restaurant with Drive Thru	2.84	2.57	2.94	23.7	0.08	0.05	7.56	7.61	0.05	1.92	1.96	—	7,080	7,080	0.24	0.32	4.64	7,187
Supermarket	2.54	2.26	3.02	25.1	0.08	0.05	8.47	8.53	0.05	2.15	2.20	—	7,879	7,879	0.24	0.34	5.20	7,993
Hotel	0.70	0.59	1.05	9.12	0.03	0.02	3.31	3.33	0.02	0.84	0.86	—	3,057	3,057	0.08	0.13	2.04	3,099
Convenience Market with Gas Pumps	2.15	1.93	2.38	19.5	0.06	0.04	6.41	6.45	0.04	1.62	1.66	—	5,977	5,977	0.19	0.27	3.93	6,065
Automobile Care Center	0.36	0.33	0.39	3.18	0.01	0.01	1.03	1.04	0.01	0.26	0.27	—	966	966	0.03	0.04	0.63	980
Unrefrigerated Warehouse-No Rail	3.91	3.45	25.7	30.7	0.30	0.54	16.1	16.6	0.52	4.19	4.71	—	28,754	28,754	0.39	3.49	18.7	29,823
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Park	< 0.005	< 0.005	< 0.005	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	5.96	5.96	< 0.005	< 0.005	< 0.005	6.04
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	16.0	14.5	38.0	129	0.61	0.74	47.1	47.8	0.71	12.0	12.7	—	57,788	57,788	1.40	4.82	37.7	59,298

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	5,720	5,720	0.77	0.09	—	5,767
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	552	552	0.07	0.01	—	557
Supermarket	—	—	—	—	—	—	—	—	—	—	—	—	1,252	1,252	0.17	0.02	—	1,262
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	1,382	1,382	0.19	0.02	—	1,394
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	126	126	0.02	< 0.005	—	128
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	103	103	0.01	< 0.005	—	103
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	13,681	13,681	1.83	0.22	—	13,793
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	2,603	2,603	0.35	0.04	—	2,624
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

undefined	—	—	—	—	—	—	—	—	—	—	—	—	5,233	5,233	0.70	0.08	—	5,276
Total	—	—	—	—	—	—	—	—	—	—	—	—	30,653	30,653	4.10	0.50	—	30,904
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	5,720	5,720	0.77	0.09	—	5,767
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	552	552	0.07	0.01	—	557
Supermarket	—	—	—	—	—	—	—	—	—	—	—	—	1,252	1,252	0.17	0.02	—	1,262
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	1,382	1,382	0.19	0.02	—	1,394
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	126	126	0.02	< 0.005	—	128
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	103	103	0.01	< 0.005	—	103
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	13,681	13,681	1.83	0.22	—	13,793
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	2,603	2,603	0.35	0.04	—	2,624
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

undefine	—	—	—	—	—	—	—	—	—	—	—	—	5,233	5,233	0.70	0.08	—	5,276
Total	—	—	—	—	—	—	—	—	—	—	—	—	30,653	30,653	4.10	0.50	—	30,904
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	947	947	0.13	0.02	—	955
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	91.4	91.4	0.01	< 0.005	—	92.2
Supermarket	—	—	—	—	—	—	—	—	—	—	—	—	207	207	0.03	< 0.005	—	209
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	229	229	0.03	< 0.005	—	231
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	20.9	20.9	< 0.005	< 0.005	—	21.1
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	17.0	17.0	< 0.005	< 0.005	—	17.1
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	2,265	2,265	0.30	0.04	—	2,284
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	431	431	0.06	0.01	—	434
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
undefined	—	—	—	—	—	—	—	—	—	—	—	—	617	617	0.08	0.01	—	622

Total	—	—	—	—	—	—	—	—	—	—	—	—	4,826	4,826	0.65	0.08	—	4,865

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	3,646	3,646	0.49	0.06	—	3,676
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	496	496	0.07	0.01	—	500
Supermarket	—	—	—	—	—	—	—	—	—	—	—	—	840	840	0.11	0.01	—	847
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	1,312	1,312	0.18	0.02	—	1,323
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	91.5	91.5	0.01	< 0.005	—	92.3
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	90.2	90.2	0.01	< 0.005	—	91.0
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	13,551	13,551	1.81	0.22	—	13,662

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	2,603	2,603	0.35	0.04	—	2,624
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
undefined	—	—	—	—	—	—	—	—	—	—	—	—	5,233	5,233	0.70	0.08	—	5,276
Total	—	—	—	—	—	—	—	—	—	—	—	—	27,863	27,863	3.73	0.45	—	28,091
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	3,646	3,646	0.49	0.06	—	3,676
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	496	496	0.07	0.01	—	500
Supermarket	—	—	—	—	—	—	—	—	—	—	—	—	840	840	0.11	0.01	—	847
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	1,312	1,312	0.18	0.02	—	1,323
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	91.5	91.5	0.01	< 0.005	—	92.3
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	90.2	90.2	0.01	< 0.005	—	91.0
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	13,551	13,551	1.81	0.22	—	13,662

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	2,603	2,603	0.35	0.04	—	2,624
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
undefined	—	—	—	—	—	—	—	—	—	—	—	—	5,233	5,233	0.70	0.08	—	5,276
Total	—	—	—	—	—	—	—	—	—	—	—	—	27,863	27,863	3.73	0.45	—	28,091
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	604	604	0.08	0.01	—	609
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	82.1	82.1	0.01	< 0.005	—	82.7
Supermarket	—	—	—	—	—	—	—	—	—	—	—	—	139	139	0.02	< 0.005	—	140
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	217	217	0.03	< 0.005	—	219
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	15.1	15.1	< 0.005	< 0.005	—	15.3
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	14.9	14.9	< 0.005	< 0.005	—	15.1
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	2,244	2,244	0.30	0.04	—	2,262
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	431	431	0.06	0.01	—	434

Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
undefined	—	—	—	—	—	—	—	—	—	—	—	—	617	617	0.08	0.01	—	622
Total	—	—	—	—	—	—	—	—	—	—	—	—	4,364	4,364	0.58	0.07	—	4,400

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.62	0.31	5.30	2.26	0.03	0.43	—	0.43	0.43	—	0.43	—	6,728	6,728	0.60	0.01	—	6,746
Fast Food Restaurant with Drive Thru	0.04	0.02	0.34	0.29	< 0.005	0.03	—	0.03	0.03	—	0.03	—	412	412	0.04	< 0.005	—	413
Supermarket	0.03	0.02	0.29	0.24	< 0.005	0.02	—	0.02	0.02	—	0.02	—	345	345	0.03	< 0.005	—	346
Hotel	0.19	0.09	1.72	1.44	0.01	0.13	—	0.13	0.13	—	0.13	—	2,052	2,052	0.18	< 0.005	—	2,058
Convenience Market with Gas Pumps	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	34.8	34.8	< 0.005	< 0.005	—	34.9
Automobile Care Center	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	52.1	52.1	< 0.005	< 0.005	—	52.2

Unrefrige Warehouse-No Rail	1.02	0.51	9.26	7.78	0.06	0.70	—	0.70	0.70	—	0.70	—	11,049	11,049	0.98	0.02	—	11,079
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	1.91	0.95	17.0	12.1	0.10	1.32	—	1.32	1.32	—	1.32	—	20,672	20,672	1.83	0.04	—	20,729
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.62	0.31	5.30	2.26	0.03	0.43	—	0.43	0.43	—	0.43	—	6,728	6,728	0.60	0.01	—	6,746
Fast Food Restaurant with Drive Thru	0.04	0.02	0.34	0.29	< 0.005	0.03	—	0.03	0.03	—	0.03	—	412	412	0.04	< 0.005	—	413
Supermarket	0.03	0.02	0.29	0.24	< 0.005	0.02	—	0.02	0.02	—	0.02	—	345	345	0.03	< 0.005	—	346
Hotel	0.19	0.09	1.72	1.44	0.01	0.13	—	0.13	0.13	—	0.13	—	2,052	2,052	0.18	< 0.005	—	2,058
Convenience Market with Gas Pumps	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	34.8	34.8	< 0.005	< 0.005	—	34.9
Automobile Care Center	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	52.1	52.1	< 0.005	< 0.005	—	52.2

Unrefrigerated Warehouse-No Rail	1.02	0.51	9.26	7.78	0.06	0.70	—	0.70	0.70	—	0.70	—	11,049	11,049	0.98	0.02	—	11,079
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	1.91	0.95	17.0	12.1	0.10	1.32	—	1.32	1.32	—	1.32	—	20,672	20,672	1.83	0.04	—	20,729
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.11	0.06	0.97	0.41	0.01	0.08	—	0.08	0.08	—	0.08	—	1,114	1,114	0.10	< 0.005	—	1,117
Fast Food Restaurant with Drive Thru	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	68.1	68.1	0.01	< 0.005	—	68.3
Supermarket	0.01	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	57.1	57.1	0.01	< 0.005	—	57.3
Hotel	0.03	0.02	0.31	0.26	< 0.005	0.02	—	0.02	0.02	—	0.02	—	340	340	0.03	< 0.005	—	341
Convenience Market with Gas Pumps	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.77	5.77	< 0.005	< 0.005	—	5.79
Automobile Care Center	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.62	8.62	< 0.005	< 0.005	—	8.64

Unrefrigerated Warehouse-No Rail	0.19	0.09	1.69	1.42	0.01	0.13	—	0.13	0.13	—	0.13	—	1,829	1,829	0.16	< 0.005	—	1,834
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.35	0.17	3.10	2.20	0.02	0.24	—	0.24	0.24	—	0.24	—	3,422	3,422	0.30	0.01	—	3,432

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.60	0.30	5.08	2.16	0.03	0.41	—	0.41	0.41	—	0.41	—	6,454	6,454	0.57	0.01	—	6,472
Fast Food Restaurant with Drive Thru	0.04	0.02	0.34	0.29	< 0.005	0.03	—	0.03	0.03	—	0.03	—	411	411	0.04	< 0.005	—	412
Supermarket	0.03	0.02	0.29	0.24	< 0.005	0.02	—	0.02	0.02	—	0.02	—	344	344	0.03	< 0.005	—	345
Hotel	0.19	0.09	1.69	1.42	0.01	0.13	—	0.13	0.13	—	0.13	—	2,011	2,011	0.18	< 0.005	—	2,017
Convenience Market with Gas Pumps	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	34.8	34.8	< 0.005	< 0.005	—	34.9

Automob Care Center	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	51.9	51.9	< 0.005	< 0.005	—	52.1
Unrefrige rated Warehou se-No Rail	1.02	0.51	9.26	7.78	0.06	0.70	—	0.70	0.70	—	0.70	—	11,047	11,047	0.98	0.02	—	11,078
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	1.88	0.94	16.7	12.0	0.10	1.30	—	1.30	1.30	—	1.30	—	20,355	20,355	1.80	0.04	—	20,412
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Low Rise	0.60	0.30	5.08	2.16	0.03	0.41	—	0.41	0.41	—	0.41	—	6,454	6,454	0.57	0.01	—	6,472
Fast Food Restaurant with Drive Thru	0.04	0.02	0.34	0.29	< 0.005	0.03	—	0.03	0.03	—	0.03	—	411	411	0.04	< 0.005	—	412
Superma rket	0.03	0.02	0.29	0.24	< 0.005	0.02	—	0.02	0.02	—	0.02	—	344	344	0.03	< 0.005	—	345
Hotel	0.19	0.09	1.69	1.42	0.01	0.13	—	0.13	0.13	—	0.13	—	2,011	2,011	0.18	< 0.005	—	2,017
Convenie nce Market with Gas Pumps	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	34.8	34.8	< 0.005	< 0.005	—	34.9

Automobile Care Center	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	51.9	51.9	< 0.005	< 0.005	—	52.1
Unrefrigerated Warehouse-No Rail	1.02	0.51	9.26	7.78	0.06	0.70	—	0.70	0.70	—	0.70	—	11,047	11,047	0.98	0.02	—	11,078
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	1.88	0.94	16.7	12.0	0.10	1.30	—	1.30	1.30	—	1.30	—	20,355	20,355	1.80	0.04	—	20,412
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.11	0.05	0.93	0.39	0.01	0.08	—	0.08	0.08	—	0.08	—	1,069	1,069	0.09	< 0.005	—	1,072
Fast Food Restaurant with Drive Thru	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	68.1	68.1	0.01	< 0.005	—	68.3
Supermarket	0.01	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	57.0	57.0	0.01	< 0.005	—	57.2
Hotel	0.03	0.02	0.31	0.26	< 0.005	0.02	—	0.02	0.02	—	0.02	—	333	333	0.03	< 0.005	—	334
Convenience Market with Gas Pumps	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.76	5.76	< 0.005	< 0.005	—	5.78
Automobile Care Center	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.60	8.60	< 0.005	< 0.005	—	8.62

Unrefrige Warehouse-No Rail	0.19	0.09	1.69	1.42	0.01	0.13	—	0.13	0.13	—	0.13	—	1,829	1,829	0.16	< 0.005	—	1,834
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.34	0.17	3.05	2.18	0.02	0.24	—	0.24	0.24	—	0.24	—	3,370	3,370	0.30	0.01	—	3,379

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	2.16	1.08	18.5	7.86	0.12	1.49	—	1.49	1.49	—	1.49	0.00	23,442	23,442	0.44	0.04	—	23,466
Consumer Products	—	73.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	7.85	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	22.5	20.9	1.41	161	0.01	0.19	—	0.19	0.14	—	0.14	—	559	559	0.02	< 0.005	—	561
Total	24.6	103	19.9	169	0.13	1.68	—	1.68	1.64	—	1.64	0.00	24,000	24,000	0.46	0.05	—	24,026
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Hearths	2.16	1.08	18.5	7.86	0.12	1.49	—	1.49	1.49	—	1.49	0.00	23,442	23,442	0.44	0.04	—	23,466
Consumer Products	—	73.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	7.85	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	2.16	82.2	18.5	7.86	0.12	1.49	—	1.49	1.49	—	1.49	0.00	23,442	23,442	0.44	0.04	—	23,466
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.03	0.01	0.23	0.10	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	266	266	0.01	< 0.005	—	266
Consumer Products	—	13.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.02	1.88	0.13	14.5	< 0.005	0.02	—	0.02	0.01	—	0.01	—	45.6	45.6	< 0.005	< 0.005	—	45.8
Total	2.05	16.7	0.36	14.6	< 0.005	0.04	—	0.04	0.03	—	0.03	0.00	311	311	0.01	< 0.005	—	312

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	2.16	1.08	18.5	7.86	0.12	1.49	—	1.49	1.49	—	1.49	0.00	23,442	23,442	0.44	0.04	—	23,466
Consumer Products	—	73.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural	—	7.85	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	22.5	20.9	1.41	161	0.01	0.19	—	0.19	0.14	—	0.14	—	559	559	0.02	< 0.005	—	561
Total	24.6	103	19.9	169	0.13	1.68	—	1.68	1.64	—	1.64	0.00	24,000	24,000	0.46	0.05	—	24,026
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	2.16	1.08	18.5	7.86	0.12	1.49	—	1.49	1.49	—	1.49	0.00	23,442	23,442	0.44	0.04	—	23,466
Consumer Products	—	73.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	7.85	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	2.16	82.2	18.5	7.86	0.12	1.49	—	1.49	1.49	—	1.49	0.00	23,442	23,442	0.44	0.04	—	23,466
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.03	0.01	0.23	0.10	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	266	266	0.01	< 0.005	—	266
Consumer Products	—	13.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.02	1.88	0.13	14.5	< 0.005	0.02	—	0.02	0.01	—	0.01	—	45.6	45.6	< 0.005	< 0.005	—	45.8
Total	2.05	16.7	0.36	14.6	< 0.005	0.04	—	0.04	0.03	—	0.03	0.00	311	311	0.01	< 0.005	—	312

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	96.4	161	257	9.91	0.24	—	576
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	7.04	11.8	18.8	0.72	0.02	—	42.0
Supermarket	—	—	—	—	—	—	—	—	—	—	—	11.7	19.5	31.2	1.20	0.03	—	69.8
Hotel	—	—	—	—	—	—	—	—	—	—	—	6.22	10.4	16.6	0.64	0.02	—	37.2
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.32	0.54	0.86	0.03	< 0.005	—	1.91
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.90	1.51	2.41	0.09	< 0.005	—	5.38
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.20	0.33	0.53	0.02	< 0.005	—	1.19
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	30.4	30.4	< 0.005	< 0.005	—	30.6
Total	—	—	—	—	—	—	—	—	—	—	—	123	235	358	12.6	0.30	—	764
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	96.4	161	257	9.91	0.24	—	576
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	7.04	11.8	18.8	0.72	0.02	—	42.0
Supermarket	—	—	—	—	—	—	—	—	—	—	—	11.7	19.5	31.2	1.20	0.03	—	69.8
Hotel	—	—	—	—	—	—	—	—	—	—	—	6.22	10.4	16.6	0.64	0.02	—	37.2
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.32	0.54	0.86	0.03	< 0.005	—	1.91
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.90	1.51	2.41	0.09	< 0.005	—	5.38
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.20	0.33	0.53	0.02	< 0.005	—	1.19
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	30.4	30.4	< 0.005	< 0.005	—	30.6
Total	—	—	—	—	—	—	—	—	—	—	—	123	235	358	12.6	0.30	—	764

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	16.0	26.7	42.6	1.64	0.04	—	95.3
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	1.17	1.95	3.11	0.12	< 0.005	—	6.96
Supermarket	—	—	—	—	—	—	—	—	—	—	—	1.94	3.23	5.17	0.20	< 0.005	—	11.6
Hotel	—	—	—	—	—	—	—	—	—	—	—	1.03	1.72	2.75	0.11	< 0.005	—	6.15
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.05	0.09	0.14	0.01	< 0.005	—	0.32
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.15	0.25	0.40	0.02	< 0.005	—	0.89
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.03	0.06	0.09	< 0.005	< 0.005	—	0.20
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	5.03	5.03	< 0.005	< 0.005	—	5.07
Total	—	—	—	—	—	—	—	—	—	—	—	20.3	39.0	59.3	2.09	0.05	—	126

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	96.4	161	257	9.91	0.24	—	576
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	7.04	11.8	18.8	0.72	0.02	—	42.0
Supermarket	—	—	—	—	—	—	—	—	—	—	—	11.7	19.5	31.2	1.20	0.03	—	69.8
Hotel	—	—	—	—	—	—	—	—	—	—	—	6.22	10.4	16.6	0.64	0.02	—	37.2
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.32	0.54	0.86	0.03	< 0.005	—	1.91
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.90	1.51	2.41	0.09	< 0.005	—	5.38
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.20	0.33	0.53	0.02	< 0.005	—	1.19
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	12.3	12.3	< 0.005	< 0.005	—	12.4
Total	—	—	—	—	—	—	—	—	—	—	—	123	217	340	12.6	0.30	—	746

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	96.4	161	257	9.91	0.24	—	576
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	7.04	11.8	18.8	0.72	0.02	—	42.0
Supermarket	—	—	—	—	—	—	—	—	—	—	—	11.7	19.5	31.2	1.20	0.03	—	69.8
Hotel	—	—	—	—	—	—	—	—	—	—	—	6.22	10.4	16.6	0.64	0.02	—	37.2
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.32	0.54	0.86	0.03	< 0.005	—	1.91
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.90	1.51	2.41	0.09	< 0.005	—	5.38
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.20	0.33	0.53	0.02	< 0.005	—	1.19
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	12.3	12.3	< 0.005	< 0.005	—	12.4
Total	—	—	—	—	—	—	—	—	—	—	—	123	217	340	12.6	0.30	—	746
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartments	—	—	—	—	—	—	—	—	—	—	—	16.0	26.7	42.6	1.64	0.04	—	95.3
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	1.17	1.95	3.11	0.12	< 0.005	—	6.96
Supermarket	—	—	—	—	—	—	—	—	—	—	—	1.94	3.23	5.17	0.20	< 0.005	—	11.6
Hotel	—	—	—	—	—	—	—	—	—	—	—	1.03	1.72	2.75	0.11	< 0.005	—	6.15
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.05	0.09	0.14	0.01	< 0.005	—	0.32
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.15	0.25	0.40	0.02	< 0.005	—	0.89
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.03	0.06	0.09	< 0.005	< 0.005	—	0.20
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	2.04	2.04	< 0.005	< 0.005	—	2.06
Total	—	—	—	—	—	—	—	—	—	—	—	20.3	36.0	56.3	2.09	0.05	—	123

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	493	0.00	493	49.3	0.00	—	1,725
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	75.1	0.00	75.1	7.51	0.00	—	263
Supermarket	—	—	—	—	—	—	—	—	—	—	—	150	0.00	150	15.0	0.00	—	526
Hotel	—	—	—	—	—	—	—	—	—	—	—	37.8	0.00	37.8	3.77	0.00	—	132
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	3.65	0.00	3.65	0.37	0.00	—	12.8
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	10.3	0.00	10.3	1.03	0.00	—	36.0
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	915	0.00	915	91.5	0.00	—	3,202
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.79	0.00	0.79	0.08	0.00	—	2.77
Total	—	—	—	—	—	—	—	—	—	—	—	1,686	0.00	1,686	169	0.00	—	5,899

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	493	0.00	493	49.3	0.00	—	1,725
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	75.1	0.00	75.1	7.51	0.00	—	263
Supermarket	—	—	—	—	—	—	—	—	—	—	—	150	0.00	150	15.0	0.00	—	526
Hotel	—	—	—	—	—	—	—	—	—	—	—	37.8	0.00	37.8	3.77	0.00	—	132
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	3.65	0.00	3.65	0.37	0.00	—	12.8
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	10.3	0.00	10.3	1.03	0.00	—	36.0
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	915	0.00	915	91.5	0.00	—	3,202
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.79	0.00	0.79	0.08	0.00	—	2.77
Total	—	—	—	—	—	—	—	—	—	—	—	1,686	0.00	1,686	169	0.00	—	5,899
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartments	—	—	—	—	—	—	—	—	—	—	—	81.6	0.00	81.6	8.16	0.00	—	286
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	12.4	0.00	12.4	1.24	0.00	—	43.5
Supermarket	—	—	—	—	—	—	—	—	—	—	—	24.9	0.00	24.9	2.49	0.00	—	87.2
Hotel	—	—	—	—	—	—	—	—	—	—	—	6.25	0.00	6.25	0.62	0.00	—	21.9
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.60	0.00	0.60	0.06	0.00	—	2.12
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	1.70	0.00	1.70	0.17	0.00	—	5.96
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	152	0.00	152	15.1	0.00	—	530
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.13	0.00	0.13	0.01	0.00	—	0.46
Total	—	—	—	—	—	—	—	—	—	—	—	279	0.00	279	27.9	0.00	—	977

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	493	0.00	493	49.3	0.00	—	1,725
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	75.1	0.00	75.1	7.51	0.00	—	263
Supermarket	—	—	—	—	—	—	—	—	—	—	—	150	0.00	150	15.0	0.00	—	526
Hotel	—	—	—	—	—	—	—	—	—	—	—	37.8	0.00	37.8	3.77	0.00	—	132
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	3.65	0.00	3.65	0.37	0.00	—	12.8
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	10.3	0.00	10.3	1.03	0.00	—	36.0
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	915	0.00	915	91.5	0.00	—	3,202
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.79	0.00	0.79	0.08	0.00	—	2.77
Total	—	—	—	—	—	—	—	—	—	—	—	1,686	0.00	1,686	169	0.00	—	5,899

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	493	0.00	493	49.3	0.00	—	1,725
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	75.1	0.00	75.1	7.51	0.00	—	263
Supermarket	—	—	—	—	—	—	—	—	—	—	—	150	0.00	150	15.0	0.00	—	526
Hotel	—	—	—	—	—	—	—	—	—	—	—	37.8	0.00	37.8	3.77	0.00	—	132
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	3.65	0.00	3.65	0.37	0.00	—	12.8
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	10.3	0.00	10.3	1.03	0.00	—	36.0
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	915	0.00	915	91.5	0.00	—	3,202
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.79	0.00	0.79	0.08	0.00	—	2.77
Total	—	—	—	—	—	—	—	—	—	—	—	1,686	0.00	1,686	169	0.00	—	5,899
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartments	—	—	—	—	—	—	—	—	—	—	—	81.6	0.00	81.6	8.16	0.00	—	286
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	12.4	0.00	12.4	1.24	0.00	—	43.5
Supermarket	—	—	—	—	—	—	—	—	—	—	—	24.9	0.00	24.9	2.49	0.00	—	87.2
Hotel	—	—	—	—	—	—	—	—	—	—	—	6.25	0.00	6.25	0.62	0.00	—	21.9
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.60	0.00	0.60	0.06	0.00	—	2.12
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	1.70	0.00	1.70	0.17	0.00	—	5.96
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	152	0.00	152	15.1	0.00	—	530
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.13	0.00	0.13	0.01	0.00	—	0.46
Total	—	—	—	—	—	—	—	—	—	—	—	279	0.00	279	27.9	0.00	—	977

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.40	8.40
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.79	6.79
Supermarket	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	393	393
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	105	105
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	39.6	39.6
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,037	1,037
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,588	1,588
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.40	8.40
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.79	6.79

Superma	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	393	393
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	105	105
Convenie nce Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	39.6	39.6
Automob ile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,037	1,037
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,588	1,588
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.39	1.39
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.12	1.12
Superma rket	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	65.0	65.0
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	17.3	17.3
Convenie nce Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.56	6.56
Automob ile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	172	172
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	263	263

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.40	8.40
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.79	6.79
Supermarket	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	393	393
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	105	105
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	39.6	39.6
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,037	1,037
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,588	1,588
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.40	8.40

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.79	6.79
Supermarket	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	393	393
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	105	105
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	39.6	39.6
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,037	1,037
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,588	1,588
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.39	1.39
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.12	1.12
Supermarket	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	65.0	65.0
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	17.3	17.3
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.56	6.56

Automobile	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	172	172
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	263	263

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.7.2. Mitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

4.8.2. Mitigated

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

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

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

4.9.2. Mitigated

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

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

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
Apartments Low Rise	8,337	8,337	8,337	3,043,004	32,442	32,442	32,442	11,841,447
Fast Food Restaurant with Drive Thru	5,657	5,657	5,657	2,064,805	58,868	58,868	58,868	21,486,892

Supermarket	4,645	4,645	4,645	1,695,425	65,960	65,960	65,960	24,075,413
Hotel	1,023	1,023	1,023	373,293	25,804	25,804	25,804	9,418,475
Convenience Market with Gas Pumps	4,114	4,114	4,114	1,501,610	49,879	49,879	49,879	18,205,967
Automobile Care Center	710	710	710	259,150	8,046	8,046	8,046	2,936,719
Unrefrigerated Warehouse-No Rail	6,967	6,967	6,967	2,542,956	57,056	57,056	57,056	20,825,330
Unrefrigerated Warehouse-No Rail	1,720	1,720	1,720	627,722	56,073	56,073	56,073	20,466,619
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Park	1.99	1.99	1.99	728	50.3	50.3	50.3	18,368
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Low Rise	8,337	8,337	8,337	3,043,004	32,442	32,442	32,442	11,841,447
Fast Food Restaurant with Drive Thru	5,657	5,657	5,657	2,064,805	58,868	58,868	58,868	21,486,892
Supermarket	4,645	4,645	4,645	1,695,425	65,960	65,960	65,960	24,075,413
Hotel	1,023	1,023	1,023	373,293	25,804	25,804	25,804	9,418,475
Convenience Market with Gas Pumps	4,114	4,114	4,114	1,501,610	49,879	49,879	49,879	18,205,967
Automobile Care Center	710	710	710	259,150	8,046	8,046	8,046	2,936,719
Unrefrigerated Warehouse-No Rail	6,967	6,967	6,967	2,542,956	57,056	57,056	57,056	20,825,330
Unrefrigerated Warehouse-No Rail	1,720	1,720	1,720	627,722	56,073	56,073	56,073	20,466,619

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Park	1.99	1.99	1.99	728	50.3	50.3	50.3	18,368
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Low Rise	—
Wood Fireplaces	62
Gas Fireplaces	1113
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	124
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Apartments Low Rise	—
Wood Fireplaces	62
Gas Fireplaces	1113
Propane Fireplaces	0

Electric Fireplaces	0
No Fireplaces	124
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
2655220.5	885,074	3,111,563	1,037,188	263,974

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

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)

Apartments Low Rise	8,469,480	247	0.0330	0.0040	20,992,166
Fast Food Restaurant with Drive Thru	817,741	247	0.0330	0.0040	1,284,008
Supermarket	1,853,843	247	0.0330	0.0040	1,076,482
Hotel	2,047,003	247	0.0330	0.0040	6,402,648
Convenience Market with Gas Pumps	187,257	247	0.0330	0.0040	108,736
Automobile Care Center	151,872	247	0.0330	0.0040	162,423
Unrefrigerated Warehouse-No Rail	9,640,023	247	0.0330	0.0040	16,406,766
Unrefrigerated Warehouse-No Rail	10,616,462	247	0.0330	0.0040	18,068,609
Parking Lot	3,854,015	247	0.0330	0.0040	0.00
Industrial Park	0.00	247	0.0330	0.0040	0.00
City Park	0.00	247	0.0330	0.0040	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)
Apartments Low Rise	5,398,205	247	0.0330	0.0040	20,138,935
Fast Food Restaurant with Drive Thru	733,876	247	0.0330	0.0040	1,282,981
Supermarket	1,244,241	247	0.0330	0.0040	1,074,872
Hotel	1,942,900	247	0.0330	0.0040	6,276,060
Convenience Market with Gas Pumps	135,491	247	0.0330	0.0040	108,573
Automobile Care Center	133,594	247	0.0330	0.0040	162,059
Unrefrigerated Warehouse-No Rail	9,549,050	247	0.0330	0.0040	16,404,414

Unrefrigerated Warehouse-No Rail	10,516,275	247	0.0330	0.0040	18,066,019
Parking Lot	3,854,015	247	0.0330	0.0040	0.00
Industrial Park	0.00	247	0.0330	0.0040	0.00
City Park	0.00	247	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Low Rise	50,313,460	0.00
Fast Food Restaurant with Drive Thru	3,672,758	0.00
Supermarket	6,101,777	0.00
Hotel	3,246,947	0.00
Convenience Market with Gas Pumps	167,315	0.00
Automobile Care Center	470,406	0.00
Unrefrigerated Warehouse-No Rail	49,499	0.00
Unrefrigerated Warehouse-No Rail	54,513	0.00
Parking Lot	0.00	0.00
Industrial Park	0.00	0.00
City Park	0.00	13,969,029

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Low Rise	50,313,460	0.00
Fast Food Restaurant with Drive Thru	3,672,758	0.00
Supermarket	6,101,777	0.00

Hotel	3,246,947	0.00
Convenience Market with Gas Pumps	167,315	0.00
Automobile Care Center	470,406	0.00
Unrefrigerated Warehouse-No Rail	49,499	0.00
Unrefrigerated Warehouse-No Rail	54,513	0.00
Parking Lot	0.00	0.00
Industrial Park	0.00	0.00
City Park	0.00	5,678,717

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Low Rise	915	—
Fast Food Restaurant with Drive Thru	139	—
Supermarket	279	—
Hotel	70.1	—
Convenience Market with Gas Pumps	6.78	—
Automobile Care Center	19.1	—
Unrefrigerated Warehouse-No Rail	808	—
Unrefrigerated Warehouse-No Rail	890	—
Parking Lot	0.00	—
Industrial Park	0.00	—
City Park	1.47	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)

Apartments Low Rise	915	—
Fast Food Restaurant with Drive Thru	139	—
Supermarket	279	—
Hotel	70.1	—
Convenience Market with Gas Pumps	6.78	—
Automobile Care Center	19.1	—
Unrefrigerated Warehouse-No Rail	808	—
Unrefrigerated Warehouse-No Rail	890	—
Parking Lot	0.00	—
Industrial Park	0.00	—
City Park	1.47	—

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
Apartments Low Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	750	< 0.005	2.50	2.50	10.0
Apartments Low Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Fast Food Restaurant with Drive Thru	Household refrigerators and/or freezers	R-134a	150	0.00	0.60	0.00	1.00
Fast Food Restaurant with Drive Thru	Other commercial A/C and heat pumps	R-410A	750	1.80	4.00	4.00	18.0
Fast Food Restaurant with Drive Thru	Walk-in refrigerators and freezers	R-404A	150	< 0.005	7.50	7.50	20.0
Supermarket	Other commercial A/C and heat pumps	R-410A	750	< 0.005	4.00	4.00	18.0

Supermarket	Supermarket refrigeration and condensing units	R-404A	150	26.5	16.5	16.5	18.0
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	750	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Convenience Market with Gas Pumps	Other commercial A/C and heat pumps	R-410A	750	< 0.005	4.00	4.00	18.0
Convenience Market with Gas Pumps	Supermarket refrigeration and condensing units	R-404A	150	26.5	16.5	16.5	18.0
Automobile Care Center	Other commercial A/C and heat pumps	R-410A	750	< 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
Apartments Low Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	750	< 0.005	2.50	2.50	10.0
Apartments Low Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Fast Food Restaurant with Drive Thru	Household refrigerators and/or freezers	R-134a	150	0.00	0.60	0.00	1.00
Fast Food Restaurant with Drive Thru	Other commercial A/C and heat pumps	R-410A	750	1.80	4.00	4.00	18.0
Fast Food Restaurant with Drive Thru	Walk-in refrigerators and freezers	R-404A	150	< 0.005	7.50	7.50	20.0

Supermarket	Other commercial A/C and heat pumps	R-410A	750	< 0.005	4.00	4.00	18.0
Supermarket	Supermarket refrigeration and condensing units	R-404A	150	26.5	16.5	16.5	18.0
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	750	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Convenience Market with Gas Pumps	Other commercial A/C and heat pumps	R-410A	750	< 0.005	4.00	4.00	18.0
Convenience Market with Gas Pumps	Supermarket refrigeration and condensing units	R-404A	150	26.5	16.5	16.5	18.0
Automobile Care Center	Other commercial A/C and heat pumps	R-410A	750	< 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
Forklifts	Electric	Average	217	8.00	82.0	0.20

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Forklifts	Electric	Average	217	8.00	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
—	—

8. User Changes to Default Data

Screen	Justification
Land Use	Land uses updated based on site plan. Lot acreage is based on building footprint for residential and industrial land uses. All hardscaped surfaces are modeled as the Parking Lot land use. Landscaped surfaces are modeled as the City Park land use. The Industrial Park land use was chosen to model the substation because of the 50,000 square foot size limit for the General Light Industry land use type.
Operations: Vehicle Data	Trip rates updated based on the traffic report. Default trip rate for the Industrial Park land use decreased to reflect substation operations. City Park trips reduced to zero because the City Park land use is modeling landscaped area. Trip length for residential and warehouse office land uses adjusted based on VMT memo. Trip length for warehouses adjusted based on SCAQMD data. Passenger car trips for both warehouses were assigned to the 859,610 square foot non-sort warehouse. Truck trips for both warehouses were assigned to the 946,680 square foot sort warehouse. Primary, diverted, and pass-by trip percentages based on traffic report (LLG 2023). Internal capture was modeled as diverted trips.
Operations: Fleet Mix	Warehouse fleet mix updated based on traffic report. Passenger car trips for both warehouses were assigned to the 859,610 square foot non-sort warehouse. Truck trips for both warehouses were assigned to the 946,680 square foot sort warehouse.

Operations: Hearths	Wood stoves and fireplaces were removed due to SCAQMD Rule 445 and the number of gas fireplaces were increased to reflect project conditions.
Operations: Energy Use	Industrial Park land use energy consumption defaults decreased to 0 to reflect the operation of the substation.
Operations: Water and Waste Water	Industrial Park land use water consumption defaults decreased to 0 to reflect the operation of the substation. Indoor water use for warehouse land uses decreased based on water usage rates of indoor water fixtures compliant with CALGreen and the number of employees.
Operations: Solid Waste	Industrial Park land use waste generation defaults decreased to 0 to reflect the operation of the substation.
Operations: Refrigerants	GWP decreased according to requirements in California Code of Regulations, Title 17, Division 3, Chapter 1, Subchapter 10 Climate Change, Article 4. Industrial Park land use refrigerants deleted to reflect the operation of the substation. City Park (landscaping) refrigerants deleted to reflect operation of landscaped area.

Other Operational Emissions Data

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Diesel Yard Hosteler Emissions Calculations

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT
Riverside (SC)	2033	T7 Public Class 8	Aggregate	Aggregate	Diesel	453.9191	18080.1779

Number of Hostelers:	8

VMT/Hosteler/Day:		39.83
	Total VMT/Day	318.65

EMFAC EMISSION FACTOR			Emissions Estimates			
			g/day	lbs/day	MT/yr	MTCO2e/yr
NOx_RUNEX	5.660081819	g/mi	1,803.6	4.0	--	--
NOx_IDLEX	29.20818067	g/vehicle/day	233.7	0.5	--	--
PM2.5_RUNEX	0.035952585	g/mi	11.5	0.0	--	--
PM2.5_IDLEX	0.047776526	g/vehicle/day	0.4	0.0	--	--
PM2.5_PMTW	0.009000003	g/mi	2.9	0.0	--	--
PM2.5_PMBW	0.029810839	g/mi	9.5	0.0	--	--
PM10_RUNEX	0.037578201	g/mi	12.0	0.0	--	--
PM10_IDLEX	0.049936769	g/vehicle/day	0.4	0.0	--	--
PM10_PMTW	0.03600001	g/mi	11.5	0.0	--	--
PM10_PMBW	0.085173826	g/mi	27.1	0.1	--	--
CO2_RUNEX	1594.472747	g/mi	508,079.1	1,120.1	0.5	185.4
CO2_IDLEX	3069.658764	g/vehicle/day	24,557.3	54.1	0.0	9.0
CH4_RUNEX	0.002012395	g/mi	0.6	0.0	0.0	0.0
CH4_IDLEX	0.05062591	g/vehicle/day	0.4	0.0	0.0	0.0
N2O_RUNEX	0.251209831	g/mi	80.0	0.2	0.0	8.7
N2O_IDLEX	0.483625988	g/vehicle/day	3.9	0.0	0.0	0.4
ROG_RUNEX	0.043326311	g/mi	13.8	0.0	--	--
ROG_IDLEX	1.089961968	g/vehicle/day	8.7	0.0	--	--
ROG_DIURN	0	g/vehicle/day	0.0	0.0	--	--
NH3_RUNEX	0.14768967	g/mi	47.1	0.1	--	--
CO_RUNEX	0.163546303	g/mi	52.1	0.1	--	--
CO_IDLEX	11.8761149	g/vehicle/day	95.0	0.2	--	--
SOx_RUNEX	0.015098703	g/mi	4.8	0.0	--	--
SOx_IDLEX	0.029067833	g/vehicle/day	0.2	0.0	--	--

Emissions Summary - Criteria Air Pollutants (lbs/day)					
ROG	NOX	CO	SO2	PM10	PM2.5
0.0	4.5	0.3	0.0	0.1	0.1

Emissions Summary - Greenhouse Gases (Metric tons of Carbon Dioxide Equivalents/Year)			
CO2	CH4	N2O	Total
194.4	0.0	9.1	203.5

Gasoline Throughput and Fugitive VOC Emission Calculations

Table 1: Calculated Throughput

Daily Throughput (Gallons)	Annual Throughout (Gallons of Gasoline)
5,479	2,000,000

Source: CARB, 2005. Air Quality and Land Use Handbook: A Community Health Perspective. Sacramento, CA. April 2005. Pages 30 - 32.

Table 3: Gasoline VOC Emission Factors for Retail Service Processes
(Controlled Gasoline Emission Factors (pounds per 1,000 gallons of gasoline)

Process	Rate
Loading	0.15
Breathing	0.024
Refueling	0.32
Hose Permeation	0.009
Spillage	0.24

Source: SCAQMD, 2017. Risk Assessment Procedures for Rules 1401, 1401.1, and 212, Version 8.1. Diamond Bar, CA. September 2017. Appendix X, Table X-1, Page X-2. Available online at: <http://www.aqmd.gov/home/permits/risk-assessment>

Daily VOC Emissions (lbs)	**4.1**

APPENDIX B
AERMOD Dispersion Model Summary Files

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AERMOD Summary Files: Maximum Buildout Scenario Unmitigated Construction

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```
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes
\Indio_Oasis_Construction-With-North-Receptors\Indio_Oasis_C ***
11/22/23
 *** AERMET - VERSION  16216 ***   ***
***        18:00:50

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

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

 **Model Is Setup For Calculation of Average CONCentration
Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses URBAN Dispersion Algorithm for the SBL for   315
Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =   2418185.0 ;  Urban Roughness Length =
1.000 m

 **Model Uses Regulatory DEFAULT Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Urban Roughness Length of 1.0 Meter Assumed.

 **Other Options Specified:
        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:  PM_10

 **Model Calculates PERIOD Averages Only

 **This Run Includes:    315 Source(s);      35 Source Group(s);
and     283 Receptor(s)
```

```
                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:      0 VOLUME source(s)
                 and:    315 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with a total
of     0 line(s)


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

 **The AERMET Input Meteorological Data Version Date:  16216

 **Output Options Selected:
          Model Outputs Tables of PERIOD Averages by Receptor
          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)
=   -36.00 ;  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 =      6.2 MB of
RAM.

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

 **Detailed Error/Message File:
Indio_Oasis_MBS_UnmitigatedConstruction.err
 **File for Summary of Results:
Indio_Oasis_MBS_UnmitigatedConstruction.sum
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***

(1=YES; 0=NO)

```
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***

(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

Surface file: C:\Users\sjremote\Desktop\FORINDIO\KTRM_v9.SFC Met Version: 16216
Profile file: C:\Users\sjremote\Desktop\FORINDIO\KTRM_v9.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 3104 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2012 Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
12	01	01	1	01	-7.8	0.118	-9.000	-9.000	-999.	98.	19.4	0.08	1.91	1.00	1.59	77.	10.1	278.8	2.0
12	01	01	1	02	-15.8	0.171	-9.000	-9.000	-999.	169.	32.1	0.08	1.91	1.00	2.23	288.	10.1	277.5	2.0
12	01	01	1	03	-16.9	0.177	-9.000	-9.000	-999.	178.	34.3	0.08	1.91	1.00	2.30	325.	10.1	278.8	2.0
12	01	01	1	04	-3.0	0.076	-9.000	-9.000	-999.	56.	13.4	0.08	1.91	1.00	0.94	321.	10.1	275.4	2.0
12	01	01	1	05	-4.7	0.092	-9.000	-9.000	-999.	67.	15.0	0.08	1.91	1.00	1.23	342.	10.1	274.2	2.0
12	01	01	1	06	-10.7	0.139	-9.000	-9.000	-999.	124.	22.8	0.08	1.91	1.00	1.84	309.	10.1	274.9	2.0
12	01	01	1	07	-18.8	0.186	-9.000	-9.000	-999.	193.	38.2	0.08	1.91	1.00	2.42	338.	10.1	277.0	2.0
12	01	01	1	08	-11.5	0.179	-9.000	-9.000	-999.	182.	45.7	0.08	1.91	0.49	2.30	343.	10.1	282.5	2.0
12	01	01	1	09	44.9	0.190	0.372	0.007	42.	198.	-13.9	0.08	1.91	0.30	1.86	334.	10.1	288.8	2.0
12	01	01	1	10	109.3	0.237	0.720	0.006	125.	278.	-11.2	0.08	1.91	0.23	2.27	333.	10.1	293.8	2.0
12	01	01	1	11	153.1	0.246	1.122	0.005	338.	293.	-8.9	0.08	1.91	0.21	2.28	348.	10.1	297.0	2.0
12	01	01	1	12	173.2	0.204	1.424	0.005	612.	222.	-4.5								

```
0.08   1.91   0.20    1.72  322.   10.1  298.8    2.0
 12 01 01   1 13  169.9  0.156  1.670  0.005 1005.  148.     -2.0
0.08   1.91   0.20    1.14  351.   10.1  300.4    2.0
 12 01 01   1 14  142.4  0.144  1.714  0.005 1296.  131.     -1.9
0.08   1.91   0.22    1.04  329.   10.1  300.9    2.0
 12 01 01   1 15   92.8  0.142  1.542  0.005 1447.  129.     -2.8
0.08   1.91   0.25    1.11  316.   10.1  301.4    2.0
 12 01 01   1 16   24.5  0.122  0.995  0.005 1469.  102.     -6.8
0.08   1.91   0.35    1.09  301.   10.1  300.4    2.0
 12 01 01   1 17   -3.0  0.077 -9.000 -9.000 -999.   51.     13.7
0.08   1.91   0.65    0.99  209.   10.1  292.0    2.0
 12 01 01   1 18  -11.9  0.149 -9.000 -9.000 -999.  138.     25.2
0.08   1.91   1.00    1.96  149.   10.1  286.4    2.0
 12 01 01   1 19   -6.4  0.107 -9.000 -9.000 -999.   85.     17.7
0.08   1.91   1.00    1.45   31.   10.1  284.9    2.0
 12 01 01   1 20  -15.7  0.171 -9.000 -9.000 -999.  169.     32.1
0.08   1.91   1.00    2.23  327.   10.1  283.1    2.0
 12 01 01   1 21   -8.3  0.122 -9.000 -9.000 -999.  103.     20.2
0.08   1.91   1.00    1.64  347.   10.1  282.0    2.0
 12 01 01   1 22   -7.9  0.119 -9.000 -9.000 -999.   99.     19.6
0.08   1.91   1.00    1.60  316.   10.1  279.2    2.0
 12 01 01   1 23   -5.3  0.097 -9.000 -9.000 -999.   73.     15.9
0.08   1.91   1.00    1.31  325.   10.1  278.1    2.0
 12 01 01   1 24   -9.4  0.130 -9.000 -9.000 -999.  113.     21.5
0.08   1.91   1.00    1.74  304.   10.1  278.8    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW
sigmaV
 12 01 01 01   10.1 1   77.    1.59   278.8
99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
YR1ONALL	1ST HIGHEST VALUE IS	0.12137 AT (570205.94, 3733434.38, 3.77, 3.77, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.10613 AT (570783.72, 3733812.79, 2.63, 2.63, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.09767 AT (570833.72, 3733812.79, 2.48, 2.48, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.09747 AT (569968.32, 3733659.80, 5.02, 5.02, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.09402 AT (570733.72, 3733812.79, 2.80, 2.80, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.09337 AT (569875.98, 3733818.79, 5.76, 5.76, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.09318 AT (569925.98, 3733818.79, 5.55, 5.55, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.09292 AT (569825.98, 3733818.79, 5.99, 5.99, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.09269 AT (569825.98, 3733868.79, 5.98, 5.98, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.09267 AT (569775.98, 3733868.79, 6.20, 6.20, 0.00)	DC	
YR2ONALL	1ST HIGHEST VALUE IS	0.09184 AT (569718.32, 3733909.80, 6.37, 6.37, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.09137 AT (569725.98, 3733918.79, 6.32, 6.32, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.09126 AT (569775.98, 3733918.79, 6.13, 6.13, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.09116 AT (569675.98, 3733918.79, 6.52, 6.52, 0.00)	DC	

```
          5TH HIGHEST VALUE IS       0.09093 AT (  569825.98,
3733918.79,     5.96,     5.96,    0.00)  DC
          6TH HIGHEST VALUE IS       0.09064 AT (  569775.98,
3733868.79,     6.20,     6.20,    0.00)  DC
          7TH HIGHEST VALUE IS       0.09057 AT (  569625.98,
3733918.79,     6.76,     6.76,    0.00)  DC
          8TH HIGHEST VALUE IS       0.09052 AT (  569725.98,
3733868.79,     6.43,     6.43,    0.00)  DC
          9TH HIGHEST VALUE IS       0.09043 AT (  569825.98,
3733868.79,     5.98,     5.98,    0.00)  DC
         10TH HIGHEST VALUE IS       0.09033 AT (  569875.98,
3733918.79,     5.80,     5.80,    0.00)  DC

YR3ONALL  1ST HIGHEST VALUE IS       0.05694 AT (  570333.72,
3733912.79,     4.41,     4.41,    0.00)  DC
          2ND HIGHEST VALUE IS       0.05683 AT (  570383.72,
3733912.79,     4.28,     4.28,    0.00)  DC
          3RD HIGHEST VALUE IS       0.05677 AT (  570283.72,
3733912.79,     4.54,     4.54,    0.00)  DC
          4TH HIGHEST VALUE IS       0.05661 AT (  570433.72,
3733912.79,     4.14,     4.14,    0.00)  DC
          5TH HIGHEST VALUE IS       0.05635 AT (  570483.72,
3733912.79,     4.00,     4.00,    0.00)  DC
          6TH HIGHEST VALUE IS       0.05619 AT (  570468.32,
3733909.80,     4.03,     4.03,    0.00)  DC
          7TH HIGHEST VALUE IS       0.05609 AT (  570533.72,
3733912.79,     3.88,     3.88,    0.00)  DC
          8TH HIGHEST VALUE IS       0.05603 AT (  570233.72,
3733912.79,     4.67,     4.67,    0.00)  DC
          9TH HIGHEST VALUE IS       0.05579 AT (  570333.72,
3733962.79,     4.54,     4.54,    0.00)  DC
         10TH HIGHEST VALUE IS       0.05576 AT (  570283.72,
3733962.79,     4.66,     4.66,    0.00)  DC

Y1OFFALL  1ST HIGHEST VALUE IS       0.00167 AT (  569798.77,
3733453.54,     5.25,     5.25,    0.00)  DC
          2ND HIGHEST VALUE IS       0.00166 AT (  569635.26,
3733489.98,     6.29,     6.29,    0.00)  DC
          3RD HIGHEST VALUE IS       0.00158 AT (  570003.76,
3733432.37,     3.91,     3.91,    0.00)  DC
          4TH HIGHEST VALUE IS       0.00149 AT (  570205.94,
3733434.38,     3.77,     3.77,    0.00)  DC
          5TH HIGHEST VALUE IS       0.00143 AT (  570390.58,
3733461.97,     2.49,     2.49,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00141 AT (  570602.35,
3733512.22,     1.80,     1.80,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00139 AT (  570928.50,
3733665.75,     1.41,     1.41,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00135 AT (  570933.72,
3733812.79,     2.21,     2.21,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00126 AT (  570727.67,
3733549.01,     1.31,     1.31,    0.00)  DC
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         10TH HIGHEST VALUE IS       0.00106 AT (  570802.77,
3733582.40,     1.10,     1.10,    0.00)  DC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
Y2OFFALL	1ST HIGHEST VALUE IS	0.00236 AT (569635.26, 3733489.98, 6.29, 6.29, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00235 AT (569798.77, 3733453.54, 5.25, 5.25, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00223 AT (570003.76, 3733432.37, 3.91, 3.91, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00208 AT (570205.94, 3733434.38, 3.77, 3.77, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00200 AT (570390.58, 3733461.97, 2.49, 2.49, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00197 AT (570602.35, 3733512.22, 1.80, 1.80, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00196 AT (570928.50, 3733665.75, 1.41, 1.41, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00190 AT (570933.72, 3733812.79, 2.21, 2.21, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00175 AT (570727.67, 3733549.01, 1.31, 1.31, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00159 AT (569968.32, 3733409.80, 3.96, 3.96, 0.00)	DC	
Y3OFFALL	1ST HIGHEST VALUE IS	0.00090 AT (569635.26, 3733489.98, 6.29, 6.29, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00090 AT (569798.77, 3733453.54, 5.25, 5.25, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00085 AT (570003.76, 3733432.37, 3.91, 3.91, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00080 AT (570205.94, 3733434.38, 3.77, 3.77, 0.00)	DC	

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          5TH HIGHEST VALUE IS       0.00077 AT (  570390.58,
3733461.97,     2.49,     2.49,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00075 AT (  570602.35,
3733512.22,     1.80,     1.80,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00075 AT (  570928.50,
3733665.75,     1.41,     1.41,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00073 AT (  570933.72,
3733812.79,     2.21,     2.21,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00067 AT (  570727.67,
3733549.01,     1.31,     1.31,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00061 AT (  569968.32,
3733409.80,     3.96,     3.96,    0.00)  DC

Y4OFFALL  1ST HIGHEST VALUE IS       0.00022 AT (  569635.26,
3733489.98,     6.29,     6.29,    0.00)  DC
          2ND HIGHEST VALUE IS       0.00022 AT (  569798.77,
3733453.54,     5.25,     5.25,    0.00)  DC
          3RD HIGHEST VALUE IS       0.00021 AT (  570003.76,
3733432.37,     3.91,     3.91,    0.00)  DC
          4TH HIGHEST VALUE IS       0.00019 AT (  570205.94,
3733434.38,     3.77,     3.77,    0.00)  DC
          5TH HIGHEST VALUE IS       0.00019 AT (  570390.58,
3733461.97,     2.49,     2.49,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00018 AT (  570602.35,
3733512.22,     1.80,     1.80,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00018 AT (  570928.50,
3733665.75,     1.41,     1.41,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00018 AT (  570933.72,
3733812.79,     2.21,     2.21,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00016 AT (  570727.67,
3733549.01,     1.31,     1.31,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00015 AT (  569968.32,
3733409.80,     3.96,     3.96,    0.00)  DC

Y1SWIALL  1ST HIGHEST VALUE IS       0.06434 AT (  569718.32,
3733659.80,     6.43,     6.43,    0.00)  DC
          2ND HIGHEST VALUE IS       0.06107 AT (  569968.32,
3733659.80,     5.02,     5.02,    0.00)  DC
          3RD HIGHEST VALUE IS       0.04135 AT (  569725.98,
3733818.79,     6.45,     6.45,    0.00)  DC
          4TH HIGHEST VALUE IS       0.04134 AT (  569775.98,
3733818.79,     6.22,     6.22,    0.00)  DC
          5TH HIGHEST VALUE IS       0.04099 AT (  569825.98,
3733818.79,     5.99,     5.99,    0.00)  DC
          6TH HIGHEST VALUE IS       0.04091 AT (  569675.98,
3733818.79,     6.69,     6.69,    0.00)  DC
          7TH HIGHEST VALUE IS       0.04034 AT (  569525.98,
3733818.79,     7.14,     7.14,    0.00)  DC
          8TH HIGHEST VALUE IS       0.04013 AT (  569625.98,
3733818.79,     6.97,     6.97,    0.00)  DC
          9TH HIGHEST VALUE IS       0.04001 AT (  569875.98,
3733818.79,     5.76,     5.76,    0.00)  DC
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         10TH HIGHEST VALUE IS       0.03955 AT (  569575.98,
3733818.79,     7.12,     7.12,    0.00)  DC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
Y2SWIALL	1ST HIGHEST VALUE IS	0.06249 AT (569968.32, 3733659.80, 5.02, 5.02, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.04317 AT (569718.32, 3733659.80, 6.43, 6.43, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.03838 AT (569875.98, 3733818.79, 5.76, 5.76, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.03753 AT (569825.98, 3733818.79, 5.99, 5.99, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.03746 AT (569925.98, 3733818.79, 5.55, 5.55, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.03517 AT (569975.98, 3733818.79, 5.35, 5.35, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.03267 AT (570003.76, 3733432.37, 3.91, 3.91, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.03084 AT (570025.98, 3733818.79, 5.16, 5.16, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.03031 AT (569798.77, 3733453.54, 5.25, 5.25, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.02939 AT (569775.98, 3733818.79, 6.22, 6.22, 0.00)	DC	
Y1SEIALL	1ST HIGHEST VALUE IS	0.06354 AT (570468.32, 3733659.80, 3.13, 3.13, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.06027 AT (570218.32, 3733659.80, 4.13, 4.13, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.04333 AT (570233.72, 3733812.79, 4.44, 4.44, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.04321 AT (570283.72, 3733812.79, 4.31, 4.31, 0.00)	DC	

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          5TH HIGHEST VALUE IS       0.04258 AT (  570333.72,
3733812.79,     4.15,     4.15,    0.00)  DC
          6TH HIGHEST VALUE IS       0.04249 AT (  570183.72,
3733812.79,     4.58,     4.58,    0.00)  DC
          7TH HIGHEST VALUE IS       0.04243 AT (  570383.72,
3733812.79,     4.02,     4.02,    0.00)  DC
          8TH HIGHEST VALUE IS       0.04171 AT (  570433.72,
3733812.79,     3.88,     3.88,    0.00)  DC
          9TH HIGHEST VALUE IS       0.04063 AT (  570483.72,
3733812.79,     3.74,     3.74,    0.00)  DC
         10TH HIGHEST VALUE IS       0.03928 AT (  570133.72,
3733812.79,     4.74,     4.74,    0.00)  DC

Y2SEIALL  1ST HIGHEST VALUE IS       0.06682 AT (  570468.32,
3733659.80,     3.13,     3.13,    0.00)  DC
          2ND HIGHEST VALUE IS       0.06256 AT (  570218.32,
3733659.80,     4.13,     4.13,    0.00)  DC
          3RD HIGHEST VALUE IS       0.04353 AT (  570233.72,
3733812.79,     4.44,     4.44,    0.00)  DC
          4TH HIGHEST VALUE IS       0.04345 AT (  570283.72,
3733812.79,     4.31,     4.31,    0.00)  DC
          5TH HIGHEST VALUE IS       0.04287 AT (  570333.72,
3733812.79,     4.15,     4.15,    0.00)  DC
          6TH HIGHEST VALUE IS       0.04274 AT (  570383.72,
3733812.79,     4.02,     4.02,    0.00)  DC
          7TH HIGHEST VALUE IS       0.04258 AT (  570183.72,
3733812.79,     4.58,     4.58,    0.00)  DC
          8TH HIGHEST VALUE IS       0.04246 AT (  570718.32,
3733659.80,     2.01,     2.01,    0.00)  DC
          9TH HIGHEST VALUE IS       0.04204 AT (  570433.72,
3733812.79,     3.88,     3.88,    0.00)  DC
         10TH HIGHEST VALUE IS       0.04095 AT (  570483.72,
3733812.79,     3.74,     3.74,    0.00)  DC

Y1NWRALL  1ST HIGHEST VALUE IS       0.06123 AT (  569625.98,
3733918.79,     6.76,     6.76,    0.00)  DC
          2ND HIGHEST VALUE IS       0.06115 AT (  569675.98,
3733918.79,     6.52,     6.52,    0.00)  DC
          3RD HIGHEST VALUE IS       0.06086 AT (  569725.98,
3733918.79,     6.32,     6.32,    0.00)  DC
          4TH HIGHEST VALUE IS       0.06041 AT (  569775.98,
3733918.79,     6.13,     6.13,    0.00)  DC
          5TH HIGHEST VALUE IS       0.06022 AT (  569718.32,
3733909.80,     6.37,     6.37,    0.00)  DC
          6TH HIGHEST VALUE IS       0.06021 AT (  569575.98,
3733918.79,     6.96,     6.96,    0.00)  DC
          7TH HIGHEST VALUE IS       0.05987 AT (  569825.98,
3733918.79,     5.96,     5.96,    0.00)  DC
          8TH HIGHEST VALUE IS       0.05918 AT (  569875.98,
3733918.79,     5.80,     5.80,    0.00)  DC
          9TH HIGHEST VALUE IS       0.05901 AT (  569625.98,
3733968.79,     6.64,     6.64,    0.00)  DC
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         10TH HIGHEST VALUE IS       0.05887 AT (  569675.98,
3733968.79,     6.44,     6.44,    0.00)  DC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
Y2NWRALL	1ST HIGHEST VALUE IS	0.06933 AT (	569625.98, 3733918.79, 6.76, 6.76, 0.00)	DC
	2ND HIGHEST VALUE IS	0.06933 AT (	569675.98, 3733918.79, 6.52, 6.52, 0.00)	DC
	3RD HIGHEST VALUE IS	0.06907 AT (	569725.98, 3733918.79, 6.32, 6.32, 0.00)	DC
	4TH HIGHEST VALUE IS	0.06862 AT (	569775.98, 3733918.79, 6.13, 6.13, 0.00)	DC
	5TH HIGHEST VALUE IS	0.06857 AT (	569718.32, 3733909.80, 6.37, 6.37, 0.00)	DC
	6TH HIGHEST VALUE IS	0.06806 AT (	569825.98, 3733918.79, 5.96, 5.96, 0.00)	DC
	7TH HIGHEST VALUE IS	0.06797 AT (	569575.98, 3733918.79, 6.96, 6.96, 0.00)	DC
	8TH HIGHEST VALUE IS	0.06733 AT (	569875.98, 3733918.79, 5.80, 5.80, 0.00)	DC
	9TH HIGHEST VALUE IS	0.06633 AT (	569925.98, 3733918.79, 5.66, 5.66, 0.00)	DC
	10TH HIGHEST VALUE IS	0.06548 AT (	569625.98, 3733968.79, 6.64, 6.64, 0.00)	DC
Y3NWRALL	1ST HIGHEST VALUE IS	0.02875 AT (	569625.98, 3733918.79, 6.76, 6.76, 0.00)	DC
	2ND HIGHEST VALUE IS	0.02875 AT (	569675.98, 3733918.79, 6.52, 6.52, 0.00)	DC
	3RD HIGHEST VALUE IS	0.02864 AT (	569725.98, 3733918.79, 6.32, 6.32, 0.00)	DC
	4TH HIGHEST VALUE IS	0.02845 AT (	569775.98, 3733918.79, 6.13, 6.13, 0.00)	DC

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          5TH HIGHEST VALUE IS       0.02843 AT (  569718.32,
3733909.80,     6.37,     6.37,    0.00)  DC
          6TH HIGHEST VALUE IS       0.02822 AT (  569825.98,
3733918.79,     5.96,     5.96,    0.00)  DC
          7TH HIGHEST VALUE IS       0.02818 AT (  569575.98,
3733918.79,     6.96,     6.96,    0.00)  DC
          8TH HIGHEST VALUE IS       0.02792 AT (  569875.98,
3733918.79,     5.80,     5.80,    0.00)  DC
          9TH HIGHEST VALUE IS       0.02750 AT (  569925.98,
3733918.79,     5.66,     5.66,    0.00)  DC
         10TH HIGHEST VALUE IS       0.02715 AT (  569625.98,
3733968.79,     6.64,     6.64,    0.00)  DC

Y1NERALL  1ST HIGHEST VALUE IS       0.02201 AT (  570333.72,
3733962.79,     4.54,     4.54,    0.00)  DC
          2ND HIGHEST VALUE IS       0.02201 AT (  570383.72,
3733912.79,     4.28,     4.28,    0.00)  DC
          3RD HIGHEST VALUE IS       0.02201 AT (  570383.72,
3733962.79,     4.41,     4.41,    0.00)  DC
          4TH HIGHEST VALUE IS       0.02199 AT (  570433.72,
3733912.79,     4.14,     4.14,    0.00)  DC
          5TH HIGHEST VALUE IS       0.02195 AT (  570333.72,
3733912.79,     4.41,     4.41,    0.00)  DC
          6TH HIGHEST VALUE IS       0.02194 AT (  570433.72,
3733962.79,     4.27,     4.27,    0.00)  DC
          7TH HIGHEST VALUE IS       0.02193 AT (  570483.72,
3733912.79,     4.00,     4.00,    0.00)  DC
          8TH HIGHEST VALUE IS       0.02187 AT (  570483.72,
3733962.79,     4.16,     4.16,    0.00)  DC
          9TH HIGHEST VALUE IS       0.02187 AT (  570533.72,
3733912.79,     3.88,     3.88,    0.00)  DC
         10TH HIGHEST VALUE IS       0.02186 AT (  570283.72,
3733962.79,     4.66,     4.66,    0.00)  DC

Y2NERALL  1ST HIGHEST VALUE IS       0.06054 AT (  570383.72,
3733912.79,     4.28,     4.28,    0.00)  DC
          2ND HIGHEST VALUE IS       0.06053 AT (  570433.72,
3733912.79,     4.14,     4.14,    0.00)  DC
          3RD HIGHEST VALUE IS       0.06042 AT (  570483.72,
3733912.79,     4.00,     4.00,    0.00)  DC
          4TH HIGHEST VALUE IS       0.06029 AT (  570333.72,
3733912.79,     4.41,     4.41,    0.00)  DC
          5TH HIGHEST VALUE IS       0.06027 AT (  570533.72,
3733912.79,     3.88,     3.88,    0.00)  DC
          6TH HIGHEST VALUE IS       0.06020 AT (  570468.32,
3733909.80,     4.03,     4.03,    0.00)  DC
          7TH HIGHEST VALUE IS       0.05993 AT (  570583.72,
3733912.79,     3.72,     3.72,    0.00)  DC
          8TH HIGHEST VALUE IS       0.05951 AT (  570283.72,
3733912.79,     4.54,     4.54,    0.00)  DC
          9TH HIGHEST VALUE IS       0.05943 AT (  570633.72,
3733912.79,     3.54,     3.54,    0.00)  DC
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         10TH HIGHEST VALUE IS       0.05933 AT (  570383.72,
3733962.79,     4.41,     4.41,    0.00)  DC
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*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
Y3NERALL	1ST HIGHEST VALUE IS	0.05576 AT (570383.72, 3733912.79, 4.28, 4.28, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.05575 AT (570433.72, 3733912.79, 4.14, 4.14, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.05565 AT (570483.72, 3733912.79, 4.00, 4.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.05553 AT (570333.72, 3733912.79, 4.41, 4.41, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.05551 AT (570533.72, 3733912.79, 3.88, 3.88, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.05545 AT (570468.32, 3733909.80, 4.03, 4.03, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.05519 AT (570583.72, 3733912.79, 3.72, 3.72, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.05480 AT (570283.72, 3733912.79, 4.54, 4.54, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.05474 AT (570633.72, 3733912.79, 3.54, 3.54, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.05465 AT (570383.72, 3733962.79, 4.41, 4.41, 0.00)	DC	
Y1SERALL	1ST HIGHEST VALUE IS	0.09549 AT (570783.72, 3733812.79, 2.63, 2.63, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.08748 AT (570833.72, 3733812.79, 2.48, 2.48, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.08306 AT (570733.72, 3733812.79, 2.80, 2.80, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.06263 AT (570883.72, 3733812.79, 2.34, 2.34, 0.00)	DC	

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          5TH HIGHEST VALUE IS       0.06047 AT (  570928.50,
3733665.75,     1.41,     1.41,    0.00)  DC
          6TH HIGHEST VALUE IS       0.05070 AT (  570802.77,
3733582.40,     1.10,     1.10,    0.00)  DC
          7TH HIGHEST VALUE IS       0.05016 AT (  570718.32,
3733659.80,     2.01,     2.01,    0.00)  DC
          8TH HIGHEST VALUE IS       0.04698 AT (  570783.72,
3733862.79,     2.83,     2.83,    0.00)  DC
          9TH HIGHEST VALUE IS       0.04636 AT (  570733.72,
3733862.79,     3.03,     3.03,    0.00)  DC
         10TH HIGHEST VALUE IS       0.04096 AT (  570683.72,
3733812.79,     2.96,     2.96,    0.00)  DC

Y2SERALL  1ST HIGHEST VALUE IS       0.04398 AT (  570783.72,
3733812.79,     2.63,     2.63,    0.00)  DC
          2ND HIGHEST VALUE IS       0.04039 AT (  570833.72,
3733812.79,     2.48,     2.48,    0.00)  DC
          3RD HIGHEST VALUE IS       0.03820 AT (  570733.72,
3733812.79,     2.80,     2.80,    0.00)  DC
          4TH HIGHEST VALUE IS       0.03223 AT (  570928.50,
3733665.75,     1.41,     1.41,    0.00)  DC
          5TH HIGHEST VALUE IS       0.02905 AT (  570883.72,
3733812.79,     2.34,     2.34,    0.00)  DC
          6TH HIGHEST VALUE IS       0.02696 AT (  570802.77,
3733582.40,     1.10,     1.10,    0.00)  DC
          7TH HIGHEST VALUE IS       0.02288 AT (  570718.32,
3733659.80,     2.01,     2.01,    0.00)  DC
          8TH HIGHEST VALUE IS       0.02227 AT (  570783.72,
3733862.79,     2.83,     2.83,    0.00)  DC
          9TH HIGHEST VALUE IS       0.02192 AT (  570733.72,
3733862.79,     3.03,     3.03,    0.00)  DC
         10TH HIGHEST VALUE IS       0.01897 AT (  570683.72,
3733812.79,     2.96,     2.96,    0.00)  DC

Y1ALL     1ST HIGHEST VALUE IS       0.20336 AT (  570783.72,
3733812.79,     2.63,     2.63,    0.00)  DC
          2ND HIGHEST VALUE IS       0.19808 AT (  570733.72,
3733812.79,     2.80,     2.80,    0.00)  DC
          3RD HIGHEST VALUE IS       0.19021 AT (  570833.72,
3733812.79,     2.48,     2.48,    0.00)  DC
          4TH HIGHEST VALUE IS       0.18418 AT (  570733.72,
3733862.79,     3.03,     3.03,    0.00)  DC
          5TH HIGHEST VALUE IS       0.17997 AT (  570783.72,
3733862.79,     2.83,     2.83,    0.00)  DC
          6TH HIGHEST VALUE IS       0.17838 AT (  570683.72,
3733862.79,     3.18,     3.18,    0.00)  DC
          7TH HIGHEST VALUE IS       0.17517 AT (  570683.72,
3733912.79,     3.39,     3.39,    0.00)  DC
          8TH HIGHEST VALUE IS       0.17515 AT (  570718.32,
3733909.80,     3.28,     3.28,    0.00)  DC
          9TH HIGHEST VALUE IS       0.17481 AT (  570283.72,
3733912.79,     4.54,     4.54,    0.00)  DC
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         10TH HIGHEST VALUE IS       0.17466 AT (  570333.72,
3733912.79,     4.41,     4.41,    0.00)  DC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
Y1WO-NWR	1ST HIGHEST VALUE IS	0.15138 AT (570783.72, 3733812.79, 2.63, 2.63, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.14546 AT (570733.72, 3733812.79, 2.80, 2.80, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.14310 AT (570205.94, 3733434.38, 3.77, 3.77, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.13920 AT (570833.72, 3733812.79, 2.48, 2.48, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.12741 AT (570718.32, 3733659.80, 2.01, 2.01, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.12619 AT (569968.32, 3733659.80, 5.02, 5.02, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.11889 AT (570683.72, 3733812.79, 2.96, 2.96, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.11436 AT (570218.32, 3733659.80, 4.13, 4.13, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.10962 AT (570733.72, 3733862.79, 3.03, 3.03, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.10894 AT (570468.32, 3733659.80, 3.13, 3.13, 0.00)	DC	
Y2ALL	1ST HIGHEST VALUE IS	0.09279 AT (569718.32, 3733909.80, 6.37, 6.37, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.09244 AT (569775.98, 3733918.79, 6.13, 6.13, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.09237 AT (569725.98, 3733918.79, 6.32, 6.32, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.09235 AT (569825.98, 3733918.79, 5.96, 5.96, 0.00)	DC	

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          5TH HIGHEST VALUE IS       0.09215 AT (  569875.98,
3733918.79,     5.80,     5.80,    0.00)  DC
          6TH HIGHEST VALUE IS       0.09202 AT (  569675.98,
3733918.79,     6.52,     6.52,    0.00)  DC
          7TH HIGHEST VALUE IS       0.09191 AT (  569968.32,
3733909.80,     5.52,     5.52,    0.00)  DC
          8TH HIGHEST VALUE IS       0.09184 AT (  569925.98,
3733918.79,     5.66,     5.66,    0.00)  DC
          9TH HIGHEST VALUE IS       0.09163 AT (  569775.98,
3733868.79,     6.20,     6.20,    0.00)  DC
         10TH HIGHEST VALUE IS       0.09159 AT (  569825.98,
3733868.79,     5.98,     5.98,    0.00)  DC

Y2WO_NWR  1ST HIGHEST VALUE IS       0.08519 AT (  570733.72,
3733812.79,     2.80,     2.80,    0.00)  DC
          2ND HIGHEST VALUE IS       0.08500 AT (  570783.72,
3733812.79,     2.63,     2.63,    0.00)  DC
          3RD HIGHEST VALUE IS       0.08185 AT (  570333.72,
3733912.79,     4.41,     4.41,    0.00)  DC
          4TH HIGHEST VALUE IS       0.08168 AT (  570383.72,
3733912.79,     4.28,     4.28,    0.00)  DC
          5TH HIGHEST VALUE IS       0.08146 AT (  570283.72,
3733912.79,     4.54,     4.54,    0.00)  DC
          6TH HIGHEST VALUE IS       0.08125 AT (  570433.72,
3733912.79,     4.14,     4.14,    0.00)  DC
          7TH HIGHEST VALUE IS       0.08100 AT (  570468.32,
3733909.80,     4.03,     4.03,    0.00)  DC
          8TH HIGHEST VALUE IS       0.08075 AT (  570483.72,
3733912.79,     4.00,     4.00,    0.00)  DC
          9TH HIGHEST VALUE IS       0.08042 AT (  570683.72,
3733812.79,     2.96,     2.96,    0.00)  DC
         10TH HIGHEST VALUE IS       0.08028 AT (  570383.72,
3733812.79,     4.02,     4.02,    0.00)  DC

Y3WO_NWR  1ST HIGHEST VALUE IS       0.05579 AT (  570383.72,
3733912.79,     4.28,     4.28,    0.00)  DC
          2ND HIGHEST VALUE IS       0.05579 AT (  570433.72,
3733912.79,     4.14,     4.14,    0.00)  DC
          3RD HIGHEST VALUE IS       0.05568 AT (  570483.72,
3733912.79,     4.00,     4.00,    0.00)  DC
          4TH HIGHEST VALUE IS       0.05557 AT (  570333.72,
3733912.79,     4.41,     4.41,    0.00)  DC
          5TH HIGHEST VALUE IS       0.05554 AT (  570533.72,
3733912.79,     3.88,     3.88,    0.00)  DC
          6TH HIGHEST VALUE IS       0.05548 AT (  570468.32,
3733909.80,     4.03,     4.03,    0.00)  DC
          7TH HIGHEST VALUE IS       0.05522 AT (  570583.72,
3733912.79,     3.72,     3.72,    0.00)  DC
          8TH HIGHEST VALUE IS       0.05484 AT (  570283.72,
3733912.79,     4.54,     4.54,    0.00)  DC
          9TH HIGHEST VALUE IS       0.05476 AT (  570633.72,
3733912.79,     3.54,     3.54,    0.00)  DC
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         10TH HIGHEST VALUE IS       0.05467 AT (  570383.72,
3733962.79,     4.41,     4.41,    0.00)  DC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
Y3ALL	1ST HIGHEST VALUE IS	0.05700 AT (570333.72, 3733912.79, 4.41, 4.41, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.05689 AT (570383.72, 3733912.79, 4.28, 4.28, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.05683 AT (570283.72, 3733912.79, 4.54, 4.54, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.05666 AT (570433.72, 3733912.79, 4.14, 4.14, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.05641 AT (570483.72, 3733912.79, 4.00, 4.00, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.05625 AT (570468.32, 3733909.80, 4.03, 4.03, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.05615 AT (570533.72, 3733912.79, 3.88, 3.88, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.05608 AT (570233.72, 3733912.79, 4.67, 4.67, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.05584 AT (570333.72, 3733962.79, 4.54, 4.54, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.05580 AT (570283.72, 3733962.79, 4.66, 4.66, 0.00)	DC	
Y4ALL	1ST HIGHEST VALUE IS	0.02985 AT (570383.72, 3733912.79, 4.28, 4.28, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.02984 AT (570433.72, 3733912.79, 4.14, 4.14, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.02979 AT (570483.72, 3733912.79, 4.00, 4.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.02973 AT (570333.72, 3733912.79, 4.41, 4.41, 0.00)	DC	

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          5TH HIGHEST VALUE IS       0.02971 AT (  570533.72,
3733912.79,     3.88,     3.88,    0.00)  DC
          6TH HIGHEST VALUE IS       0.02968 AT (  570468.32,
3733909.80,     4.03,     4.03,    0.00)  DC
          7TH HIGHEST VALUE IS       0.02954 AT (  570583.72,
3733912.79,     3.72,     3.72,    0.00)  DC
          8TH HIGHEST VALUE IS       0.02934 AT (  570283.72,
3733912.79,     4.54,     4.54,    0.00)  DC
          9TH HIGHEST VALUE IS       0.02930 AT (  570633.72,
3733912.79,     3.54,     3.54,    0.00)  DC
         10TH HIGHEST VALUE IS       0.02925 AT (  570383.72,
3733962.79,     4.41,     4.41,    0.00)  DC

Y1SBSTAL  1ST HIGHEST VALUE IS       0.09537 AT (  570205.94,
3733434.38,     3.77,     3.77,    0.00)  DC
          2ND HIGHEST VALUE IS       0.06489 AT (  570218.32,
3733409.80,     3.64,     3.64,    0.00)  DC
          3RD HIGHEST VALUE IS       0.02001 AT (  569968.32,
3733659.80,     5.02,     5.02,    0.00)  DC
          4TH HIGHEST VALUE IS       0.01173 AT (  570003.76,
3733432.37,     3.91,     3.91,    0.00)  DC
          5TH HIGHEST VALUE IS       0.00702 AT (  569925.98,
3733818.79,     5.55,     5.55,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00675 AT (  569875.98,
3733818.79,     5.76,     5.76,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00667 AT (  569975.98,
3733818.79,     5.35,     5.35,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00602 AT (  569825.98,
3733818.79,     5.99,     5.99,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00578 AT (  570025.98,
3733818.79,     5.16,     5.16,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00540 AT (  569875.98,
3733868.79,     5.79,     5.79,    0.00)  DC

Y1STAALL  1ST HIGHEST VALUE IS       0.00991 AT (  569675.98,
3733818.79,     6.69,     6.69,    0.00)  DC
          2ND HIGHEST VALUE IS       0.00991 AT (  569625.98,
3733818.79,     6.97,     6.97,    0.00)  DC
          3RD HIGHEST VALUE IS       0.00979 AT (  569725.98,
3733818.79,     6.45,     6.45,    0.00)  DC
          4TH HIGHEST VALUE IS       0.00961 AT (  569775.98,
3733818.79,     6.22,     6.22,    0.00)  DC
          5TH HIGHEST VALUE IS       0.00941 AT (  569825.98,
3733818.79,     5.99,     5.99,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00930 AT (  570533.72,
3733862.79,     3.72,     3.72,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00930 AT (  570583.72,
3733862.79,     3.50,     3.50,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00928 AT (  570483.72,
3733862.79,     3.87,     3.87,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00927 AT (  570633.72,
3733862.79,     3.34,     3.34,    0.00)  DC
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         10TH HIGHEST VALUE IS       0.00926 AT (  570683.72,
3733862.79,     3.18,     3.18,    0.00)  DC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
Y1WO_NER	1ST HIGHEST VALUE IS	0.14560 AT (570205.94, 3733434.38, 3.77, 3.77, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.14066 AT (570783.72, 3733812.79, 2.63, 2.63, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.13469 AT (570733.72, 3733812.79, 2.80, 2.80, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.13432 AT (569968.32, 3733659.80, 5.02, 5.02, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.12926 AT (569925.98, 3733818.79, 5.55, 5.55, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.12913 AT (569875.98, 3733818.79, 5.76, 5.76, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.12865 AT (570833.72, 3733812.79, 2.48, 2.48, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.12856 AT (569975.98, 3733818.79, 5.35, 5.35, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.12837 AT (569825.98, 3733818.79, 5.99, 5.99, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.12729 AT (569825.98, 3733868.79, 5.98, 5.98, 0.00)	DC	
Y2WO_NER	1ST HIGHEST VALUE IS	0.09193 AT (569718.32, 3733909.80, 6.37, 6.37, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.09146 AT (569725.98, 3733918.79, 6.32, 6.32, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.09135 AT (569775.98, 3733918.79, 6.13, 6.13, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.09125 AT (569675.98, 3733918.79, 6.52, 6.52, 0.00)	DC	

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          5TH HIGHEST VALUE IS       0.09101 AT (  569825.98,
3733918.79,     5.96,     5.96,    0.00)  DC
          6TH HIGHEST VALUE IS       0.09074 AT (  569775.98,
3733868.79,     6.20,     6.20,    0.00)  DC
          7TH HIGHEST VALUE IS       0.09066 AT (  569625.98,
3733918.79,     6.76,     6.76,    0.00)  DC
          8TH HIGHEST VALUE IS       0.09062 AT (  569725.98,
3733868.79,     6.43,     6.43,    0.00)  DC
          9TH HIGHEST VALUE IS       0.09053 AT (  569825.98,
3733868.79,     5.98,     5.98,    0.00)  DC
         10TH HIGHEST VALUE IS       0.09042 AT (  569875.98,
3733918.79,     5.80,     5.80,    0.00)  DC

Y3WO_NER  1ST HIGHEST VALUE IS       0.02879 AT (  569675.98,
3733918.79,     6.52,     6.52,    0.00)  DC
          2ND HIGHEST VALUE IS       0.02879 AT (  569625.98,
3733918.79,     6.76,     6.76,    0.00)  DC
          3RD HIGHEST VALUE IS       0.02868 AT (  569725.98,
3733918.79,     6.32,     6.32,    0.00)  DC
          4TH HIGHEST VALUE IS       0.02849 AT (  569775.98,
3733918.79,     6.13,     6.13,    0.00)  DC
          5TH HIGHEST VALUE IS       0.02847 AT (  569718.32,
3733909.80,     6.37,     6.37,    0.00)  DC
          6TH HIGHEST VALUE IS       0.02826 AT (  569825.98,
3733918.79,     5.96,     5.96,    0.00)  DC
          7TH HIGHEST VALUE IS       0.02822 AT (  569575.98,
3733918.79,     6.96,     6.96,    0.00)  DC
          8TH HIGHEST VALUE IS       0.02796 AT (  569875.98,
3733918.79,     5.80,     5.80,    0.00)  DC
          9TH HIGHEST VALUE IS       0.02754 AT (  569925.98,
3733918.79,     5.66,     5.66,    0.00)  DC
         10TH HIGHEST VALUE IS       0.02718 AT (  569625.98,
3733968.79,     6.64,     6.64,    0.00)  DC

Y1GRADIN  1ST HIGHEST VALUE IS       0.03603 AT (  570218.32,
3733659.80,     4.13,     4.13,    0.00)  DC
          2ND HIGHEST VALUE IS       0.03584 AT (  569968.32,
3733659.80,     5.02,     5.02,    0.00)  DC
          3RD HIGHEST VALUE IS       0.03563 AT (  570183.72,
3733812.79,     4.58,     4.58,    0.00)  DC
          4TH HIGHEST VALUE IS       0.03554 AT (  570233.72,
3733812.79,     4.44,     4.44,    0.00)  DC
          5TH HIGHEST VALUE IS       0.03534 AT (  570133.72,
3733812.79,     4.74,     4.74,    0.00)  DC
          6TH HIGHEST VALUE IS       0.03533 AT (  570283.72,
3733812.79,     4.31,     4.31,    0.00)  DC
          7TH HIGHEST VALUE IS       0.03509 AT (  570333.72,
3733812.79,     4.15,     4.15,    0.00)  DC
          8TH HIGHEST VALUE IS       0.03507 AT (  570125.98,
3733818.79,     4.78,     4.78,    0.00)  DC
          9TH HIGHEST VALUE IS       0.03481 AT (  570383.72,
3733812.79,     4.02,     4.02,    0.00)  DC
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         10TH HIGHEST VALUE IS       0.03471 AT (  569975.98,
3733818.79,     5.35,     5.35,    0.00)  DC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
Y4ONALL	1ST HIGHEST VALUE IS	0.02983 AT (570383.72, 3733912.79, 4.28, 4.28, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.02983 AT (570433.72, 3733912.79, 4.14, 4.14, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.02978 AT (570483.72, 3733912.79, 4.00, 4.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.02971 AT (570333.72, 3733912.79, 4.41, 4.41, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.02970 AT (570533.72, 3733912.79, 3.88, 3.88, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.02967 AT (570468.32, 3733909.80, 4.03, 4.03, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.02953 AT (570583.72, 3733912.79, 3.72, 3.72, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.02933 AT (570283.72, 3733912.79, 4.54, 4.54, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.02928 AT (570633.72, 3733912.79, 3.54, 3.54, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.02924 AT (570383.72, 3733962.79, 4.41, 4.41, 0.00)	DC	
YR3SEI	1ST HIGHEST VALUE IS	0.00013 AT (570468.32, 3733659.80, 3.13, 3.13, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00012 AT (570218.32, 3733659.80, 4.13, 4.13, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00008 AT (570233.72, 3733812.79, 4.44, 4.44, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00008 AT (570283.72, 3733812.79, 4.31, 4.31, 0.00)	DC	

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          5TH HIGHEST VALUE IS       0.00008 AT (  570333.72,
3733812.79,     4.15,     4.15,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00008 AT (  570383.72,
3733812.79,     4.02,     4.02,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00008 AT (  570183.72,
3733812.79,     4.58,     4.58,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00008 AT (  570718.32,
3733659.80,     2.01,     2.01,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00008 AT (  570433.72,
3733812.79,     3.88,     3.88,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00008 AT (  570483.72,
3733812.79,     3.74,     3.74,    0.00)  DC

YR3SWI    1ST HIGHEST VALUE IS       0.00013 AT (  569718.32,
3733659.80,     6.43,     6.43,    0.00)  DC
          2ND HIGHEST VALUE IS       0.00012 AT (  569968.32,
3733659.80,     5.02,     5.02,    0.00)  DC
          3RD HIGHEST VALUE IS       0.00008 AT (  569725.98,
3733818.79,     6.45,     6.45,    0.00)  DC
          4TH HIGHEST VALUE IS       0.00008 AT (  569775.98,
3733818.79,     6.22,     6.22,    0.00)  DC
          5TH HIGHEST VALUE IS       0.00008 AT (  569825.98,
3733818.79,     5.99,     5.99,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00008 AT (  569675.98,
3733818.79,     6.69,     6.69,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00008 AT (  569625.98,
3733818.79,     6.97,     6.97,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00008 AT (  569525.98,
3733818.79,     7.14,     7.14,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00008 AT (  569875.98,
3733818.79,     5.76,     5.76,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00008 AT (  569575.98,
3733818.79,     7.12,     7.12,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
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 *** AERMOD - VERSION 21112  ***   *** C:\Lakes
\Indio_Oasis_Construction-With-North-Receptors\Indio_Oasis_C ***
11/22/23
 *** AERMET - VERSION  16216 ***   ***
***        18:00:50

PAGE  13
 *** 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         1124 Informational Message(s)

 A Total of        43848 Hours Were Processed

 A Total of          595 Calm Hours Identified

 A Total of          529 Missing Hours Identified (  1.21
Percent)


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


    ********   WARNING MESSAGES   ********
 ME W340   49243       PRBASE: Possible Error in PROFBASE Input:
Value is < 0        PROFBASE
 ME W186   49244       MEOPEN: THRESH_1MIN 1-min ASOS wind speed
threshold used          0.50
 ME W187   49244       MEOPEN: ADJ_U* Option for Stable Low Winds
used in AERMET
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AERMOD View - Source Parameters
MS Excel - Lakes Format: Version 3.0
Supported Source Types: Point, Rectangular Area, Circular Area, Polygon Area, Volume, Open Pit, Line Volume, Line Area

Parameters	Units	Description
Type		POINT, AREA, AREA_CIRC, AREA_POLY, VOLUME, OPEN_PIT, LINE, LINE_VOLUME, LINE_AREA, BUOYLINE, RLINE, RLINEXT
ID		Source ID up to 12 characters
Desc		Optional description
SourceID_Prefix		Text prefix up to 4 characters long for generated LINE_VOLUME, RLINE, RLINEXT and LINE_AREA sources
Base_Elev	[m]	Source base elevation above mean sea level
Height	[m]	Release height above ground
Diam	[m]	Inner stack diameter (POINT) or circular area radius (AREA_CIRC)
Exit_Vel	[m/s]	Exit velocity (POINT only)
Exit_Temp	[K]	Exit temperature (POINT only)
Release Type		VERTICAL, HORIZONTAL, CAPPED (POINT only) - HORIZONTAL and CAPPED are non-default beta options
SigmaY	[m]	Initial sigma Y (VOLUME only)
SigmaZ	[m]	Initial sigma Z (AREA, AREA_CIRC, AREA_POLY, VOLUME, LINE, RLINE, RLINEXT and LINE_AREA only; optional for AREA, AREA_CIRC, AREA_POLY, and LINE)
Length_X	[m]	X side length (AREA, VOLUME, OPEN PIT, RLINE, RLINEXT, and LINE_AREA only; optional for VOLUME, will be used to calculate SigmaY)
Length_Y	[m]	Y side length (AREA and OPEN PIT only); width for LINE sources; DCL for RLINEXT sources
Rotation_Angle	[degrees]	Clockwise rotation from North of Y side (AREA and OPEN PIT only)
Pit_Volume	[m^3]	Volume of the open pit (OPEN PIT only)
Emission_Rate	[g/s or g/s/m2]	Emission rate (g/s for POINT, VOLUME, and LINE_VOLUME; g/s/m2 for AREA, AREA_CIRC, AREA_POLY, OPENPIT, LINE, RLINE, RLINEXT and LINE_AREA)
Configuration		LINE_VOLUME configuration: Separated, Adjacent or Separated2W
LineVolumeHeight	[m]	Plume Height or Building Height for LINE_VOLUME source
PlumeWidth	[m]	Plume width for LINE_VOLUME source
LineVolumeType		LINE_VOLUME type: None, Surface-Based, Elevated, Elevated Building
LineArea_Ratio1		Ratio 1 for LINE_AREA sources
Line_FPRIMEL =	[m**4/s**3]	Average buoyance parameter (BUOYLINE source only)
Line_L =	[m]	Building Length (BUOYLINE source only)
Line_HB =	[m]	Building Height (BUOYLINE source only)
Line_WB =	[m]	Building Width (BUOYLINE source only)
Line_WM =	[m]	Line Source Width (BUOYLINE source only)
Line_DX =	[m]	Separation between buildings (BUOYLINE source only)
Num_Coords		Number of coordinate pairs (POINT, AREA, AREA_CIRC, VOLUME, OPENPIT = 1; AREA_POLY >= 3; LINE = 2; LINE_AREA, LINE_VOLUME >= 2, RLINE/RLINEXT >= 2)
X1	[m]	X coordinate of source location [m]
Y1	[m]	Y coordinate of source location [m]
X2	[m]	Secondary X coordinate of source location [m] (AREA_POLY, LINE, LINE_VOLUME, LINE_AREA, RLINE, RLINEXT, BUOYLINE sources only)
Y2	[m]	Secondary Y coordinate of source location [m] (AREA_POLY, LINE, LINE_VOLUME, LINE_AREA, RLINE, RLINEXT, BUOYLINE sources only)
X3	[m]	Additional X coordinate of source location [m] (AREA_POLY, LINE_VOLUME, RLINE, RLINEXT, LINE_AREA only)
Y3	[m]	Additional Y coordinate of source location [m] (AREA_POLY, LINE_VOLUME, RLINE, RLINEXT, LINE_AREA only)
X4	[m]	Additional X coordinate of source location [m] (AREA_POLY, LINE_VOLUME, RLINE, RLINEXT, LINE_AREA only)
Y4	[m]	Additional Y coordinate of source location [m] (AREA_POLY, LINE_VOLUME, RLINE, RLINEXT, LINE_AREA only)
Base_Elev_m	[m]	Base Elevation for LINE_VOLUME, LINE_AREA, RLINE, RLINEXT Nodes
Rel_Height_m	[m]	Release height for LINE_VOLUME, LINE_AREA, RLINE, RLINEXT Nodes
Rbarrier	[m]	Barrier properties HW1, DW1, HW2, DW2 for RLINEXT sources
Rdepression	[m]	Depression properties Depth, Wtop, Wbottom for RLINEXT sources

NOTE: you may keep adding additional coordinate pairs for an AREA_POLY or LINE_VOLUME sources, be sure to add the headers as well (eg. X5, Y5, etc)

Type	ID	Desc	SourceID_Prefix	Base_Elev	Height	Diam	Exit_Vel	Exit_Temp	Release_Type	SigmaY	SigmaZ	Length_X	Length_Y	Rotation_Angle	Pit_Volume	Emission_Rate	Configuration	LineVolumeHeight	PlumeWidth
				[m]	[m]	[m]	[m/s]	[K]		[m]	[m]	[m]	[m]	[deg]	[m^3]			[m]	[m]
AREA_P	PAREA1	06_NWRES_OnConYr1		6.9	5											5.41E-08			
AREA_P	PAREA52	06_NWRES_OnConYr2		6.9	5						0					0.000000041			
AREA_P	PAREA53	06_NWRES_OnConYr3		6.9	5						0					0.000000017			
AREA_P	PAREA54	01MassGrading01		6.9	5						0					4.64972E-08			
AREA_P	PAREA12	07_NERES_OnConYr3		5.2	5						0					3.38E-08			
AREA_P	PAREA55	01MassGrading02		5.2	5						0					4.64972E-08			
AREA_P	PAREA65	07_NERES_OnConYr1		5.2	5						0					0.00000002			
AREA_P	PAREA66	07_NERES_OnConYr2		5.2	5						0					3.67E-08			
AREA_P	PAREA67	07_NERES_OnConYr4		5.2	5						0					1.81E-08			
AREA_P	PAREA3	08_SERES_OnConYr1		2.71	5											0.000000142			
AREA_P	PAREA8	08_SERES_OnConYr2		2.71	5						0					0.000000046			
AREA_P	PAREA56	01MassGrading03		3.54	5						0					4.64972E-08			
AREA_P	PAREA4	04_SWI_SE_OnConYr1		4.46	5											4.36E-08			
AREA_P	PAREA28	04_SWI_SE_OnConYr2		4.46	5						0					3.06E-08			
AREA_P	PAREA60	01MassGrading07		4.42	5						0					4.64972E-08			
AREA_P	PAREA13	04_SWI_SE_OnConYr3		4.46	5						0					5.8E-11			
AREA_P	PAREA5	05_SEI_SW_OnConYr1		4.44	5											4.51E-08			
AREA_P	PAREA14	05_SEI_SE_OnConYr3		1.82	5						0					6.1E-11			
AREA_P	PAREA42	05_SEI_NE_OnConYr3		1.82	5						0					6.1E-11			
AREA_P	PAREA23	05_SEI_NW_OnConYr1		4.45	5						0					4.51E-08			
AREA_P	PAREA10	05_SEI_SW_OnConYr2		4.44	5						0					3.14E-08			
AREA_P	PAREA30	05_SEI_SE_OnConYr2		1.82	5						0					3.14E-08			
AREA_P	PAREA31	05_SEI_NE_OnConYr2		1.82	5						0					3.14E-08			
AREA_P	PAREA32	05_SEI_NW_OnConYr2		4.45	5						0					3.14E-08			
AREA_P	PAREA57	01MassGrading04		1.82	5						0					4.64972E-08			
AREA_P	PAREA58	01MassGrading05		1.82	5						0					4.64972E-08			
AREA_P	PAREA44	05_SEI_NW_OnConYr3		4.45	5						0					6.1E-11			
AREA_P	PAREA39	05_SEI_SW_OnConYr3		4.44	5						0					6.1E-11			
AREA_P	PAREA21	05_SEI_SE_OnConYr1		1.82	5						0					4.51E-08			
AREA_P	PAREA22	05_SEI_NE_OnConYr1		1.82	5						0					4.51E-08			
LINE_A	FARLN1	06_NW_OffConYr1											20			1.19E-09			
LINE_A	FARLN1																		
LINE_A	FARLN1																		
LINE_A	FARLN2	07_NERES_OffConYr1											20			1.59505E-09			
LINE_A	FARLN2																		
LINE_A	FARLN2																		
LINE_A	FARLN3	08_SERES_OffConYr1											20			4.47E-10			
LINE_A	FARLN3																		
LINE_A	FARLN3																		
LINE_A	FARLN4	04_SWI_OffConYr1											20			1.21E-09			
LINE_A	FARLN4																		
LINE_A	FARLN4																		
LINE_A	FARLN5	05_SEI_OffConYr1											20			1.40179E-09			
LINE_A	FARLN5																		
LINE_A	FARLN5																		
LINE_A	FARLN6	03_Substation_OffConYr1											20			7.84E-11			
LINE_A	FARLN6																		
LINE_A	FARLN6																		
LINE_A	FARLN7	02_StA_OffConYr1											20			5.85E-10			
LINE_A	FARLN7																		
LINE_A	FARLN7																		
LINE_A	FARLN8	06_NW_OffConYr2											20			1.31418E-09			
LINE_A	FARLN8																		
LINE_A	FARLN8																		
LINE_A	FARLN9	07_NERES_OffConYr2											20			1.98157E-09			
LINE_A	FARLN9																		
LINE_A	FARLN9																		
LINE_A	FARLN10	04_SWI_OffConYr2											20			1.20337E-09			
LINE_A	FARLN10																		
LINE_A	FARLN10																		
LINE_A	FARLN11	05_SEI_OffConYr2											20			1.39664E-09			
LINE_A	FARLN11																		
LINE_A	FARLN11																		
LINE_A	FARLN13	06_NW_OffConYr3											20			4.50943E-10			
LINE_A	FARLN13																		
LINE_A	FARLN13																		
LINE_A	FARLN14	07_NERES_OffConYr3											20			1.88365E-09			
LINE_A	FARLN14																		
LINE_A	FARLN14																		
LINE_A	FARLN17	07_NERES_OffConYr4											20			5.669E-10			
LINE_A	FARLN17																		
LINE_A	FARLN17																		
LINE_A	FARLN21	01MassGrading_OffConYr1											20			7.96684E-11			
LINE_A	FARLN21																		
LINE_A	FARLN21																		
LINE_A	FARLN23	03_Substation_OffConYr2											20			1.04619E-11			
LINE_A	FARLN23																		
LINE_A	FARLN23																		
LINE_A	FARLN25	08_SERES_OffConYr2											20			1.73935E-10			
LINE_A	FARLN25																		
LINE_A	FARLN25																		
AREA_P	PAREA29	04_SWI_NE_OnConYr2		4.75	5						0					3.06E-08			
AREA_P	PAREA24	04_SWI_NE_OnConYr1		4.75	5						0					4.36E-08			
AREA_P	PAREA59	01MassGrading06		4.73	5						0					4.64972E-08			
AREA_P	PAREA33	04_SWI_NE_OnConYr3		4.75	5						0					5.8E-11			
AREA_P	PAREA25	04_SWI_SW_ConYr1		5.94	5											4.36E-08			
AREA_P	PAREA27	04_SWI_SW_ConYr2		5.94	5						0					3.06E-08			
AREA_P	PAREA35	04_SWI_SW_ConYr3		5.94	5						0					5.8E-11			
AREA_P	PAREA26	04_SWI_NW_ConYr1		5.95	5											4.36E-08			
AREA_P	PAREA49	04_SWI_NW_ConYr2		5.95	5						0					3.06E-08			
AREA_P	PAREA50	04_SWI_NW_ConYr3		5.95	5						0					5.8E-11			
AREA_P	PAREA46	03_Substation_OnConYr1		4.17	5											0.000000339			
AREA_P	PAREA64	03_Substation_OnConYr2		4.17	5						0					5.49E-08			
AREA_P	PAREA47	02_StreetA_OnConYr1		7.14	5											0.000000206			

LineVolumeType	LineArea_Ratio1	Line_FPRIMEL	Line_L	Line_HB	Line_WB	Line_WM	Line_DX	Num_Coords	X1	Y1	X2	Y2	X3	Y3	X4	Y4	X5
									[m]	[m]	[m]	[m]	[m]	[m]	[m]	[m]	
								5	569453.08	3733836.72	569457.14	3733815.93	570124.54	3733819.75	570125.76	3734009.61	569459.50
								5	569453.08	3733836.72	569457.14	3733815.93	570124.54	3733819.75	570125.76	3734009.61	569459.50
								5	569453.08	3733836.72	569457.14	3733815.93	570124.54	3733819.75	570125.76	3734009.61	569459.50
								5	569453.08	3733836.72	569459.61	3733791.21	570124.54	3733795.03	570125.76	3734009.61	569459.50
								4	570124.35	3734010.44	570123.96	3733820.20	570936.95	3733817.45	570937.39	3734009.61	
								4	570124.35	3734010.44	570125.01	3733792.88	570746.61	3733791.05	570750.41	3734005.71	
								4	570124.35	3734010.44	570123.96	3733820.20	570936.95	3733817.45	570937.39	3734009.61	
								4	570124.35	3734010.44	570123.96	3733820.20	570936.95	3733817.45	570937.39	3734009.61	
								4	570124.35	3734010.44	570123.96	3733820.20	570936.95	3733817.45	570937.39	3734009.61	
								7	570744.88	3733801.22	570742.34	3733560.26	570798.78	3733581.18	570921.16	3733662.98	570930.67
								7	570744.88	3733801.22	570742.34	3733560.26	570798.78	3733581.18	570921.16	3733662.98	570930.67
								7	570748.03	3734009.22	570742.34	3733560.26	570798.78	3733581.18	570921.16	3733662.98	570930.67
								7	570123.71	3733657.51	570128.18	3733503.61	570049.70	3733500.51	570047.63	3733435.46	570003.23
								7	570123.71	3733657.51	570128.18	3733503.61	570049.70	3733500.51	570047.63	3733435.46	570003.23
								8	570126.38	3733641.44	570128.18	3733431.28	569984.15	3733433.14	569803.25	3733453.19	569634.21
								7	570123.71	3733657.51	570128.18	3733503.61	570049.70	3733500.51	570047.63	3733435.46	570003.23
								7	570126.22	3733654.76	570124.85	3733500.24	570200.33	3733502.87	570201.21	3733438.80	570386.43
								6	570743.79	3733649.11	570743.34	3733553.51	570588.91	3733507.88	570386.43	3733463.37	570386.61
								4	570743.79	3733649.11	570385.27	3733650.71	570383.70	3733795.90	570740.06	3733794.64	
								4	570125.10	3733655.82	570385.93	3733649.59	570383.78	3733793.87	570125.24	3733797.60	
								7	570126.22	3733654.76	570124.85	3733500.24	570200.33	3733502.87	570201.21	3733438.80	570386.43
								6	570743.79	3733649.11	570743.34	3733553.51	570588.91	3733507.88	570386.43	3733463.37	570386.61
								4	570743.79	3733649.11	570385.27	3733650.71	570383.70	3733795.90	570740.06	3733794.64	
								4	570125.10	3733655.82	570385.93	3733649.59	570383.78	3733793.87	570125.24	3733797.60	
								4	570743.79	3733649.11	570123.70	3733642.30	570124.23	3733795.90	570740.06	3733794.64	
								6	570743.79	3733649.11	570743.34	3733553.51	570588.91	3733507.88	570203.64	3733435.01	570127.13
								4	570125.10	3733655.82	570385.93	3733649.59	570383.78	3733793.87	570125.24	3733797.60	
								7	570126.22	3733654.76	570124.85	3733500.24	570200.33	3733502.87	570201.21	3733438.80	570386.43
								6	570743.79	3733649.11	570743.34	3733553.51	570588.91	3733507.88	570386.43	3733463.37	570386.61
								4	570743.79	3733649.11	570385.27	3733650.71	570383.70	3733795.90	570740.06	3733794.64	
	10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10	3733509.71	570403.57
								Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12
								Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85	5.51	6.24
	10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10	3733509.71	570403.57
								Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12
								Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85	5.51	6.24
	10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10	3733509.71	570403.57
								Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12
								Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85	5.51	6.24
	10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10	3733509.71	570403.57
								Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12
								Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85	5.51	6.24
	10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10	3733509.71	570403.57
								Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12
								Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85	5.51	6.24
	10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10	3733509.71	570403.57
								Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12
								Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85	5.51	6.24
	10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10	3733509.71	570403.57
								Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12
								Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85	5.51	6.24
	10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10	3733509.71	570403.57
								Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12
								Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85	5.51	6.24
	10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10	3733509.71	570403.57
								Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12
								Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85	5.51	6.24
	10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10	3733509.71	570403.57
								Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12
								Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85	5.51	6.24
	10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10	3733509.71	570403.57
								Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12
								Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85	5.51	6.24
	10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10	3733509.71	570403.57
								Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12
								Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85	5.51	6.24
	10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10	3733509.71	570403.57
								Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12
								Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85	5.51	6.24
	10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10	3733509.71	570403.57
								Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12
								Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85	5.51	6.24
	10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10	3733509.71	570403.57
								Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12
								Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85	5.51	6.24
	10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10	3733509.71	570403.57
								Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12
								Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85	5.51	6.24
	10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10	3733509.71	570403.57
								Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12
								Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85	5.51	6.24
								4	570122.56	3733801.52	570122.56	3733661.84	569803.44	3733659.07	569801.59	3733799.67	
								4	570122.56	3733801.52	570122.56	3733661.84	569803.44	3733659.07	569801.59	3733799.67	
								5	570123.45	3733793.48	570126.13	3733642.20	569514.13	3733644.78	569484.58	3733710.31	569464.96
								4	570122.56	3733801.52	570122.56	3733661.84	569803.44	3733659.07	569801.59	3733799.67	
								6	569803.44	3733660.92	569503.74	3733669.24	569530.57	3733609.12	569593.47	3733530.50	569635.09
								6	569803.44	3733660.92	569503.74	3733669.24	569530.57	3733609.12	569593.47	3733530.50	569635.09
								6	569803.44	3733660.92	569503.74	3733669.24	569530.57	3733609.12	569593.47	3733530.50	569635.09
								9	569802.51	3733664.57	569801.59	3733798.70	569548.81	3733792.48	569547.22	3733817.85	569457.82
								9	569802.51	3733664.57	569801.59	3733798.70	569548.81	3733792.48	569547.22	3733817.85	569457.82
								9	569802.51	3733664.57	569801.59	3733798.70	569548.81	3733792.48	569547.22	3733817.85	569457.82
								4	570049.39	3733502.08	570052.07	3733432.96	570203.12	3733435.04	570199.26	3733503.30	
								4	570049.39	3733502.08	570052.07	3733432.96	570203.12	3733435.04	570199.26	3733503.30	
								9	569551.77	3733824.40	569539.20	3733809.42	569545.00	3733790.57	569572.55	3733792.02	570160.77



Y5	X6	Y6	X7	Y7	X8	Y8	X9	Y9	X10	Y10	X11	Y11							
3734009.95																			
3734009.95																			
3734009.95																			
3734009.95																			
3733671.86	570928.13	3733800.59	570746.78	3733801.22															
3733671.86	570928.13	3733800.59	570746.78	3733801.22															
3733671.86	570930.23	3734004.38	570846.58	3734010.27															
3733433.39	569796.70	3733456.11	569804.25	3733658.19															
3733433.39	569796.70	3733456.11	569804.25	3733658.19															
3733491.71	569592.49	3733530.72	569531.51	3733604.34	569514.94	3733643.90													
3733433.39	569796.70	3733456.11	569804.25	3733658.19															
3733463.37	570386.61	3733559.34	570385.27	3733650.71															
3733559.34	570385.27	3733650.71																	
3733463.37	570386.61	3733559.34	570385.27	3733650.71															
3733559.34	570385.27	3733650.71																	
3733434.33	570126.85	3733640.20																	
3733463.37	570386.61	3733559.34	570385.27	3733650.71															
3733559.34	570385.27	3733650.71																	
3733437.22	570203.37	3733407.48	569983.78	3733409.05	569757.81	3733437.24	569603.57	3733471.18	569379.62	3733547.30	569270.48	3733596.16							
4.12	4.12																		
7.29	8.09																		
3733437.22	570203.37	3733407.48	569983.78	3733409.05	569757.81	3733437.24	569603.57	3733471.18	569379.62	3733547.30	569270.48	3733596.16							
4.12	4.12																		
7.29	8.09																		
3733437.22	570203.37	3733407.48	569983.78	3733409.05	569757.81	3733437.24	569603.57	3733471.18	569379.62	3733547.30	569270.48	3733596.16							
4.12	4.12																		
7.29	8.09																		
3733437.22	570203.37	3733407.48	569983.78	3733409.05	569757.81	3733437.24	569603.57	3733471.18	569379.62	3733547.30	569270.48	3733596.16							
4.12	4.12																		
7.29	8.09																		
3733437.22	570203.37	3733407.48	569983.78	3733409.05	569757.81	3733437.24	569603.57	3733471.18	569379.62	3733547.30	569270.48	3733596.16							
4.12	4.12																		
7.29	8.09																		
3733437.22	570203.37	3733407.48	569983.78	3733409.05	569757.81	3733437.24	569603.57	3733471.18	569379.62	3733547.30	569270.48	3733596.16							
4.12	4.12																		
7.29	8.09																		
3733437.22	570203.37	3733407.48	569983.78	3733409.05	569757.81	3733437.24	569603.57	3733471.18	569379.62	3733547.30	569270.48	3733596.16							
4.12	4.12																		
7.29	8.09																		
3733437.22	570203.37	3733407.48	569983.78	3733409.05	569757.81	3733437.24	569603.57	3733471.18	569379.62	3733547.30	569270.48	3733596.16							
4.12	4.12																		
7.29	8.09																		
3733437.22	570203.37	3733407.48	569983.78	3733409.05	569757.81	3733437.24	569603.57	3733471.18	569379.62	3733547.30	569270.48	3733596.16							
4.12	4.12																		
7.29	8.09																		
3733437.22	570203.37	3733407.48	569983.78	3733409.05	569757.81	3733437.24	569603.57	3733471.18	569379.62	3733547.30	569270.48	3733596.16							
4.12	4.12																		
7.29	8.09																		
3733437.22	570203.37	3733407.48	569983.78	3733409.05	569757.81	3733437.24	569603.57	3733471.18	569379.62	3733547.30	569270.48	3733596.16							
4.12	4.12																		
7.29	8.09																		
3733437.22	570203.37	3733407.48	569983.78	3733409.05	569757.81	3733437.24	569603.57	3733471.18	569379.62	3733547.30	569270.48	3733596.16							
4.12	4.12																		
7.29	8.09																		
3733437.22	570203.37	3733407.48	569983.78	3733409.05	569757.81	3733437.24	569603.57	3733471.18	569379.62	3733547.30	569270.48	3733596.16							
4.12	4.12																		
7.29	8.09																		
3733788.95																			
3733489.80	569796.96	3733453.72																	
3733489.80	569796.96	3733453.72																	
3733489.80	569796.96	3733453.72																	
3733815.54	569477.83	3733717.30	569502.81	3733670.12	569803.44	3733661.80	569801.82	3733665.61											
3733815.54	569477.83	3733717.30	569502.81	3733670.12	569803.44	3733661.80	569801.82	3733665.61											
3733815.54	569477.83	3733717.30	569502.81	3733670.12	569803.44	3733661.80	569801.82	3733665.61											
3733796.11	570931.29	3733791.88	570931.56	3733820.61	570141.71	3733820.04	569571.35	3733818.33											

PROJECT TITLE:

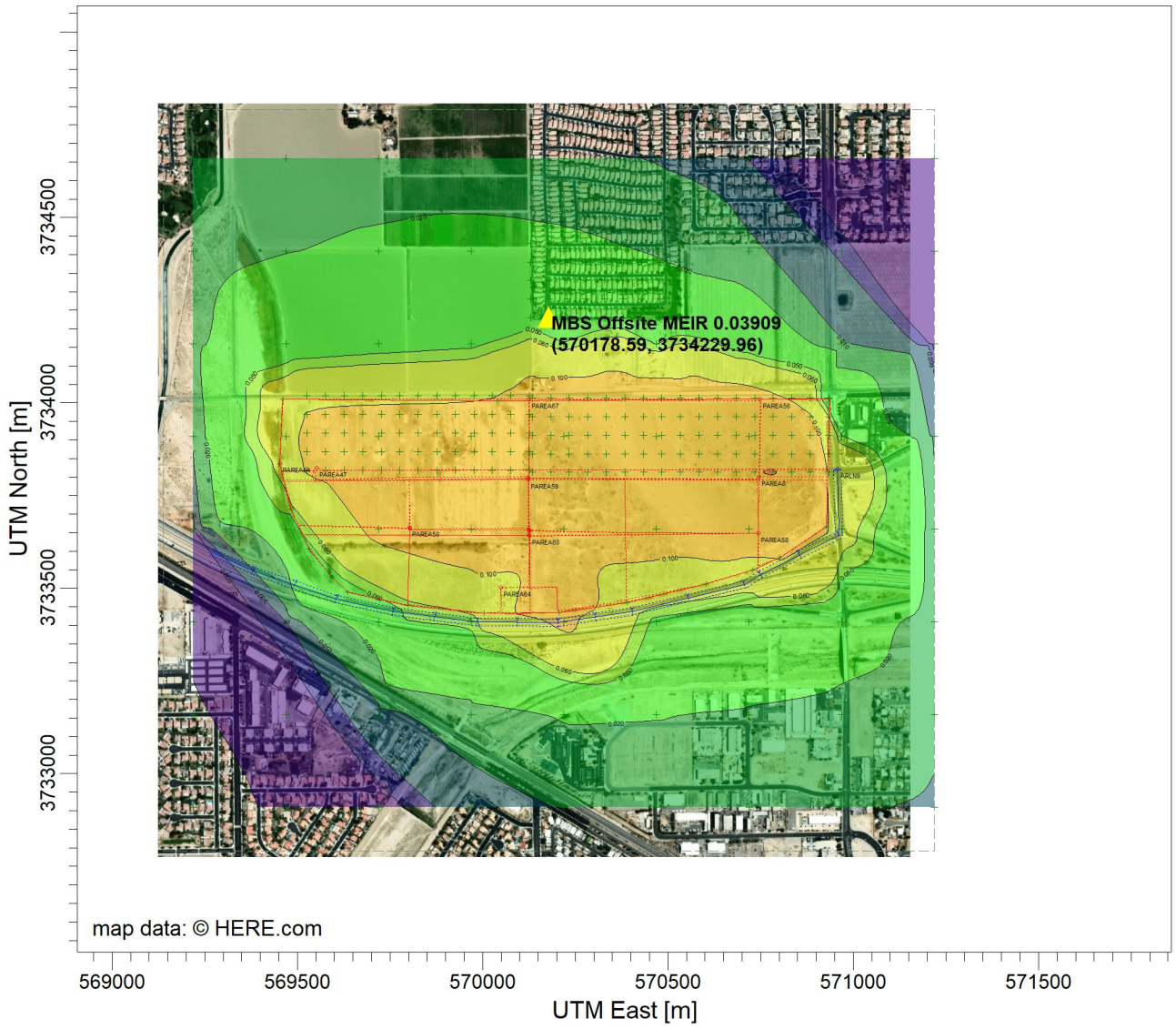
Indio_Oasis_MBS_UnmitigatedConstruction



COMMENTS: Maximum Buildout Scenario Unmitigated Construction - Sources	SOURCES: **60**	COMPANY NAME: **MIG**	
	RECEPTORS: **283**	MODELER: **K. Kitowski**	
		SCALE: 1:12,627 0 0.4 km	
		DATE: **12/5/2023**	PROJECT NO.: **Oasis at Indio**

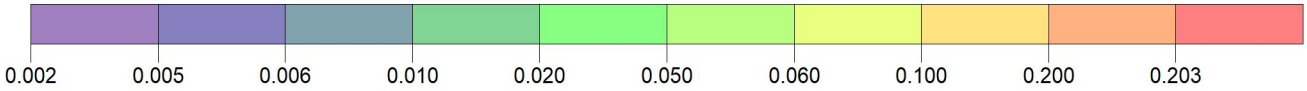
PROJECT TITLE:

Indio_Oasis_MBS_UnmitigatedConstruction



PLOT FILE OF PERIOD VALUES AVERAGED ACROSS 0 YEARS FOR SOURCE GROUP: Y1ALL ug/m^3

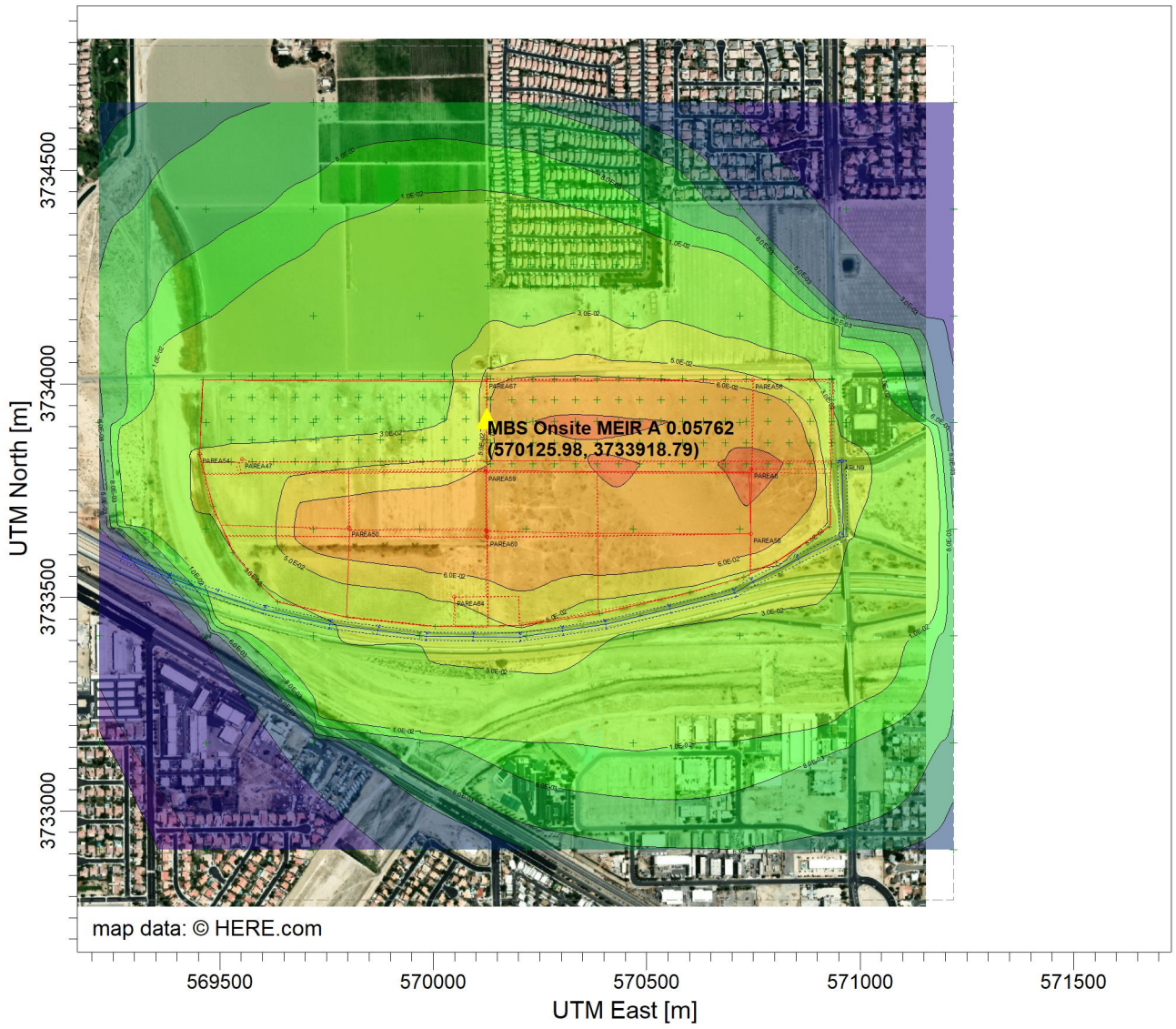
Max: 0.203 [ug/m^3] at (570783.72, 3733812.79)



COMMENTS: Maximum Buildout Scenario Unmitigated Construction - Sources	SOURCES: **60**	COMPANY NAME: **MIG**	
	RECEPTORS: **283**	MODELER: **K. Kitowski**	
	OUTPUT TYPE: **Concentration**	SCALE: 1:18,569 0 0.5 km	
	MAX: **0.203 ug/m^3**	DATE: **12/5/2023**	PROJECT NO.: **Oasis at Indio**

PROJECT TITLE:

Indio_Oasis_MBS_UnmitigatedConstruction



PLOT FILE OF PERIOD VALUES AVERAGED ACROSS 0 YEARS FOR SOURCE GROUP: Y2WO_NWR ug/m^3

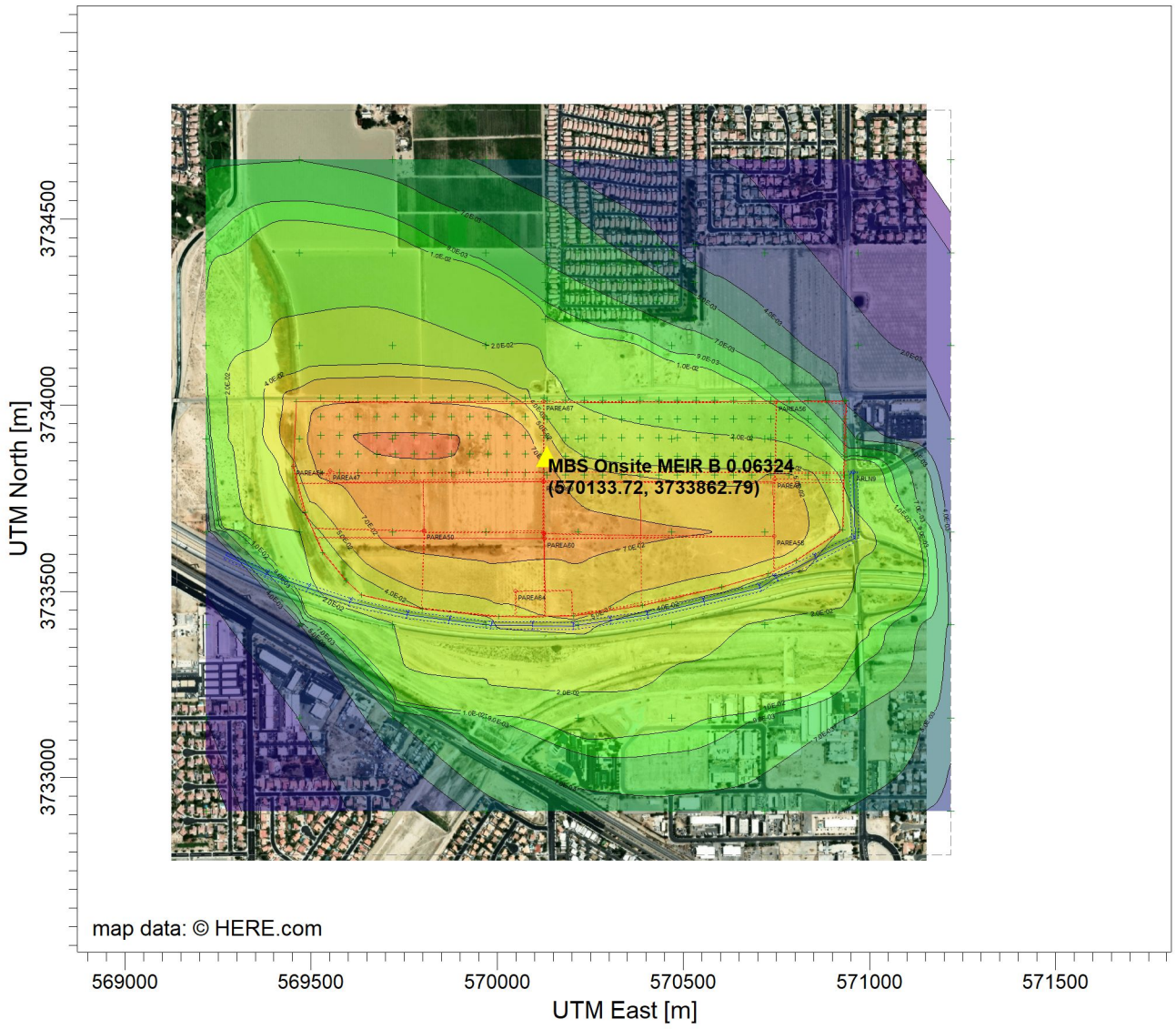
Max: 8.5E-02 [ug/m^3] at (570733.72, 3733812.79)

8.5E-04 1.0E-03 3.0E-03 5.0E-03 6.0E-03 8.0E-03 1.0E-02 3.0E-02 5.0E-02 6.0E-02 8.0E-02 8.5E-02

COMMENTS: Maximum Buildout Scenario Unmitigated Construction - Sources	SOURCES: **60**	COMPANY NAME: **MIG**	
	RECEPTORS: **283**	MODELER: **K. Kitowski**	
	OUTPUT TYPE: **Concentration**	SCALE: 1:16,122 0 0.5 km	
	MAX: **8.5E-02 ug/m^3**	DATE: **12/5/2023**	PROJECT NO.: **Oasis at Indio**

PROJECT TITLE:

Indio_Oasis_MBS_UnmitigatedConstruction



PLOT FILE OF PERIOD VALUES AVERAGED ACROSS 0 YEARS FOR SOURCE GROUP: Y2WO_NER ug/m^3

Max: 9.2E-02 [ug/m^3] at (569718.32, 3733909.80)

9.1E-04 1.0E-03 2.0E-03 4.0E-03 5.0E-03 7.0E-03 9.0E-03 1.0E-02 2.0E-02 4.0E-02 5.0E-02 7.0E-02 9.0E-02 9.2E-02

COMMENTS: Maximum Buildout Scenario Unmitigated Construction - Sources	SOURCES: **60**	COMPANY NAME: **MIG**	
	RECEPTORS: **283**	MODELER: **K. Kitowski**	
	OUTPUT TYPE: **Concentration**	SCALE: 1:18,486 0 0.5 km	
	MAX: **9.2E-02 ug/m^3**	DATE: **12/5/2023**	PROJECT NO.: **Oasis at Indio**

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AERMOD Summary Files: Maximum Buildout Scenario Mitigated Construction

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```
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes
\Indio_Oasis_Construction-With-North-Receptors\Indio_Oasis_C ***
11/29/23
 *** AERMET - VERSION  16216 ***   ***
***        15:18:55

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

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

 **Model Is Setup For Calculation of Average CONCentration
Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses URBAN Dispersion Algorithm for the SBL for   307
Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =   2418185.0 ;  Urban Roughness Length =
1.000 m

 **Model Uses Regulatory DEFAULT Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Urban Roughness Length of 1.0 Meter Assumed.

 **Other Options Specified:
        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:  PM_10

 **Model Calculates PERIOD Averages Only

 **This Run Includes:    307 Source(s);      33 Source Group(s);
and     283 Receptor(s)
```

```
                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:      0 VOLUME source(s)
                 and:    307 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with a total
of     0 line(s)


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

 **The AERMET Input Meteorological Data Version Date:  16216

 **Output Options Selected:
          Model Outputs Tables of PERIOD Averages by Receptor
          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)
=   -36.00 ;  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 =      6.1 MB of
RAM.

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

 **Detailed Error/Message File:
Indio_Oasis_MBS_MitigatedConstruction.err
 **File for Summary of Results:
Indio_Oasis_MBS_MitigatedConstruction.sum
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***

(1=YES; 0=NO)

```
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
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1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***

(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

Surface file: C:\Users\sjremote\Desktop\FORINDIO\KTRM_v9.SFC Met Version: 16216
Profile file: C:\Users\sjremote\Desktop\FORINDIO\KTRM_v9.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 3104 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2012 Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
12	01	01	1	01	-7.8	0.118	-9.000	-9.000	-999.	98.	19.4	0.08	1.91	1.00	1.59	77.	10.1	278.8	2.0
12	01	01	1	02	-15.8	0.171	-9.000	-9.000	-999.	169.	32.1	0.08	1.91	1.00	2.23	288.	10.1	277.5	2.0
12	01	01	1	03	-16.9	0.177	-9.000	-9.000	-999.	178.	34.3	0.08	1.91	1.00	2.30	325.	10.1	278.8	2.0
12	01	01	1	04	-3.0	0.076	-9.000	-9.000	-999.	56.	13.4	0.08	1.91	1.00	0.94	321.	10.1	275.4	2.0
12	01	01	1	05	-4.7	0.092	-9.000	-9.000	-999.	67.	15.0	0.08	1.91	1.00	1.23	342.	10.1	274.2	2.0
12	01	01	1	06	-10.7	0.139	-9.000	-9.000	-999.	124.	22.8	0.08	1.91	1.00	1.84	309.	10.1	274.9	2.0
12	01	01	1	07	-18.8	0.186	-9.000	-9.000	-999.	193.	38.2	0.08	1.91	1.00	2.42	338.	10.1	277.0	2.0
12	01	01	1	08	-11.5	0.179	-9.000	-9.000	-999.	182.	45.7	0.08	1.91	0.49	2.30	343.	10.1	282.5	2.0
12	01	01	1	09	44.9	0.190	0.372	0.007	42.	198.	-13.9	0.08	1.91	0.30	1.86	334.	10.1	288.8	2.0
12	01	01	1	10	109.3	0.237	0.720	0.006	125.	278.	-11.2	0.08	1.91	0.23	2.27	333.	10.1	293.8	2.0
12	01	01	1	11	153.1	0.246	1.122	0.005	338.	293.	-8.9	0.08	1.91	0.21	2.28	348.	10.1	297.0	2.0
12	01	01	1	12	173.2	0.204	1.424	0.005	612.	222.	-4.5								

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0.08   1.91   0.20    1.72  322.   10.1  298.8    2.0
 12 01 01   1 13  169.9  0.156  1.670  0.005 1005.  148.     -2.0
0.08   1.91   0.20    1.14  351.   10.1  300.4    2.0
 12 01 01   1 14  142.4  0.144  1.714  0.005 1296.  131.     -1.9
0.08   1.91   0.22    1.04  329.   10.1  300.9    2.0
 12 01 01   1 15   92.8  0.142  1.542  0.005 1447.  129.     -2.8
0.08   1.91   0.25    1.11  316.   10.1  301.4    2.0
 12 01 01   1 16   24.5  0.122  0.995  0.005 1469.  102.     -6.8
0.08   1.91   0.35    1.09  301.   10.1  300.4    2.0
 12 01 01   1 17   -3.0  0.077 -9.000 -9.000 -999.   51.     13.7
0.08   1.91   0.65    0.99  209.   10.1  292.0    2.0
 12 01 01   1 18  -11.9  0.149 -9.000 -9.000 -999.  138.     25.2
0.08   1.91   1.00    1.96  149.   10.1  286.4    2.0
 12 01 01   1 19   -6.4  0.107 -9.000 -9.000 -999.   85.     17.7
0.08   1.91   1.00    1.45   31.   10.1  284.9    2.0
 12 01 01   1 20  -15.7  0.171 -9.000 -9.000 -999.  169.     32.1
0.08   1.91   1.00    2.23  327.   10.1  283.1    2.0
 12 01 01   1 21   -8.3  0.122 -9.000 -9.000 -999.  103.     20.2
0.08   1.91   1.00    1.64  347.   10.1  282.0    2.0
 12 01 01   1 22   -7.9  0.119 -9.000 -9.000 -999.   99.     19.6
0.08   1.91   1.00    1.60  316.   10.1  279.2    2.0
 12 01 01   1 23   -5.3  0.097 -9.000 -9.000 -999.   73.     15.9
0.08   1.91   1.00    1.31  325.   10.1  278.1    2.0
 12 01 01   1 24   -9.4  0.130 -9.000 -9.000 -999.  113.     21.5
0.08   1.91   1.00    1.74  304.   10.1  278.8    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW
sigmaV
 12 01 01 01   10.1 1   77.    1.59   278.8
99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
YR1ONALL	1ST HIGHEST VALUE IS	0.01738 AT (569968.32, 3733659.80, 5.02, 5.02, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.01671 AT (569825.98, 3733818.79, 5.99, 5.99, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.01669 AT (569875.98, 3733818.79, 5.76, 5.76, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.01662 AT (569775.98, 3733818.79, 6.22, 6.22, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.01658 AT (569925.98, 3733818.79, 5.55, 5.55, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.01647 AT (569725.98, 3733818.79, 6.45, 6.45, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.01635 AT (569975.98, 3733818.79, 5.35, 5.35, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.01621 AT (569675.98, 3733818.79, 6.69, 6.69, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.01591 AT (570025.98, 3733818.79, 5.16, 5.16, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.01581 AT (569625.98, 3733818.79, 6.97, 6.97, 0.00)	DC	
YR2ONALL	1ST HIGHEST VALUE IS	0.02217 AT (569968.32, 3733659.80, 5.02, 5.02, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.02140 AT (569718.32, 3733659.80, 6.43, 6.43, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.02038 AT (569825.98, 3733818.79, 5.99, 5.99, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.02034 AT (569875.98, 3733818.79, 5.76, 5.76, 0.00)	DC	

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          5TH HIGHEST VALUE IS       0.02028 AT (  569775.98,
3733818.79,     6.22,     6.22,    0.00)  DC
          6TH HIGHEST VALUE IS       0.02021 AT (  569925.98,
3733818.79,     5.55,     5.55,    0.00)  DC
          7TH HIGHEST VALUE IS       0.02010 AT (  569725.98,
3733818.79,     6.45,     6.45,    0.00)  DC
          8TH HIGHEST VALUE IS       0.01995 AT (  569975.98,
3733818.79,     5.35,     5.35,    0.00)  DC
          9TH HIGHEST VALUE IS       0.01978 AT (  569675.98,
3733818.79,     6.69,     6.69,    0.00)  DC
         10TH HIGHEST VALUE IS       0.01945 AT (  570025.98,
3733818.79,     5.16,     5.16,    0.00)  DC

YR3ONALL  1ST HIGHEST VALUE IS       0.01169 AT (  570333.72,
3733912.79,     4.41,     4.41,    0.00)  DC
          2ND HIGHEST VALUE IS       0.01167 AT (  570283.72,
3733912.79,     4.54,     4.54,    0.00)  DC
          3RD HIGHEST VALUE IS       0.01166 AT (  570383.72,
3733912.79,     4.28,     4.28,    0.00)  DC
          4TH HIGHEST VALUE IS       0.01161 AT (  570433.72,
3733912.79,     4.14,     4.14,    0.00)  DC
          5TH HIGHEST VALUE IS       0.01156 AT (  570483.72,
3733912.79,     4.00,     4.00,    0.00)  DC
          6TH HIGHEST VALUE IS       0.01153 AT (  570233.72,
3733912.79,     4.67,     4.67,    0.00)  DC
          7TH HIGHEST VALUE IS       0.01153 AT (  570468.32,
3733909.80,     4.03,     4.03,    0.00)  DC
          8TH HIGHEST VALUE IS       0.01150 AT (  570533.72,
3733912.79,     3.88,     3.88,    0.00)  DC
          9TH HIGHEST VALUE IS       0.01145 AT (  570333.72,
3733962.79,     4.54,     4.54,    0.00)  DC
         10TH HIGHEST VALUE IS       0.01145 AT (  570283.72,
3733962.79,     4.66,     4.66,    0.00)  DC

Y1OFFALL  1ST HIGHEST VALUE IS       0.00167 AT (  569798.77,
3733453.54,     5.25,     5.25,    0.00)  DC
          2ND HIGHEST VALUE IS       0.00166 AT (  569635.26,
3733489.98,     6.29,     6.29,    0.00)  DC
          3RD HIGHEST VALUE IS       0.00158 AT (  570003.76,
3733432.37,     3.91,     3.91,    0.00)  DC
          4TH HIGHEST VALUE IS       0.00149 AT (  570205.94,
3733434.38,     3.77,     3.77,    0.00)  DC
          5TH HIGHEST VALUE IS       0.00143 AT (  570390.58,
3733461.97,     2.49,     2.49,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00141 AT (  570602.35,
3733512.22,     1.80,     1.80,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00139 AT (  570928.50,
3733665.75,     1.41,     1.41,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00135 AT (  570933.72,
3733812.79,     2.21,     2.21,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00126 AT (  570727.67,
3733549.01,     1.31,     1.31,    0.00)  DC
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         10TH HIGHEST VALUE IS       0.00106 AT (  570802.77,
3733582.40,     1.10,     1.10,    0.00)  DC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
Y2OFFALL	1ST HIGHEST VALUE IS	0.00236 AT (569635.26, 3733489.98, 6.29, 6.29, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00235 AT (569798.77, 3733453.54, 5.25, 5.25, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00223 AT (570003.76, 3733432.37, 3.91, 3.91, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00208 AT (570205.94, 3733434.38, 3.77, 3.77, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00200 AT (570390.58, 3733461.97, 2.49, 2.49, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00197 AT (570602.35, 3733512.22, 1.80, 1.80, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00196 AT (570928.50, 3733665.75, 1.41, 1.41, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00190 AT (570933.72, 3733812.79, 2.21, 2.21, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00175 AT (570727.67, 3733549.01, 1.31, 1.31, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00159 AT (569968.32, 3733409.80, 3.96, 3.96, 0.00)	DC	
Y3OFFALL	1ST HIGHEST VALUE IS	0.00090 AT (569635.26, 3733489.98, 6.29, 6.29, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00090 AT (569798.77, 3733453.54, 5.25, 5.25, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00085 AT (570003.76, 3733432.37, 3.91, 3.91, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00080 AT (570205.94, 3733434.38, 3.77, 3.77, 0.00)	DC	

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          5TH HIGHEST VALUE IS       0.00077 AT (  570390.58,
3733461.97,     2.49,     2.49,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00075 AT (  570602.35,
3733512.22,     1.80,     1.80,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00075 AT (  570928.50,
3733665.75,     1.41,     1.41,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00073 AT (  570933.72,
3733812.79,     2.21,     2.21,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00067 AT (  570727.67,
3733549.01,     1.31,     1.31,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00061 AT (  569968.32,
3733409.80,     3.96,     3.96,    0.00)  DC

Y4OFFALL  1ST HIGHEST VALUE IS       0.00022 AT (  569635.26,
3733489.98,     6.29,     6.29,    0.00)  DC
          2ND HIGHEST VALUE IS       0.00022 AT (  569798.77,
3733453.54,     5.25,     5.25,    0.00)  DC
          3RD HIGHEST VALUE IS       0.00021 AT (  570003.76,
3733432.37,     3.91,     3.91,    0.00)  DC
          4TH HIGHEST VALUE IS       0.00019 AT (  570205.94,
3733434.38,     3.77,     3.77,    0.00)  DC
          5TH HIGHEST VALUE IS       0.00019 AT (  570390.58,
3733461.97,     2.49,     2.49,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00018 AT (  570602.35,
3733512.22,     1.80,     1.80,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00018 AT (  570928.50,
3733665.75,     1.41,     1.41,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00018 AT (  570933.72,
3733812.79,     2.21,     2.21,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00016 AT (  570727.67,
3733549.01,     1.31,     1.31,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00015 AT (  569968.32,
3733409.80,     3.96,     3.96,    0.00)  DC

Y1SWIALL  1ST HIGHEST VALUE IS       0.01373 AT (  569718.32,
3733659.80,     6.43,     6.43,    0.00)  DC
          2ND HIGHEST VALUE IS       0.01303 AT (  569968.32,
3733659.80,     5.02,     5.02,    0.00)  DC
          3RD HIGHEST VALUE IS       0.00882 AT (  569725.98,
3733818.79,     6.45,     6.45,    0.00)  DC
          4TH HIGHEST VALUE IS       0.00882 AT (  569775.98,
3733818.79,     6.22,     6.22,    0.00)  DC
          5TH HIGHEST VALUE IS       0.00874 AT (  569825.98,
3733818.79,     5.99,     5.99,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00872 AT (  569675.98,
3733818.79,     6.69,     6.69,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00861 AT (  569525.98,
3733818.79,     7.14,     7.14,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00856 AT (  569625.98,
3733818.79,     6.97,     6.97,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00853 AT (  569875.98,
3733818.79,     5.76,     5.76,    0.00)  DC
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10TH HIGHEST VALUE IS 0.00844 AT (569575.98, 3733818.79, 7.12, 7.12, 0.00) DC

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
Y2SWIALL	1ST HIGHEST VALUE IS	0.01785 AT (569968.32, 3733659.80, 5.02, 5.02, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.01235 AT (569718.32, 3733659.80, 6.43, 6.43, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.01096 AT (569875.98, 3733818.79, 5.76, 5.76, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.01072 AT (569825.98, 3733818.79, 5.99, 5.99, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.01070 AT (569925.98, 3733818.79, 5.55, 5.55, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.01005 AT (569975.98, 3733818.79, 5.35, 5.35, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00962 AT (570003.76, 3733432.37, 3.91, 3.91, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00897 AT (569798.77, 3733453.54, 5.25, 5.25, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00881 AT (570025.98, 3733818.79, 5.16, 5.16, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00840 AT (569775.98, 3733818.79, 6.22, 6.22, 0.00)	DC	
Y1SEIALL	1ST HIGHEST VALUE IS	0.01010 AT (570468.32, 3733659.80, 3.13, 3.13, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00958 AT (570218.32, 3733659.80, 4.13, 4.13, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00688 AT (570233.72, 3733812.79, 4.44, 4.44, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00686 AT (570283.72, 3733812.79, 4.31, 4.31, 0.00)	DC	

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          5TH HIGHEST VALUE IS       0.00676 AT (  570333.72,
3733812.79,     4.15,     4.15,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00675 AT (  570183.72,
3733812.79,     4.58,     4.58,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00674 AT (  570383.72,
3733812.79,     4.02,     4.02,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00663 AT (  570433.72,
3733812.79,     3.88,     3.88,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00646 AT (  570483.72,
3733812.79,     3.74,     3.74,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00624 AT (  570133.72,
3733812.79,     4.74,     4.74,    0.00)  DC

Y2SEIALL  1ST HIGHEST VALUE IS       0.01394 AT (  570468.32,
3733659.80,     3.13,     3.13,    0.00)  DC
          2ND HIGHEST VALUE IS       0.01304 AT (  570218.32,
3733659.80,     4.13,     4.13,    0.00)  DC
          3RD HIGHEST VALUE IS       0.00907 AT (  570233.72,
3733812.79,     4.44,     4.44,    0.00)  DC
          4TH HIGHEST VALUE IS       0.00905 AT (  570283.72,
3733812.79,     4.31,     4.31,    0.00)  DC
          5TH HIGHEST VALUE IS       0.00893 AT (  570333.72,
3733812.79,     4.15,     4.15,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00892 AT (  570718.32,
3733659.80,     2.01,     2.01,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00891 AT (  570383.72,
3733812.79,     4.02,     4.02,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00887 AT (  570183.72,
3733812.79,     4.58,     4.58,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00876 AT (  570433.72,
3733812.79,     3.88,     3.88,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00854 AT (  570483.72,
3733812.79,     3.74,     3.74,    0.00)  DC

Y1NWRALL  1ST HIGHEST VALUE IS       0.00923 AT (  569625.98,
3733918.79,     6.76,     6.76,    0.00)  DC
          2ND HIGHEST VALUE IS       0.00921 AT (  569675.98,
3733918.79,     6.52,     6.52,    0.00)  DC
          3RD HIGHEST VALUE IS       0.00917 AT (  569725.98,
3733918.79,     6.32,     6.32,    0.00)  DC
          4TH HIGHEST VALUE IS       0.00910 AT (  569775.98,
3733918.79,     6.13,     6.13,    0.00)  DC
          5TH HIGHEST VALUE IS       0.00908 AT (  569718.32,
3733909.80,     6.37,     6.37,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00907 AT (  569575.98,
3733918.79,     6.96,     6.96,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00902 AT (  569825.98,
3733918.79,     5.96,     5.96,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00892 AT (  569875.98,
3733918.79,     5.80,     5.80,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00889 AT (  569625.98,
3733968.79,     6.64,     6.64,    0.00)  DC
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         10TH HIGHEST VALUE IS       0.00887 AT (  569675.98,
3733968.79,     6.44,     6.44,    0.00)  DC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
Y2NWRALL	1ST HIGHEST VALUE IS	0.01272 AT (569625.98, 3733918.79, 6.76, 6.76, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.01272 AT (569675.98, 3733918.79, 6.52, 6.52, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.01268 AT (569725.98, 3733918.79, 6.32, 6.32, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.01259 AT (569775.98, 3733918.79, 6.13, 6.13, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.01258 AT (569718.32, 3733909.80, 6.37, 6.37, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.01249 AT (569825.98, 3733918.79, 5.96, 5.96, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.01247 AT (569575.98, 3733918.79, 6.96, 6.96, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.01236 AT (569875.98, 3733918.79, 5.80, 5.80, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.01217 AT (569925.98, 3733918.79, 5.66, 5.66, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.01202 AT (569625.98, 3733968.79, 6.64, 6.64, 0.00)	DC	
Y3NWRALL	1ST HIGHEST VALUE IS	0.00642 AT (569625.98, 3733918.79, 6.76, 6.76, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00642 AT (569675.98, 3733918.79, 6.52, 6.52, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00639 AT (569725.98, 3733918.79, 6.32, 6.32, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00635 AT (569775.98, 3733918.79, 6.13, 6.13, 0.00)	DC	

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          5TH HIGHEST VALUE IS       0.00635 AT (  569718.32,
3733909.80,     6.37,     6.37,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00630 AT (  569825.98,
3733918.79,     5.96,     5.96,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00629 AT (  569575.98,
3733918.79,     6.96,     6.96,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00623 AT (  569875.98,
3733918.79,     5.80,     5.80,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00614 AT (  569925.98,
3733918.79,     5.66,     5.66,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00606 AT (  569625.98,
3733968.79,     6.64,     6.64,    0.00)  DC

Y1NERALL  1ST HIGHEST VALUE IS       0.00608 AT (  570383.72,
3733912.79,     4.28,     4.28,    0.00)  DC
          2ND HIGHEST VALUE IS       0.00608 AT (  570333.72,
3733962.79,     4.54,     4.54,    0.00)  DC
          3RD HIGHEST VALUE IS       0.00608 AT (  570383.72,
3733962.79,     4.41,     4.41,    0.00)  DC
          4TH HIGHEST VALUE IS       0.00608 AT (  570433.72,
3733912.79,     4.14,     4.14,    0.00)  DC
          5TH HIGHEST VALUE IS       0.00606 AT (  570333.72,
3733912.79,     4.41,     4.41,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00606 AT (  570483.72,
3733912.79,     4.00,     4.00,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00606 AT (  570433.72,
3733962.79,     4.27,     4.27,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00604 AT (  570533.72,
3733912.79,     3.88,     3.88,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00604 AT (  570483.72,
3733962.79,     4.16,     4.16,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00604 AT (  570283.72,
3733962.79,     4.66,     4.66,    0.00)  DC

Y2NERALL  1ST HIGHEST VALUE IS       0.01147 AT (  570383.72,
3733912.79,     4.28,     4.28,    0.00)  DC
          2ND HIGHEST VALUE IS       0.01147 AT (  570433.72,
3733912.79,     4.14,     4.14,    0.00)  DC
          3RD HIGHEST VALUE IS       0.01145 AT (  570483.72,
3733912.79,     4.00,     4.00,    0.00)  DC
          4TH HIGHEST VALUE IS       0.01142 AT (  570533.72,
3733912.79,     3.88,     3.88,    0.00)  DC
          5TH HIGHEST VALUE IS       0.01142 AT (  570333.72,
3733912.79,     4.41,     4.41,    0.00)  DC
          6TH HIGHEST VALUE IS       0.01141 AT (  570468.32,
3733909.80,     4.03,     4.03,    0.00)  DC
          7TH HIGHEST VALUE IS       0.01136 AT (  570583.72,
3733912.79,     3.72,     3.72,    0.00)  DC
          8TH HIGHEST VALUE IS       0.01127 AT (  570283.72,
3733912.79,     4.54,     4.54,    0.00)  DC
          9TH HIGHEST VALUE IS       0.01127 AT (  570633.72,
3733912.79,     3.54,     3.54,    0.00)  DC
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         10TH HIGHEST VALUE IS       0.01124 AT (  570383.72,
3733962.79,     4.41,     4.41,    0.00)  DC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
Y3NERALL	1ST HIGHEST VALUE IS	0.01147 AT (570383.72, 3733912.79, 4.28, 4.28, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.01147 AT (570433.72, 3733912.79, 4.14, 4.14, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.01145 AT (570483.72, 3733912.79, 4.00, 4.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.01142 AT (570533.72, 3733912.79, 3.88, 3.88, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.01142 AT (570333.72, 3733912.79, 4.41, 4.41, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.01141 AT (570468.32, 3733909.80, 4.03, 4.03, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.01136 AT (570583.72, 3733912.79, 3.72, 3.72, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.01127 AT (570283.72, 3733912.79, 4.54, 4.54, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.01127 AT (570633.72, 3733912.79, 3.54, 3.54, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.01124 AT (570383.72, 3733962.79, 4.41, 4.41, 0.00)	DC	
Y1SECALL	1ST HIGHEST VALUE IS	0.01077 AT (570783.72, 3733812.79, 2.63, 2.63, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00988 AT (570833.72, 3733812.79, 2.48, 2.48, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00937 AT (570733.72, 3733812.79, 2.80, 2.80, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00709 AT (570883.72, 3733812.79, 2.34, 2.34, 0.00)	DC	

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          5TH HIGHEST VALUE IS       0.00690 AT (  570928.50,
3733665.75,     1.41,     1.41,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00578 AT (  570802.77,
3733582.40,     1.10,     1.10,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00568 AT (  570718.32,
3733659.80,     2.01,     2.01,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00531 AT (  570783.72,
3733862.79,     2.83,     2.83,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00523 AT (  570733.72,
3733862.79,     3.03,     3.03,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00463 AT (  570683.72,
3733812.79,     2.96,     2.96,    0.00)  DC

Y2SECALL  1ST HIGHEST VALUE IS       0.00704 AT (  570783.72,
3733812.79,     2.63,     2.63,    0.00)  DC
          2ND HIGHEST VALUE IS       0.00646 AT (  570833.72,
3733812.79,     2.48,     2.48,    0.00)  DC
          3RD HIGHEST VALUE IS       0.00611 AT (  570733.72,
3733812.79,     2.80,     2.80,    0.00)  DC
          4TH HIGHEST VALUE IS       0.00520 AT (  570928.50,
3733665.75,     1.41,     1.41,    0.00)  DC
          5TH HIGHEST VALUE IS       0.00466 AT (  570883.72,
3733812.79,     2.34,     2.34,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00434 AT (  570802.77,
3733582.40,     1.10,     1.10,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00367 AT (  570718.32,
3733659.80,     2.01,     2.01,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00357 AT (  570783.72,
3733862.79,     2.83,     2.83,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00351 AT (  570733.72,
3733862.79,     3.03,     3.03,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00304 AT (  570683.72,
3733812.79,     2.96,     2.96,    0.00)  DC

Y1ALL     1ST HIGHEST VALUE IS       0.03667 AT (  570333.72,
3733912.79,     4.41,     4.41,    0.00)  DC
          2ND HIGHEST VALUE IS       0.03664 AT (  570283.72,
3733912.79,     4.54,     4.54,    0.00)  DC
          3RD HIGHEST VALUE IS       0.03656 AT (  570383.72,
3733912.79,     4.28,     4.28,    0.00)  DC
          4TH HIGHEST VALUE IS       0.03639 AT (  570433.72,
3733912.79,     4.14,     4.14,    0.00)  DC
          5TH HIGHEST VALUE IS       0.03628 AT (  570233.72,
3733912.79,     4.67,     4.67,    0.00)  DC
          6TH HIGHEST VALUE IS       0.03627 AT (  570468.32,
3733909.80,     4.03,     4.03,    0.00)  DC
          7TH HIGHEST VALUE IS       0.03621 AT (  570483.72,
3733912.79,     4.00,     4.00,    0.00)  DC
          8TH HIGHEST VALUE IS       0.03607 AT (  570533.72,
3733912.79,     3.88,     3.88,    0.00)  DC
          9TH HIGHEST VALUE IS       0.03604 AT (  570218.32,
3733909.80,     4.71,     4.71,    0.00)  DC
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         10TH HIGHEST VALUE IS       0.03589 AT (  570583.72,
3733912.79,     3.72,     3.72,    0.00)  DC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
Y1WO-NWR	1ST HIGHEST VALUE IS	0.02382 AT (569968.32, 3733659.80, 5.02, 5.02, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.02293 AT (570783.72, 3733812.79, 2.63, 2.63, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.02259 AT (570733.72, 3733812.79, 2.80, 2.80, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.02177 AT (569718.32, 3733659.80, 6.43, 6.43, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.02129 AT (570833.72, 3733812.79, 2.48, 2.48, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.02036 AT (570683.72, 3733812.79, 2.96, 2.96, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.02036 AT (570218.32, 3733659.80, 4.13, 4.13, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.02020 AT (570718.32, 3733659.80, 2.01, 2.01, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.01962 AT (570633.72, 3733812.79, 3.09, 3.09, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.01957 AT (570283.72, 3733812.79, 4.31, 4.31, 0.00)	DC	
Y2ALL	1ST HIGHEST VALUE IS	0.02260 AT (569968.32, 3733659.80, 5.02, 5.02, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.02180 AT (569718.32, 3733659.80, 6.43, 6.43, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.02070 AT (569825.98, 3733818.79, 5.99, 5.99, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.02070 AT (569875.98, 3733818.79, 5.76, 5.76, 0.00)	DC	

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          5TH HIGHEST VALUE IS       0.02061 AT (  569925.98,
3733818.79,     5.55,     5.55,    0.00)  DC
          6TH HIGHEST VALUE IS       0.02058 AT (  569775.98,
3733818.79,     6.22,     6.22,    0.00)  DC
          7TH HIGHEST VALUE IS       0.02042 AT (  569975.98,
3733818.79,     5.35,     5.35,    0.00)  DC
          8TH HIGHEST VALUE IS       0.02038 AT (  569725.98,
3733818.79,     6.45,     6.45,    0.00)  DC
          9TH HIGHEST VALUE IS       0.02005 AT (  569675.98,
3733818.79,     6.69,     6.69,    0.00)  DC
         10TH HIGHEST VALUE IS       0.02005 AT (  570025.98,
3733818.79,     5.16,     5.16,    0.00)  DC

Y2WO_NWR  1ST HIGHEST VALUE IS       0.02052 AT (  569968.32,
3733659.80,     5.02,     5.02,    0.00)  DC
          2ND HIGHEST VALUE IS       0.02001 AT (  569718.32,
3733659.80,     6.43,     6.43,    0.00)  DC
          3RD HIGHEST VALUE IS       0.01685 AT (  570218.32,
3733659.80,     4.13,     4.13,    0.00)  DC
          4TH HIGHEST VALUE IS       0.01664 AT (  570468.32,
3733659.80,     3.13,     3.13,    0.00)  DC
          5TH HIGHEST VALUE IS       0.01620 AT (  570383.72,
3733812.79,     4.02,     4.02,    0.00)  DC
          6TH HIGHEST VALUE IS       0.01616 AT (  570433.72,
3733812.79,     3.88,     3.88,    0.00)  DC
          7TH HIGHEST VALUE IS       0.01612 AT (  570333.72,
3733812.79,     4.15,     4.15,    0.00)  DC
          8TH HIGHEST VALUE IS       0.01609 AT (  570283.72,
3733812.79,     4.31,     4.31,    0.00)  DC
          9TH HIGHEST VALUE IS       0.01605 AT (  570483.72,
3733812.79,     3.74,     3.74,    0.00)  DC
         10TH HIGHEST VALUE IS       0.01598 AT (  570333.72,
3733912.79,     4.41,     4.41,    0.00)  DC

Y3WO_NWR  1ST HIGHEST VALUE IS       0.01147 AT (  570383.72,
3733912.79,     4.28,     4.28,    0.00)  DC
          2ND HIGHEST VALUE IS       0.01147 AT (  570433.72,
3733912.79,     4.14,     4.14,    0.00)  DC
          3RD HIGHEST VALUE IS       0.01145 AT (  570483.72,
3733912.79,     4.00,     4.00,    0.00)  DC
          4TH HIGHEST VALUE IS       0.01142 AT (  570533.72,
3733912.79,     3.88,     3.88,    0.00)  DC
          5TH HIGHEST VALUE IS       0.01142 AT (  570333.72,
3733912.79,     4.41,     4.41,    0.00)  DC
          6TH HIGHEST VALUE IS       0.01141 AT (  570468.32,
3733909.80,     4.03,     4.03,    0.00)  DC
          7TH HIGHEST VALUE IS       0.01136 AT (  570583.72,
3733912.79,     3.72,     3.72,    0.00)  DC
          8TH HIGHEST VALUE IS       0.01127 AT (  570283.72,
3733912.79,     4.54,     4.54,    0.00)  DC
          9TH HIGHEST VALUE IS       0.01127 AT (  570633.72,
3733912.79,     3.54,     3.54,    0.00)  DC
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         10TH HIGHEST VALUE IS       0.01124 AT (  570383.72,
3733962.79,     4.41,     4.41,    0.00)  DC
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*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
Y3ALL	1ST HIGHEST VALUE IS	0.01175 AT (570333.72, 3733912.79, 4.41, 4.41, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.01172 AT (570283.72, 3733912.79, 4.54, 4.54, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.01172 AT (570383.72, 3733912.79, 4.28, 4.28, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.01167 AT (570433.72, 3733912.79, 4.14, 4.14, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.01162 AT (570483.72, 3733912.79, 4.00, 4.00, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.01159 AT (570468.32, 3733909.80, 4.03, 4.03, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.01158 AT (570233.72, 3733912.79, 4.67, 4.67, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.01157 AT (570533.72, 3733912.79, 3.88, 3.88, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.01150 AT (570333.72, 3733962.79, 4.54, 4.54, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.01150 AT (570283.72, 3733962.79, 4.66, 4.66, 0.00)	DC	
Y4ALL	1ST HIGHEST VALUE IS	0.00761 AT (570383.72, 3733912.79, 4.28, 4.28, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00761 AT (570433.72, 3733912.79, 4.14, 4.14, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00760 AT (570483.72, 3733912.79, 4.00, 4.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00758 AT (570333.72, 3733912.79, 4.41, 4.41, 0.00)	DC	

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          5TH HIGHEST VALUE IS       0.00758 AT (  570533.72,
3733912.79,     3.88,     3.88,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00757 AT (  570468.32,
3733909.80,     4.03,     4.03,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00754 AT (  570583.72,
3733912.79,     3.72,     3.72,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00748 AT (  570283.72,
3733912.79,     4.54,     4.54,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00747 AT (  570633.72,
3733912.79,     3.54,     3.54,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00746 AT (  570383.72,
3733962.79,     4.41,     4.41,    0.00)  DC

Y1SBSTAL  1ST HIGHEST VALUE IS       0.00776 AT (  570205.94,
3733434.38,     3.77,     3.77,    0.00)  DC
          2ND HIGHEST VALUE IS       0.00527 AT (  570218.32,
3733409.80,     3.64,     3.64,    0.00)  DC
          3RD HIGHEST VALUE IS       0.00163 AT (  569968.32,
3733659.80,     5.02,     5.02,    0.00)  DC
          4TH HIGHEST VALUE IS       0.00097 AT (  570003.76,
3733432.37,     3.91,     3.91,    0.00)  DC
          5TH HIGHEST VALUE IS       0.00057 AT (  569925.98,
3733818.79,     5.55,     5.55,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00055 AT (  569875.98,
3733818.79,     5.76,     5.76,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00054 AT (  569975.98,
3733818.79,     5.35,     5.35,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00049 AT (  569825.98,
3733818.79,     5.99,     5.99,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00047 AT (  570025.98,
3733818.79,     5.16,     5.16,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00044 AT (  569875.98,
3733868.79,     5.79,     5.79,    0.00)  DC

Y1STAALL  1ST HIGHEST VALUE IS       0.00196 AT (  569675.98,
3733818.79,     6.69,     6.69,    0.00)  DC
          2ND HIGHEST VALUE IS       0.00196 AT (  569625.98,
3733818.79,     6.97,     6.97,    0.00)  DC
          3RD HIGHEST VALUE IS       0.00194 AT (  569725.98,
3733818.79,     6.45,     6.45,    0.00)  DC
          4TH HIGHEST VALUE IS       0.00190 AT (  569775.98,
3733818.79,     6.22,     6.22,    0.00)  DC
          5TH HIGHEST VALUE IS       0.00186 AT (  569825.98,
3733818.79,     5.99,     5.99,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00184 AT (  570533.72,
3733862.79,     3.72,     3.72,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00184 AT (  570583.72,
3733862.79,     3.50,     3.50,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00184 AT (  570483.72,
3733862.79,     3.87,     3.87,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00183 AT (  570633.72,
3733862.79,     3.34,     3.34,    0.00)  DC
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         10TH HIGHEST VALUE IS       0.00183 AT (  570683.72,
3733862.79,     3.18,     3.18,    0.00)  DC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
Y1WO_NER	1ST HIGHEST VALUE IS	0.02499 AT (569968.32, 3733659.80, 5.02, 5.02, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.02399 AT (569875.98, 3733818.79, 5.76, 5.76, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.02399 AT (569825.98, 3733818.79, 5.99, 5.99, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.02390 AT (569925.98, 3733818.79, 5.55, 5.55, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.02385 AT (569775.98, 3733818.79, 6.22, 6.22, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.02367 AT (569975.98, 3733818.79, 5.35, 5.35, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.02364 AT (569725.98, 3733818.79, 6.45, 6.45, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.02328 AT (569675.98, 3733818.79, 6.69, 6.69, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.02322 AT (570025.98, 3733818.79, 5.16, 5.16, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.02281 AT (569718.32, 3733659.80, 6.43, 6.43, 0.00)	DC	
Y2WO_NER	1ST HIGHEST VALUE IS	0.02235 AT (569968.32, 3733659.80, 5.02, 5.02, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.02162 AT (569718.32, 3733659.80, 6.43, 6.43, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.02049 AT (569825.98, 3733818.79, 5.99, 5.99, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.02045 AT (569875.98, 3733818.79, 5.76, 5.76, 0.00)	DC	

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          5TH HIGHEST VALUE IS       0.02039 AT (  569775.98,
3733818.79,     6.22,     6.22,    0.00)  DC
          6TH HIGHEST VALUE IS       0.02032 AT (  569925.98,
3733818.79,     5.55,     5.55,    0.00)  DC
          7TH HIGHEST VALUE IS       0.02022 AT (  569725.98,
3733818.79,     6.45,     6.45,    0.00)  DC
          8TH HIGHEST VALUE IS       0.02006 AT (  569975.98,
3733818.79,     5.35,     5.35,    0.00)  DC
          9TH HIGHEST VALUE IS       0.01989 AT (  569675.98,
3733818.79,     6.69,     6.69,    0.00)  DC
         10TH HIGHEST VALUE IS       0.01956 AT (  570025.98,
3733818.79,     5.16,     5.16,    0.00)  DC

Y3WO_NER  1ST HIGHEST VALUE IS       0.00642 AT (  569625.98,
3733918.79,     6.76,     6.76,    0.00)  DC
          2ND HIGHEST VALUE IS       0.00642 AT (  569675.98,
3733918.79,     6.52,     6.52,    0.00)  DC
          3RD HIGHEST VALUE IS       0.00639 AT (  569725.98,
3733918.79,     6.32,     6.32,    0.00)  DC
          4TH HIGHEST VALUE IS       0.00635 AT (  569775.98,
3733918.79,     6.13,     6.13,    0.00)  DC
          5TH HIGHEST VALUE IS       0.00635 AT (  569718.32,
3733909.80,     6.37,     6.37,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00630 AT (  569825.98,
3733918.79,     5.96,     5.96,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00629 AT (  569575.98,
3733918.79,     6.96,     6.96,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00623 AT (  569875.98,
3733918.79,     5.80,     5.80,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00614 AT (  569925.98,
3733918.79,     5.66,     5.66,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00606 AT (  569625.98,
3733968.79,     6.64,     6.64,    0.00)  DC

Y1GRADIN  1ST HIGHEST VALUE IS       0.00752 AT (  570218.32,
3733659.80,     4.13,     4.13,    0.00)  DC
          2ND HIGHEST VALUE IS       0.00748 AT (  569968.32,
3733659.80,     5.02,     5.02,    0.00)  DC
          3RD HIGHEST VALUE IS       0.00743 AT (  570183.72,
3733812.79,     4.58,     4.58,    0.00)  DC
          4TH HIGHEST VALUE IS       0.00741 AT (  570233.72,
3733812.79,     4.44,     4.44,    0.00)  DC
          5TH HIGHEST VALUE IS       0.00737 AT (  570133.72,
3733812.79,     4.74,     4.74,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00737 AT (  570283.72,
3733812.79,     4.31,     4.31,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00732 AT (  570333.72,
3733812.79,     4.15,     4.15,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00731 AT (  570125.98,
3733818.79,     4.78,     4.78,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00726 AT (  570383.72,
3733812.79,     4.02,     4.02,    0.00)  DC
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         10TH HIGHEST VALUE IS       0.00724 AT (  569975.98,
3733818.79,     5.35,     5.35,    0.00)  DC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
Y4ONALL	1ST HIGHEST VALUE IS	0.00760 AT (570383.72, 3733912.79, 4.28, 4.28, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00760 AT (570433.72, 3733912.79, 4.14, 4.14, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00758 AT (570483.72, 3733912.79, 4.00, 4.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00757 AT (570333.72, 3733912.79, 4.41, 4.41, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00756 AT (570533.72, 3733912.79, 3.88, 3.88, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00756 AT (570468.32, 3733909.80, 4.03, 4.03, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00752 AT (570583.72, 3733912.79, 3.72, 3.72, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00747 AT (570283.72, 3733912.79, 4.54, 4.54, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00746 AT (570633.72, 3733912.79, 3.54, 3.54, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00745 AT (570383.72, 3733962.79, 4.41, 4.41, 0.00)	DC	

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

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 *** AERMOD - VERSION 21112  ***   *** C:\Lakes
\Indio_Oasis_Construction-With-North-Receptors\Indio_Oasis_C ***
11/29/23
 *** AERMET - VERSION  16216 ***   ***
***        15:18:55

PAGE  13
 *** 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         1124 Informational Message(s)

 A Total of        43848 Hours Were Processed

 A Total of          595 Calm Hours Identified

 A Total of          529 Missing Hours Identified (  1.21
Percent)


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


    ********   WARNING MESSAGES   ********
 ME W340   47724       PRBASE: Possible Error in PROFBASE Input:
Value is < 0        PROFBASE
 ME W186   47725       MEOPEN: THRESH_1MIN 1-min ASOS wind speed
threshold used          0.50
 ME W187   47725       MEOPEN: ADJ_U* Option for Stable Low Winds
used in AERMET
```

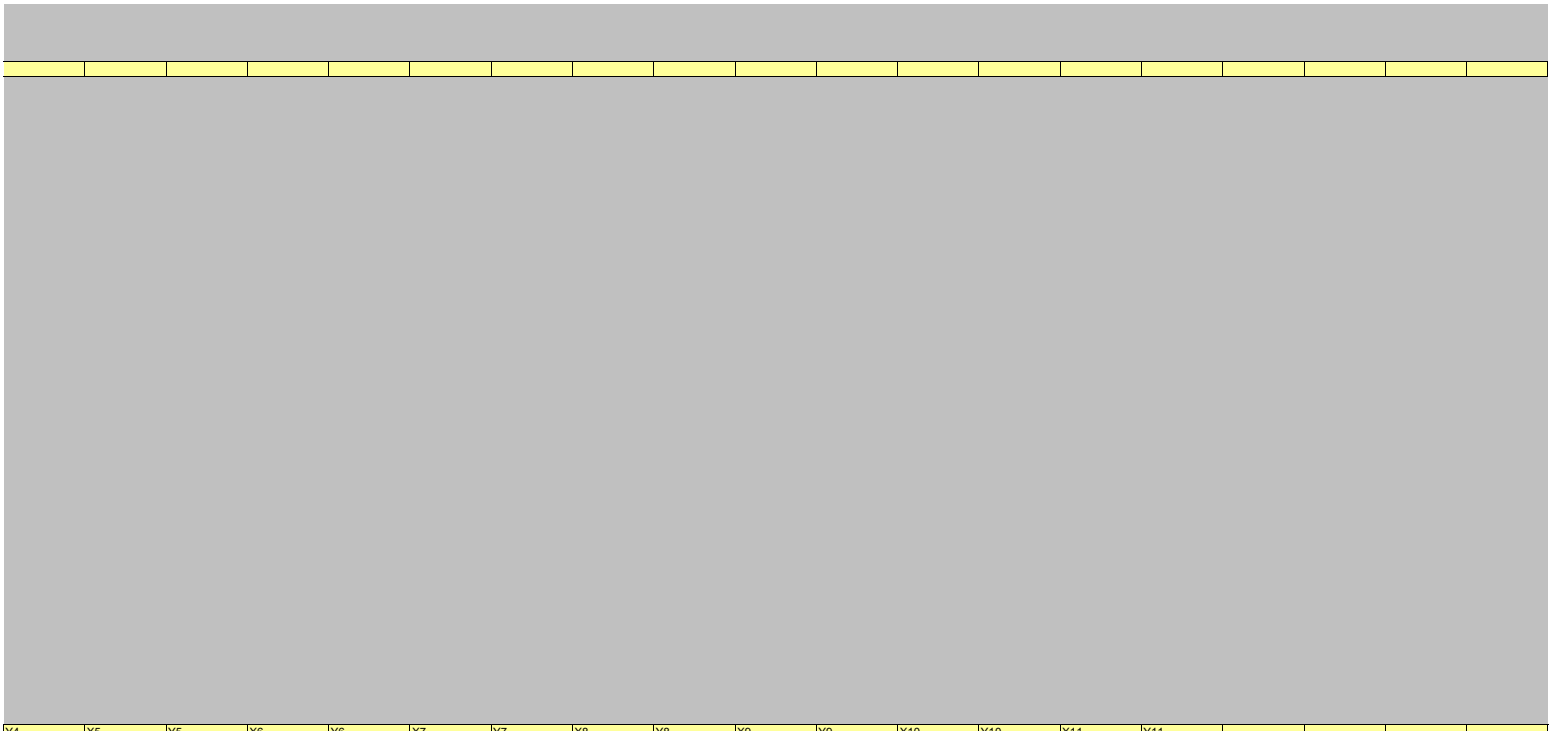
AERMOD View - Source Parameters
MS Excel - Lakes Format: Version 3.0
Supported Source Types: Point, Rectangular Area, Circular Area, Polygon Area, Volume, Open Pit, Line Volume, Line Area

Parameters	Units	Description
Type		POINT, AREA, AREA_CIRC, AREA_POLY, VOLUME, OPEN_PIT, LINE, LINE_VOLUME, LINE_AREA, BUOYLINE, RLINE, RLINEXT
ID		Source ID up to 12 characters
Desc		Optional description
SourceID_Prefix		Text prefix up to 4 characters long for generated LINE_VOLUME, RLINE, RLINEXT and LINE_AREA sources
Base_Elev	[m]	Source base elevation above mean sea level
Height	[m]	Release height above ground
Diam	[m]	Inner stack diameter (POINT) or circular area radius (AREA_CIRC)
Exit_Vel	[m/s]	Exit velocity (POINT only)
Exit_Temp	[K]	Exit temperature (POINT only)
Release Type		VERTICAL, HORIZONTAL, CAPPED (POINT only) - HORIZONTAL and CAPPED are non-default beta options
SigmaY	[m]	Initial sigma Y (VOLUME only)
SigmaZ	[m]	Initial sigma Z (AREA, AREA_CIRC, AREA_POLY, VOLUME, LINE, RLINE, RLINEXT and LINE_AREA only; optional for AREA, AREA_CIRC, AREA_POLY, and LINE)
Length_X	[m]	X side length (AREA, VOLUME, OPEN PIT, RLINE, RLINEXT, and LINE_AREA only; optional for VOLUME, will be used to calculate SigmaY)
Length_Y	[m]	Y side length (AREA and OPEN PIT only); width for LINE sources; DCL for RLINEXT sources
Rotation_Angle	[degrees]	Clockwise rotation from North of Y side (AREA and OPEN PIT only)
Pit_Volume	[m^3]	Volume of the open pit (OPEN PIT only)
Emission_Rate	[g/s or g/s/m2]	Emission rate (g/s for POINT, VOLUME, and LINE_VOLUME; g/s/m2 for AREA, AREA_CIRC, AREA_POLY, OPENPIT, LINE, RLINE, RLINEXT and LINE_AREA)
Configuration		LINE_VOLUME configuration: Separated, Adjacent or Separated2W
LineVolumeHeight	[m]	Plume Height or Building Height for LINE_VOLUME source
PlumeWidth	[m]	Plume width for LINE_VOLUME source
LineVolumeType		LINE_VOLUME type: None, Surface-Based, Elevated, Elevated Building
LineArea_Ratio1		Ratio 1 for LINE_AREA sources
Line_FPRIMEL =	[m**4/s**3]	Average buoyance parameter (BUOYLINE source only)
Line_L =	[m]	Building Length (BUOYLINE source only)
Line_HB =	[m]	Building Height (BUOYLINE source only)
Line_WB =	[m]	Building Width (BUOYLINE source only)
Line_WM =	[m]	Line Source Width (BUOYLINE source only)
Line_DX =	[m]	Separation between buildings (BUOYLINE source only)
Num_Coords		Number of coordinate pairs (POINT, AREA, AREA_CIRC, VOLUME, OPENPIT = 1; AREA_POLY >= 3; LINE = 2; LINE_AREA, LINE_VOLUME >= 2, RLINE/RLINEXT >= 2)
X1	[m]	X coordinate of source location [m]
Y1	[m]	Y coordinate of source location [m]
X2	[m]	Secondary X coordinate of source location [m] (AREA_POLY, LINE, LINE_VOLUME, LINE_AREA, RLINE, RLINEXT, BUOYLINE sources only)
Y2	[m]	Secondary Y coordinate of source location [m] (AREA_POLY, LINE, LINE_VOLUME, LINE_AREA, RLINE, RLINEXT, BUOYLINE sources only)
X3	[m]	Additional X coordinate of source location [m] (AREA_POLY, LINE_VOLUME, RLINE, RLINEXT, LINE_AREA only)
Y3	[m]	Additional Y coordinate of source location [m] (AREA_POLY, LINE_VOLUME, RLINE, RLINEXT, LINE_AREA only)
X4	[m]	Additional X coordinate of source location [m] (AREA_POLY, LINE_VOLUME, RLINE, RLINEXT, LINE_AREA only)
Y4	[m]	Additional Y coordinate of source location [m] (AREA_POLY, LINE_VOLUME, RLINE, RLINEXT, LINE_AREA only)
Base_Elev_m	[m]	Base Elevation for LINE_VOLUME, LINE_AREA, RLINE, RLINEXT Nodes
Rel_Height_m	[m]	Release height for LINE_VOLUME, LINE_AREA, RLINE, RLINEXT Nodes
Rbarrier	[m]	Barrier properties HW1, DW1, HW2, DW2 for RLINEXT sources
Rdepression	[m]	Depression properties Depth, Wtop, Wbottom for RLINEXT sources

NOTE: you may keep adding additional coordinate pairs for an AREA_POLY or LINE_VOLUME sources, be sure to add the headers as well (eg. X5, Y5, etc)

Type	ID	Desc	SourceID_Prefix	Base_Elev	Height	Diam	Exit_Vel	Exit_Temp	Release_Type	SigmaY	SigmaZ	Length_X	Length_Y	Rotation_Angle	Pit_Volume	Emission_Rate	Configuration	LineVolumeHeight
				[m]	[m]	[m]	[m/s]	[K]		[m]	[m]	[m]	[m]	[deg]	[m^3]			[m]
AREA_P	AREA1	06_NWRES_OnConYr1		6.9	5											8.14E-09		
AREA_P	AREA52	06_NWRES_OnConYr2		6.9	5						0					7.51E-09		
AREA_P	AREA53	06_NWRES_OnConYr3		6.9	5						0					3.79E-09		
AREA_P	AREA54	01MassGrading01		6.9	5						0					9.69797E-09		
AREA_P	AREA12	07_NERES_OnConYr3		5.2	5						0					6.93E-09		
AREA_P	AREA55	01MassGrading02		5.2	5						0					9.69797E-09		
AREA_P	AREA65	07_NERES_OnConYr1		5.2	5						0					5.51E-09		
AREA_P	AREA66	07_NERES_OnConYr2		5.2	5						0					6.93E-09		
AREA_P	AREA67	07_NERES_OnConYr4		5.2	5						0					4.61E-09		
AREA_P	AREA3	08_SERES_OnConYr1		2.71	5											0.000000016		
AREA_P	AREA8	08_SERES_OnConYr2		2.71	5						0					7.35E-09		
AREA_P	AREA56	01MassGrading03		3.54	5						0					9.69797E-09		
AREA_P	AREA4	04_SWI_SE_OnConYr1		4.46	5											9.28E-09		
AREA_P	AREA28	04_SWI_SE_OnConYr2		4.46	5						0					8.72E-09		
AREA_P	AREA60	01MassGrading07		4.42	5						0					9.69797E-09		
AREA_P	AREA5	05_SEI_SW_OnConYr1		4.44	5											7.14E-09		
AREA_P	AREA21	05_SEI_SE_OnConYr1		1.82	5						0					7.14E-09		
AREA_P	AREA22	05_SEI_NE_OnConYr1		1.82	5						0					7.14E-09		
AREA_P	AREA23	05_SEI_NW_OnConYr1		4.45	5						0					7.14E-09		
AREA_P	AREA10	05_SEI_SW_OnConYr2		4.44	5						0					6.52E-09		
AREA_P	AREA30	05_SEI_SE_OnConYr2		1.82	5						0					6.52E-09		
AREA_P	AREA31	05_SEI_NE_OnConYr2		1.82	5						0					6.52E-09		
AREA_P	AREA32	05_SEI_NW_OnConYr2		4.45	5						0					6.52E-09		
AREA_P	AREA57	01MassGrading04		1.82	5						0					9.69797E-09		
AREA_P	AREA58	01MassGrading05		1.82	5						0					9.69797E-09		
LINE_AF	ARLN1	06_NW_OffConYr1											20			1.19E-09		
LINE_AF	ARLN1																	
LINE_AF	ARLN1																	
LINE_AF	ARLN2	07_NERES_OffConYr1											20			1.59505E-09		
LINE_AF	ARLN2																	
LINE_AF	ARLN2																	
LINE_AF	ARLN3	08_SERES_OffConYr1											20			4.47E-10		
LINE_AF	ARLN3																	
LINE_AF	ARLN3																	
LINE_AF	ARLN4	04_SWI_OffConYr1											20			1.21E-09		
LINE_AF	ARLN4																	
LINE_AF	ARLN4																	
LINE_AF	ARLN5	05_SEI_OffConYr1											20			1.40179E-09		
LINE_AF	ARLN5																	
LINE_AF	ARLN5																	
LINE_AF	ARLN6	03_Substation_OffConYr1											20			7.84E-11		
LINE_AF	ARLN6																	
LINE_AF	ARLN6																	
LINE_AF	ARLN7	02_StA_OffConYr1											20			5.85E-10		
LINE_AF	ARLN7																	
LINE_AF	ARLN7																	
LINE_AF	ARLN8	06_NW_OffConYr2											20			1.31418E-09		
LINE_AF	ARLN8																	
LINE_AF	ARLN8																	
LINE_AF	ARLN9	07_NERES_OffConYr2											20			1.98157E-09		
LINE_AF	ARLN9																	
LINE_AF	ARLN9																	
LINE_AF	ARLN10	04_SWI_OffConYr2											20			1.20337E-09		
LINE_AF	ARLN10																	
LINE_AF	ARLN10																	
LINE_AF	ARLN11	05_SEI_OffConYr2											20			1.39664E-09		
LINE_AF	ARLN11																	
LINE_AF	ARLN11																	
LINE_AF	ARLN13	06_NW_OffConYr3											20			4.50943E-10		
LINE_AF	ARLN13																	
LINE_AF	ARLN13																	
LINE_AF	ARLN14	07_NERES_OffConYr3											20			1.88365E-09		
LINE_AF	ARLN14																	
LINE_AF	ARLN14																	
LINE_AF	ARLN17	07_NERES_OffConYr4											20			5.669E-10		
LINE_AF	ARLN17																	
LINE_AF	ARLN17																	
LINE_AF	ARLN21	01MassGrading_OffConYr1											20			7.96684E-11		
LINE_AF	ARLN21																	
LINE_AF	ARLN21																	
LINE_AF	ARLN23	03_Substation_OffConYr2											20			1.04619E-11		
LINE_AF	ARLN23																	
LINE_AF	ARLN23																	
LINE_AF	ARLN25	08_SERES_OffConYr2											20			1.73935E-10		
LINE_AF	ARLN25																	
LINE_AF	ARLN25																	
AREA_P	AREA29	04_SWI_NE_OnConYr2		4.75	5						0					8.72E-09		
AREA_P	AREA24	04_SWI_NE_OnConYr1		4.75	5						0					9.28E-09		
AREA_P	AREA59	01MassGrading06		4.73	5						0					9.69797E-09		
AREA_P	AREA25	04_SWI_SW_ConYr1		5.94	5											9.28E-09		
AREA_P	AREA27	04_SWI_SW_ConYr2		5.94	5						0					8.72E-09		
AREA_P	AREA26	04_SWI_NW_ConYr1		5.95	5											9.28E-09		
AREA_P	AREA49	04_SWI_NW_ConYr2		5.95	5						0					8.72E-09		
AREA_P	AREA46	03_Substation_OnConYr1		4.17	5											2.75E-08		
AREA_P	AREA64	03_Substation_OnConYr2		4.17	5						0					5.69E-09		
AREA_P	AREA47	02_StreetA_OnConYr1		7.14	5											4.07E-08		

PlumeWidth	LineVolumeType	LineArea_Ratio1	Line_FPRIMEL	Line_L	Line_HB	Line_WB	Line_WM	Line_DX	Num_Coords	X1	Y1	X2	Y2	X3	Y3	X4
[m]										[m]	[m]	[m]	[m]	[m]	[m]	[m]
									5	569453.08	3733836.72	569457.14	3733815.93	570124.54	3733819.75	570125.76
									5	569453.08	3733836.72	569457.14	3733815.93	570124.54	3733819.75	570125.76
									5	569453.08	3733836.72	569457.14	3733815.93	570124.54	3733819.75	570125.76
									5	569453.08	3733836.72	569459.61	3733791.21	570124.54	3733795.03	570125.76
									4	570124.35	3734010.44	570123.96	3733820.20	570936.95	3733817.45	570937.39
									4	570124.35	3734010.44	570125.01	3733792.88	570746.61	3733791.05	570750.41
									4	570124.35	3734010.44	570123.96	3733820.20	570936.95	3733817.45	570937.39
									4	570124.35	3734010.44	570123.96	3733820.20	570936.95	3733817.45	570937.39
									4	570124.35	3734010.44	570123.96	3733820.20	570936.95	3733817.45	570937.39
									7	570744.88	3733801.22	570742.34	3733560.26	570798.78	3733581.18	570921.16
									7	570744.88	3733801.22	570742.34	3733560.26	570798.78	3733581.18	570921.16
									7	570748.03	3734009.22	570742.34	3733560.26	570798.78	3733581.18	570921.16
									7	570123.71	3733657.51	570128.18	3733503.61	570049.70	3733500.51	570047.63
									7	570123.71	3733657.51	570128.18	3733503.61	570049.70	3733500.51	570047.63
									8	570126.38	3733641.44	570128.18	3733431.28	569984.15	3733433.14	569803.25
									7	570126.22	3733654.76	570124.85	3733500.24	570200.33	3733502.87	570201.21
									6	570743.79	3733649.11	570743.34	3733553.51	570588.91	3733507.88	570386.43
									4	570743.79	3733649.11	570385.27	3733650.71	570383.70	3733795.90	570740.06
									4	570125.10	3733655.82	570385.93	3733649.59	570383.78	3733793.87	570125.24
									7	570126.22	3733654.76	570124.85	3733500.24	570200.33	3733502.87	570201.21
									6	570743.79	3733649.11	570743.34	3733553.51	570588.91	3733507.88	570386.43
									4	570743.79	3733649.11	570385.27	3733650.71	570383.70	3733795.90	570740.06
									4	570125.10	3733655.82	570385.93	3733649.59	570383.78	3733793.87	570125.24
									4	570743.79	3733649.11	570123.70	3733642.30	570124.23	3733795.90	570740.06
									6	570743.79	3733649.11	570743.34	3733553.51	570588.91	3733507.88	570203.64
		10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10
									Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12
									Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85
		10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10
									Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12
									Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85
		10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10
									Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12
									Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85
		10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10
									Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12
									Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85
		10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10
									Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12
									Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85
		10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10
									Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12
									Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85
		10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10
									Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12
									Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85
		10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10
									Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12
									Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85
		10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10
									Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12
									Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85
		10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10
									Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12
									Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85
		10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10
									Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12
									Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85
		10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10
									Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12
									Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85
		10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10
									Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12
									Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85
		10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10
									Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12
									Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85
		10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10
									Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12
									Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85
									4	570122.56	3733801.52	570122.56	3733661.84	569803.44	3733659.07	569801.59
									4	570122.56	3733801.52	570122.56	3733661.84	569803.44	3733659.07	569801.59
									5	570123.45	3733793.48	570126.13	3733642.20	569514.13	3733644.78	569484.58
									6	569803.44	3733660.92	569503.74	3733669.24	569530.57	3733609.12	569593.47
									6	569803.44	3733660.92	569503.74	3733669.24	569530.57	3733609.12	569593.47
									9	569802.51	3733664.57	569801.59	3733798.70	569548.81	3733792.48	569547.22
									9	569802.51	3733664.57	569801.59	3733798.70	569548.81	3733792.48	569547.22
									4	570049.39	3733502.08	570052.07	3733432.96	570203.12	3733435.04	570199.26
									4	570049.39	3733502.08	570052.07	3733432.96	570203.12	3733435.04	570199.26
									9	569551.77	3733824.40	569539.20	3733809.42	569545.00	3733790.57	569572.55



Y4	X5	Y5	X6	Y6	X7	Y7	X8	Y8	X9	Y9	X10	Y10	X11	Y11				
[m]																		
3734009.61	569459.50	3734009.95																
3734009.61	569459.50	3734009.95																
3734009.61	569459.50	3734009.95																
3734009.61	569459.50	3734009.95																
3734009.61																		
3734005.71																		
3734009.61																		
3734009.61																		
3734009.61																		
3733662.98	570930.67	3733671.86	570928.13	3733800.59	570746.78	3733801.22												
3733662.98	570930.67	3733671.86	570928.13	3733800.59	570746.78	3733801.22												
3733662.98	570930.67	3733671.86	570930.23	3734004.38	570846.58	3734010.27												
3733435.46	570003.23	3733433.39	569796.70	3733456.11	569804.25	3733658.19												
3733435.46	570003.23	3733433.39	569796.70	3733456.11	569804.25	3733658.19												
3733453.19	569634.21	3733491.71	569592.49	3733530.72	569531.51	3733604.34	569514.94	3733643.90										
3733438.80	570386.43	3733463.37	570386.61	3733559.34	570385.27	3733650.71												
3733463.37	570386.61	3733559.34	570385.27	3733650.71														
3733794.64																		
3733797.60																		
3733438.80	570386.43	3733463.37	570386.61	3733559.34	570385.27	3733650.71												
3733463.37	570386.61	3733559.34	570385.27	3733650.71														
3733794.64																		
3733797.60																		
3733794.64																		
3733435.01	570127.13	3733434.33	570126.85	3733640.20														
3733509.71	570403.57	3733437.22	570203.37	3733407.48	569983.78	3733409.05	569757.81	3733437.24	569603.57	3733471.18	569379.62	3733547.30	569270.48	3733596.16				
4.12	4.12	4.12	4.12															
5.51	6.24	7.29	8.09															
3733509.71	570403.57	3733437.22	570203.37	3733407.48	569983.78	3733409.05	569757.81	3733437.24	569603.57	3733471.18	569379.62	3733547.30	569270.48	3733596.16				
4.12	4.12	4.12	4.12															
5.51	6.24	7.29	8.09															
3733509.71	570403.57	3733437.22	570203.37	3733407.48	569983.78	3733409.05	569757.81	3733437.24	569603.57	3733471.18	569379.62	3733547.30	569270.48	3733596.16				
4.12	4.12	4.12	4.12															
5.51	6.24	7.29	8.09															
3733509.71	570403.57	3733437.22	570203.37	3733407.48	569983.78	3733409.05	569757.81	3733437.24	569603.57	3733471.18	569379.62	3733547.30	569270.48	3733596.16				
4.12	4.12	4.12	4.12															
5.51	6.24	7.29	8.09															
3733509.71	570403.57	3733437.22	570203.37	3733407.48	569983.78	3733409.05	569757.81	3733437.24	569603.57	3733471.18	569379.62	3733547.30	569270.48	3733596.16				
4.12	4.12	4.12	4.12															
5.51	6.24	7.29	8.09															
3733509.71	570403.57	3733437.22	570203.37	3733407.48	569983.78	3733409.05	569757.81	3733437.24	569603.57	3733471.18	569379.62	3733547.30	569270.48	3733596.16				
4.12	4.12	4.12	4.12															
5.51	6.24	7.29	8.09															
3733509.71	570403.57	3733437.22	570203.37	3733407.48	569983.78	3733409.05	569757.81	3733437.24	569603.57	3733471.18	569379.62	3733547.30	569270.48	3733596.16				
4.12	4.12	4.12	4.12															
5.51	6.24	7.29	8.09															
3733509.71	570403.57	3733437.22	570203.37	3733407.48	569983.78	3733409.05	569757.81	3733437.24	569603.57	3733471.18	569379.62	3733547.30	569270.48	3733596.16				
4.12	4.12	4.12	4.12															
5.51	6.24	7.29	8.09															
3733509.71	570403.57	3733437.22	570203.37	3733407.48	569983.78	3733409.05	569757.81	3733437.24	569603.57	3733471.18	569379.62	3733547.30	569270.48	3733596.16				
4.12	4.12	4.12	4.12															
5.51	6.24	7.29	8.09															
3733509.71	570403.57	3733437.22	570203.37	3733407.48	569983.78	3733409.05	569757.81	3733437.24	569603.57	3733471.18	569379.62	3733547.30	569270.48	3733596.16				
4.12	4.12	4.12	4.12															
5.51	6.24	7.29	8.09															
3733509.71	570403.57	3733437.22	570203.37	3733407.48	569983.78	3733409.05	569757.81	3733437.24	569603.57	3733471.18	569379.62	3733547.30	569270.48	3733596.16				
4.12	4.12	4.12	4.12															
5.51	6.24	7.29	8.09															
3733509.71	570403.57	3733437.22	570203.37	3733407.48	569983.78	3733409.05	569757.81	3733437.24	569603.57	3733471.18	569379.62	3733547.30	569270.48	3733596.16				
4.12	4.12	4.12	4.12															
5.51	6.24	7.29	8.09															
3733509.71	570403.57	3733437.22	570203.37	3733407.48	569983.78	3733409.05	569757.81	3733437.24	569603.57	3733471.18	569379.62	3733547.30	569270.48	3733596.16				
4.12	4.12	4.12	4.12															
5.51	6.24	7.29	8.09															
3733509.71	570403.57	3733437.22	570203.37	3733407.48	569983.78	3733409.05	569757.81	3733437.24	569603.57	3733471.18	569379.62	3733547.30	569270.48	3733596.16				
4.12	4.12	4.12	4.12															
5.51	6.24	7.29	8.09															
3733799.67																		
3733799.67																		
3733710.31	569464.96	3733788.95																
3733530.50	569635.09	3733489.80	569796.96	3733453.72														
3733530.50	569635.09	3733489.80	569796.96	3733453.72														
3733817.85	569457.82	3733815.54	569477.83	3733717.30	569502.81	3733670.12	569803.44	3733661.80	569801.82	3733665.61								
3733817.85	569457.82	3733815.54	569477.83	3733717.30	569502.81	3733670.12	569803.44	3733661.80	569801.82	3733665.61								
3733503.30																		
3733503.30																		
3733792.02	570160.77	3733796.11	570931.29	3733791.88	570931.56	3733820.61	570141.71	3733820.04	569571.35	3733818.33								

PROJECT TITLE:

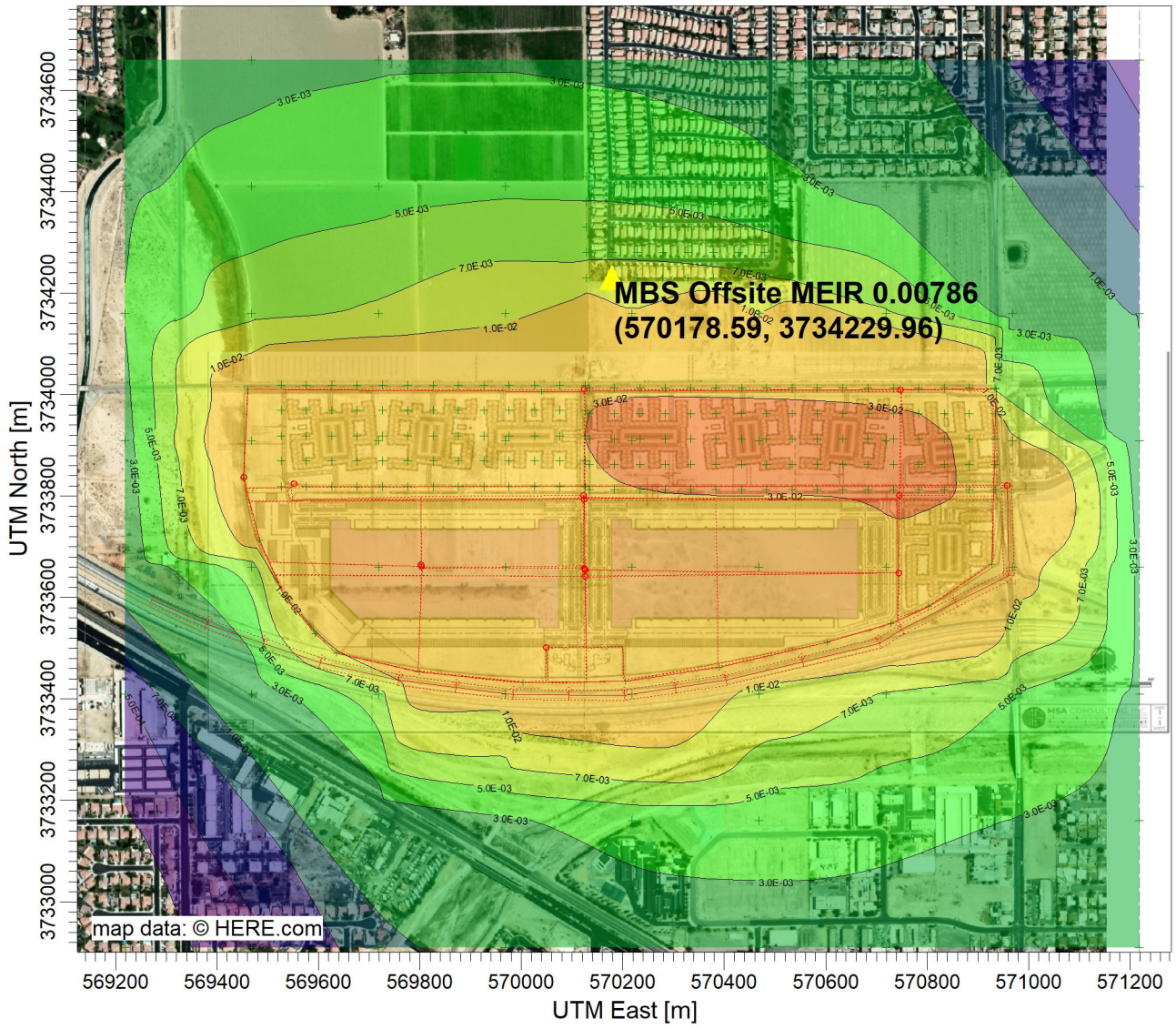
Indio_Oasis_MBS_UnmitigatedConstruction



COMMENTS: Maximum Buildout Scenario Unmitigated Construction - Sources	SOURCES: **60**	COMPANY NAME: **MIG**	
	RECEPTORS: **283**	MODELER: **K. Kitowski**	
		SCALE: 1:12,627 0 0.4 km	
		DATE: **12/5/2023**	PROJECT NO.: **Oasis at Indio**

PROJECT TITLE:

C:\Lakes\Indio_Oasis_Construction-With-North-Receptors\Indio_Oasis_C



PLOT FILE OF PERIOD VALUES AVERAGED ACROSS 0 YEARS FOR SOURCE GROUP: Y1ALL ug/m^3

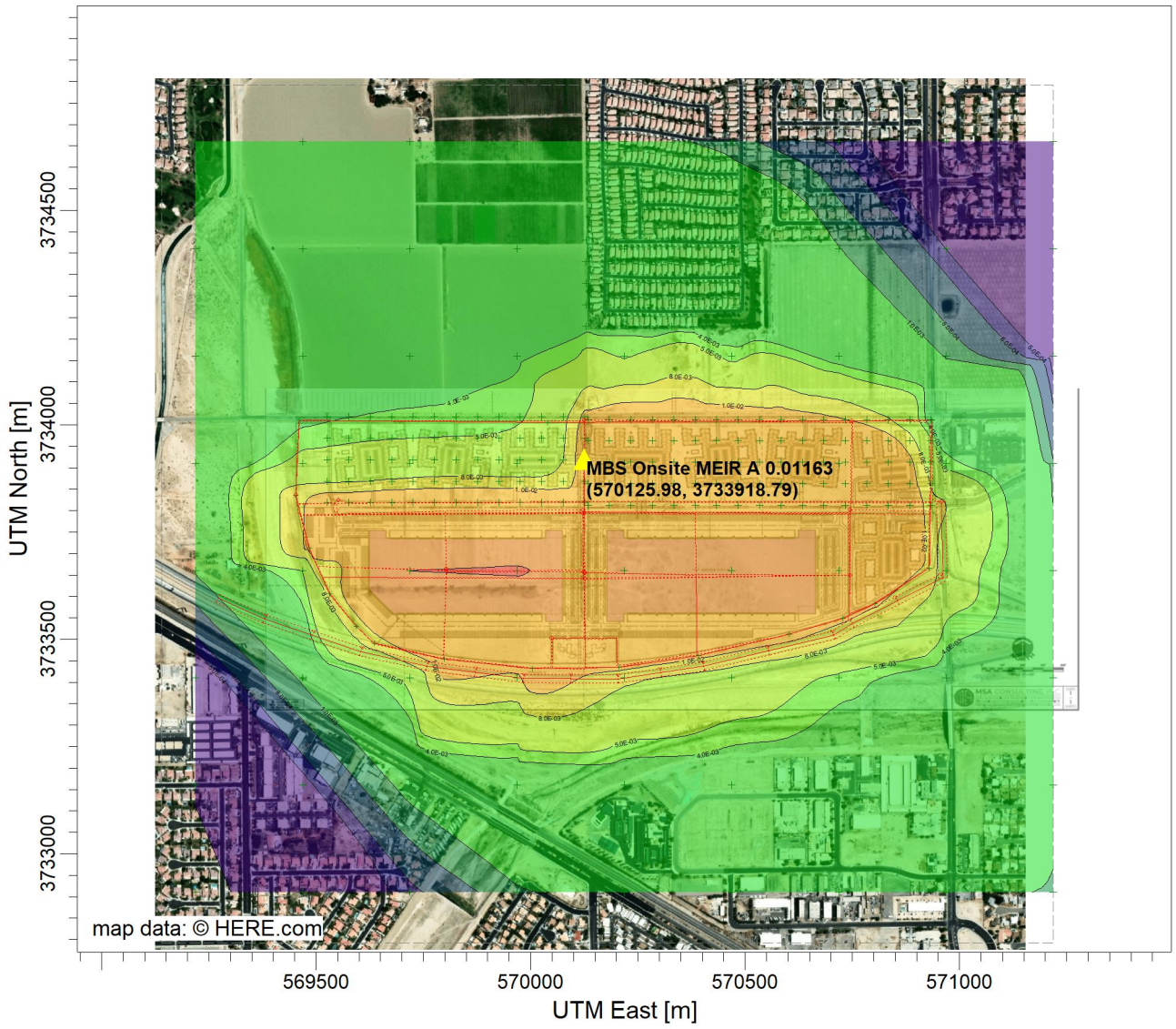
Max: 3.7E-02 [ug/m^3] at (570333.72, 3733912.79)

3.6E-04 5.0E-04 7.0E-04 1.0E-03 3.0E-03 5.0E-03 7.0E-03 1.0E-02 3.0E-02 3.7E-02

COMMENTS: Maximum Buildout Scenario Mitigated Construction	SOURCES: **52**	COMPANY NAME: **MIG**	
	RECEPTORS: **283**	MODELER: **K. Kitowski**	
	OUTPUT TYPE: **Concentration**	SCALE: 1:13,568 0 0.5 km	
	MAX: **3.7E-02 ug/m^3**	DATE: **12/5/2023**	PROJECT NO.: **Oasis at Indio**

PROJECT TITLE:

C:\Lakes\Indio_Oasis_Construction-With-North-Receptors\Indio_Oasis_C



PLOT FILE OF PERIOD VALUES AVERAGED ACROSS 0 YEARS FOR SOURCE GROUP: Y2WO_NWR ug/m^3

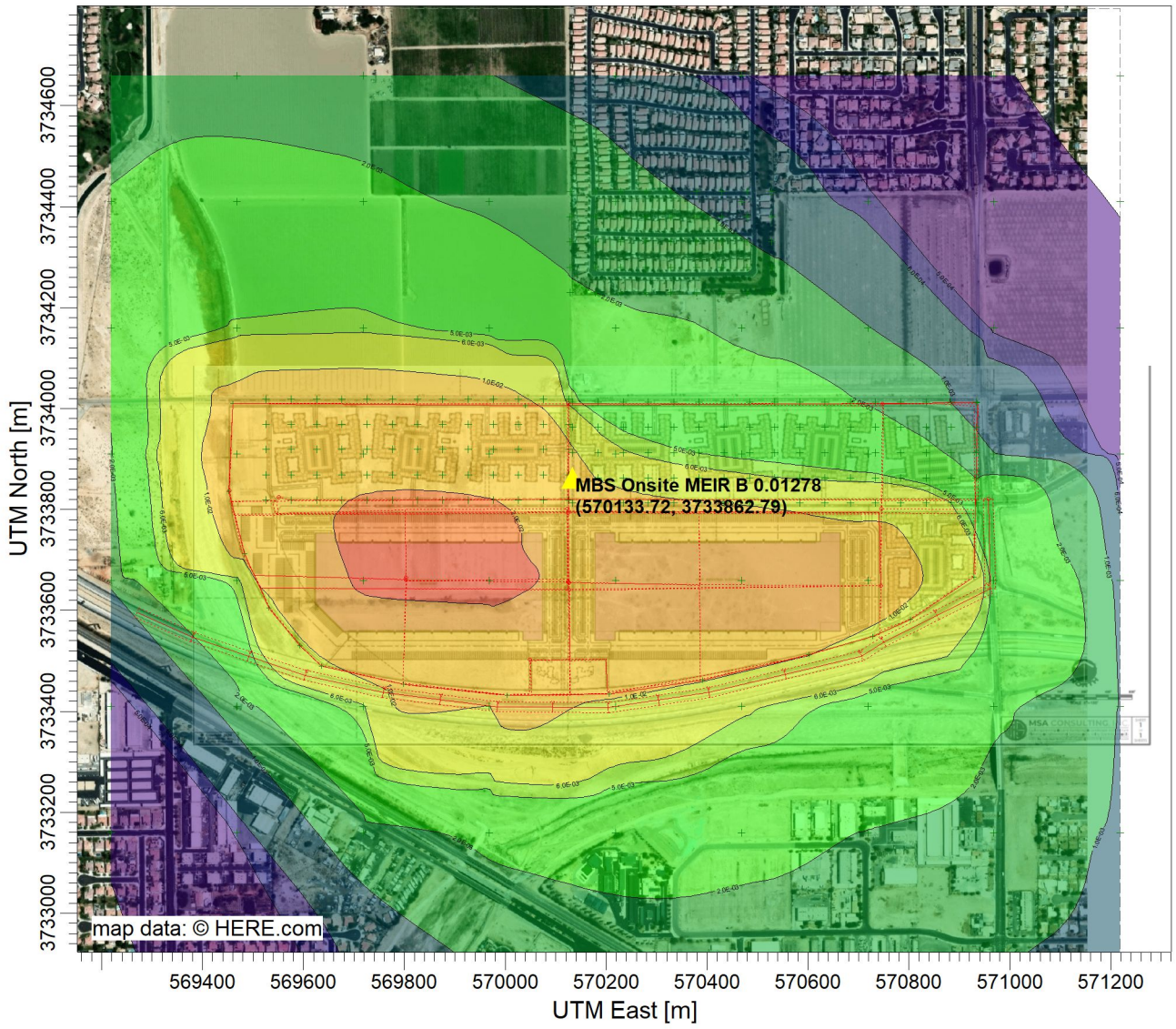
Max: 2.1E-02 [ug/m^3] at (569968.32, 3733659.80)

2.0E-04 5.0E-04 6.0E-04 8.0E-04 1.0E-03 4.0E-03 5.0E-03 8.0E-03 1.0E-02 2.0E-02 2.1E-02

COMMENTS: Maximum Buildout Scenario Mitigated Construction	SOURCES: **52**	COMPANY NAME: **MIG**	
	RECEPTORS: **283**	MODELER: **K. Kitowski**	
	OUTPUT TYPE: **Concentration**	SCALE: 1:16,045 0 0.5 km	
	MAX: **2.1E-02 ug/m^3**	DATE: **12/5/2023**	PROJECT NO.: **Oasis at Indio**

PROJECT TITLE:

C:\Lakes\Indio_Oasis_Construction-With-North-Receptors\Indio_Oasis_C



PLOT FILE OF PERIOD VALUES AVERAGED ACROSS 0 YEARS FOR SOURCE GROUP: Y2WO_NER ug/m^3

Max: 2.2E-02 [ug/m^3] at (569968.32, 3733659.80)

2.2E-04 5.0E-04 6.0E-04 1.0E-03 2.0E-03 5.0E-03 6.0E-03 1.0E-02 2.0E-02 2.2E-02

COMMENTS: Maximum Buildout Scenario Mitigated Construction	SOURCES: **52**	COMPANY NAME: **MIG**	
	RECEPTORS: **283**	MODELER: **K. Kitowski**	
	OUTPUT TYPE: **Concentration**	SCALE: 1:13,639 0 0.5 km	
	MAX: **2.2E-02 ug/m^3**	DATE: **12/5/2023**	PROJECT NO.: **Oasis at Indio**

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AERMOD Summary Files: Maximum Buildout Scenario Unmitigated Operations

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```
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\Indio Oasis
Operational\Indio Oasis Operational.isc         ***
09/06/23
 *** AERMET - VERSION  16216 ***   ***
***        16:48:47

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

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

 **Model Is Setup For Calculation of Average CONCentration
Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses URBAN Dispersion Algorithm for the SBL for   250
Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =   2418185.0 ;  Urban Roughness Length =
1.000 m

 **Model Uses Regulatory DEFAULT Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Urban Roughness Length of 1.0 Meter Assumed.

 **Other Options Specified:
        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:  PM_10

 **Model Calculates PERIOD Averages Only

 **This Run Includes:    250 Source(s);       7 Source Group(s);
and     283 Receptor(s)
```

```
                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:    137 VOLUME source(s)
                 and:    113 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with a total
of     0 line(s)


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

 **The AERMET Input Meteorological Data Version Date:  16216

 **Output Options Selected:
          Model Outputs Tables of PERIOD Averages by Receptor
          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)
=   -36.00 ;  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 =      3.9 MB of
RAM.

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

 **Detailed Error/Message File:   Indio Oasis Operational.err
 **File for Summary of Results:   Indio Oasis Operational.sum
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING *** (1=YES; 0=NO)

```
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***

(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

Surface file: C:\Users\sjremote\Desktop\FORINDIO\KTRM_v9.SFC Met Version: 16216
Profile file: C:\Users\sjremote\Desktop\FORINDIO\KTRM_v9.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 3104 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2012 Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
12	01	01	1	01	-7.8	0.118	-9.000	-9.000	-999.	98.	19.4	0.08	1.91	1.00	1.59	77.	10.1	278.8	2.0
12	01	01	1	02	-15.8	0.171	-9.000	-9.000	-999.	169.	32.1	0.08	1.91	1.00	2.23	288.	10.1	277.5	2.0
12	01	01	1	03	-16.9	0.177	-9.000	-9.000	-999.	178.	34.3	0.08	1.91	1.00	2.30	325.	10.1	278.8	2.0
12	01	01	1	04	-3.0	0.076	-9.000	-9.000	-999.	56.	13.4	0.08	1.91	1.00	0.94	321.	10.1	275.4	2.0
12	01	01	1	05	-4.7	0.092	-9.000	-9.000	-999.	67.	15.0	0.08	1.91	1.00	1.23	342.	10.1	274.2	2.0
12	01	01	1	06	-10.7	0.139	-9.000	-9.000	-999.	124.	22.8	0.08	1.91	1.00	1.84	309.	10.1	274.9	2.0
12	01	01	1	07	-18.8	0.186	-9.000	-9.000	-999.	193.	38.2	0.08	1.91	1.00	2.42	338.	10.1	277.0	2.0
12	01	01	1	08	-11.5	0.179	-9.000	-9.000	-999.	182.	45.7	0.08	1.91	0.49	2.30	343.	10.1	282.5	2.0
12	01	01	1	09	44.9	0.190	0.372	0.007	42.	198.	-13.9	0.08	1.91	0.30	1.86	334.	10.1	288.8	2.0
12	01	01	1	10	109.3	0.237	0.720	0.006	125.	278.	-11.2	0.08	1.91	0.23	2.27	333.	10.1	293.8	2.0
12	01	01	1	11	153.1	0.246	1.122	0.005	338.	293.	-8.9	0.08	1.91	0.21	2.28	348.	10.1	297.0	2.0
12	01	01	1	12	173.2	0.204	1.424	0.005	612.	222.	-4.5								

```
0.08   1.91   0.20    1.72  322.   10.1  298.8    2.0
 12 01 01   1 13  169.9  0.156  1.670  0.005 1005.  148.     -2.0
0.08   1.91   0.20    1.14  351.   10.1  300.4    2.0
 12 01 01   1 14  142.4  0.144  1.714  0.005 1296.  131.     -1.9
0.08   1.91   0.22    1.04  329.   10.1  300.9    2.0
 12 01 01   1 15   92.8  0.142  1.542  0.005 1447.  129.     -2.8
0.08   1.91   0.25    1.11  316.   10.1  301.4    2.0
 12 01 01   1 16   24.5  0.122  0.995  0.005 1469.  102.     -6.8
0.08   1.91   0.35    1.09  301.   10.1  300.4    2.0
 12 01 01   1 17   -3.0  0.077 -9.000 -9.000 -999.   51.     13.7
0.08   1.91   0.65    0.99  209.   10.1  292.0    2.0
 12 01 01   1 18  -11.9  0.149 -9.000 -9.000 -999.  138.     25.2
0.08   1.91   1.00    1.96  149.   10.1  286.4    2.0
 12 01 01   1 19   -6.4  0.107 -9.000 -9.000 -999.   85.     17.7
0.08   1.91   1.00    1.45   31.   10.1  284.9    2.0
 12 01 01   1 20  -15.7  0.171 -9.000 -9.000 -999.  169.     32.1
0.08   1.91   1.00    2.23  327.   10.1  283.1    2.0
 12 01 01   1 21   -8.3  0.122 -9.000 -9.000 -999.  103.     20.2
0.08   1.91   1.00    1.64  347.   10.1  282.0    2.0
 12 01 01   1 22   -7.9  0.119 -9.000 -9.000 -999.   99.     19.6
0.08   1.91   1.00    1.60  316.   10.1  279.2    2.0
 12 01 01   1 23   -5.3  0.097 -9.000 -9.000 -999.   73.     15.9
0.08   1.91   1.00    1.31  325.   10.1  278.1    2.0
 12 01 01   1 24   -9.4  0.130 -9.000 -9.000 -999.  113.     21.5
0.08   1.91   1.00    1.74  304.   10.1  278.8    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW
sigmaV
 12 01 01 01   10.1 1   77.    1.59   278.8
99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
OP_B1ALL	1ST HIGHEST VALUE IS	0.01705	AT (569968.32, 3733409.80, 3.96, 3.96, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.01685	AT (569718.32, 3733409.80, 5.71, 5.71, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00661	AT (569798.77, 3733453.54, 5.25, 5.25, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00650	AT (570003.76, 3733432.37, 3.91, 3.91, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00596	AT (569635.26, 3733489.98, 6.29, 6.29, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00492	AT (569593.31, 3733529.66, 6.40, 6.40, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00369	AT (569531.03, 3733605.38, 6.61, 6.61, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00364	AT (569718.32, 3733659.80, 6.43, 6.43, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00356	AT (570218.32, 3733409.80, 3.64, 3.64, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00334	AT (570205.94, 3733434.38, 3.77, 3.77, 0.00)	DC	
OP_B2ALL	1ST HIGHEST VALUE IS	0.05064	AT (569718.32, 3733409.80, 5.71, 5.71, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.04801	AT (569968.32, 3733409.80, 3.96, 3.96, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.01491	AT (570468.32, 3733409.80, 1.57, 1.57, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.01174	AT (570390.58, 3733461.97, 2.49, 2.49, 0.00)	DC	

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          5TH HIGHEST VALUE IS       0.01077 AT (  570718.32,
3733409.80,     0.97,     0.97,    0.00)  DC
          6TH HIGHEST VALUE IS       0.01077 AT (  570727.67,
3733549.01,     1.31,     1.31,    0.00)  DC
          7TH HIGHEST VALUE IS       0.01054 AT (  570218.32,
3733409.80,     3.64,     3.64,    0.00)  DC
          8TH HIGHEST VALUE IS       0.01019 AT (  570602.35,
3733512.22,     1.80,     1.80,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00938 AT (  570718.32,
3733659.80,     2.01,     2.01,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00937 AT (  570205.94,
3733434.38,     3.77,     3.77,    0.00)  DC

OP_B1ON   1ST HIGHEST VALUE IS       0.00499 AT (  569798.77,
3733453.54,     5.25,     5.25,    0.00)  DC
          2ND HIGHEST VALUE IS       0.00496 AT (  570003.76,
3733432.37,     3.91,     3.91,    0.00)  DC
          3RD HIGHEST VALUE IS       0.00448 AT (  569635.26,
3733489.98,     6.29,     6.29,    0.00)  DC
          4TH HIGHEST VALUE IS       0.00429 AT (  569968.32,
3733409.80,     3.96,     3.96,    0.00)  DC
          5TH HIGHEST VALUE IS       0.00412 AT (  569593.31,
3733529.66,     6.40,     6.40,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00341 AT (  569718.32,
3733659.80,     6.43,     6.43,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00329 AT (  569718.32,
3733409.80,     5.71,     5.71,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00329 AT (  569531.03,
3733605.38,     6.61,     6.61,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00311 AT (  569968.32,
3733659.80,     5.02,     5.02,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00266 AT (  569483.57,
3733712.93,     6.82,     6.82,    0.00)  DC

OP_B1OFF  1ST HIGHEST VALUE IS       0.01356 AT (  569718.32,
3733409.80,     5.71,     5.71,    0.00)  DC
          2ND HIGHEST VALUE IS       0.01276 AT (  569968.32,
3733409.80,     3.96,     3.96,    0.00)  DC
          3RD HIGHEST VALUE IS       0.00253 AT (  570468.32,
3733409.80,     1.57,     1.57,    0.00)  DC
          4TH HIGHEST VALUE IS       0.00186 AT (  570718.32,
3733409.80,     0.97,     0.97,    0.00)  DC
          5TH HIGHEST VALUE IS       0.00178 AT (  570968.32,
3733659.80,     1.33,     1.33,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00162 AT (  569798.77,
3733453.54,     5.25,     5.25,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00162 AT (  569468.32,
3733409.80,     6.82,     6.82,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00161 AT (  570218.32,
3733409.80,     3.64,     3.64,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00155 AT (  570003.76,
3733432.37,     3.91,     3.91,    0.00)  DC
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         10TH HIGHEST VALUE IS       0.00154 AT (  570968.32,
3733409.80,    -1.04,    -1.04,    0.00)  DC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
OP_B2ON	1ST HIGHEST VALUE IS	0.00825 AT (570718.32, 3733659.80, 2.01, 2.01, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00777 AT (570390.58, 3733461.97, 2.49, 2.49, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00775 AT (570727.67, 3733549.01, 1.31, 1.31, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00668 AT (570602.35, 3733512.22, 1.80, 1.80, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00588 AT (570468.32, 3733659.80, 3.13, 3.13, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00556 AT (570218.32, 3733659.80, 4.13, 4.13, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00552 AT (570468.32, 3733409.80, 1.57, 1.57, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00495 AT (570383.72, 3733812.79, 4.02, 4.02, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00493 AT (570433.72, 3733812.79, 3.88, 3.88, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00492 AT (570205.94, 3733434.38, 3.77, 3.77, 0.00)	DC	
OP_B2OFF	1ST HIGHEST VALUE IS	0.05040 AT (569718.32, 3733409.80, 5.71, 5.71, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.04744 AT (569968.32, 3733409.80, 3.96, 3.96, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00939 AT (570468.32, 3733409.80, 1.57, 1.57, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00691 AT (570718.32, 3733409.80, 0.97, 0.97, 0.00)	DC	

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          5TH HIGHEST VALUE IS       0.00654 AT (  570968.32,
3733659.80,     1.33,     1.33,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00602 AT (  569798.77,
3733453.54,     5.25,     5.25,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00602 AT (  569468.32,
3733409.80,     6.82,     6.82,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00599 AT (  570218.32,
3733409.80,     3.64,     3.64,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00575 AT (  570003.76,
3733432.37,     3.91,     3.91,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00567 AT (  570968.32,
3733409.80,    -1.04,    -1.04,    0.00)  DC

OP_ALL    1ST HIGHEST VALUE IS       0.06749 AT (  569718.32,
3733409.80,     5.71,     5.71,    0.00)  DC
          2ND HIGHEST VALUE IS       0.06506 AT (  569968.32,
3733409.80,     3.96,     3.96,    0.00)  DC
          3RD HIGHEST VALUE IS       0.01818 AT (  570468.32,
3733409.80,     1.57,     1.57,    0.00)  DC
          4TH HIGHEST VALUE IS       0.01410 AT (  570218.32,
3733409.80,     3.64,     3.64,    0.00)  DC
          5TH HIGHEST VALUE IS       0.01372 AT (  570390.58,
3733461.97,     2.49,     2.49,    0.00)  DC
          6TH HIGHEST VALUE IS       0.01311 AT (  570718.32,
3733409.80,     0.97,     0.97,    0.00)  DC
          7TH HIGHEST VALUE IS       0.01297 AT (  570003.76,
3733432.37,     3.91,     3.91,    0.00)  DC
          8TH HIGHEST VALUE IS       0.01293 AT (  569798.77,
3733453.54,     5.25,     5.25,    0.00)  DC
          9TH HIGHEST VALUE IS       0.01271 AT (  570205.94,
3733434.38,     3.77,     3.77,    0.00)  DC
         10TH HIGHEST VALUE IS       0.01213 AT (  570727.67,
3733549.01,     1.31,     1.31,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
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```
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\Indio Oasis
Operational\Indio Oasis Operational.isc         ***
09/06/23
 *** AERMET - VERSION  16216 ***   ***
***        16:48:47

PAGE   6
 *** 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         1124 Informational Message(s)

 A Total of        43848 Hours Were Processed

 A Total of          595 Calm Hours Identified

 A Total of          529 Missing Hours Identified (  1.21
Percent)


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

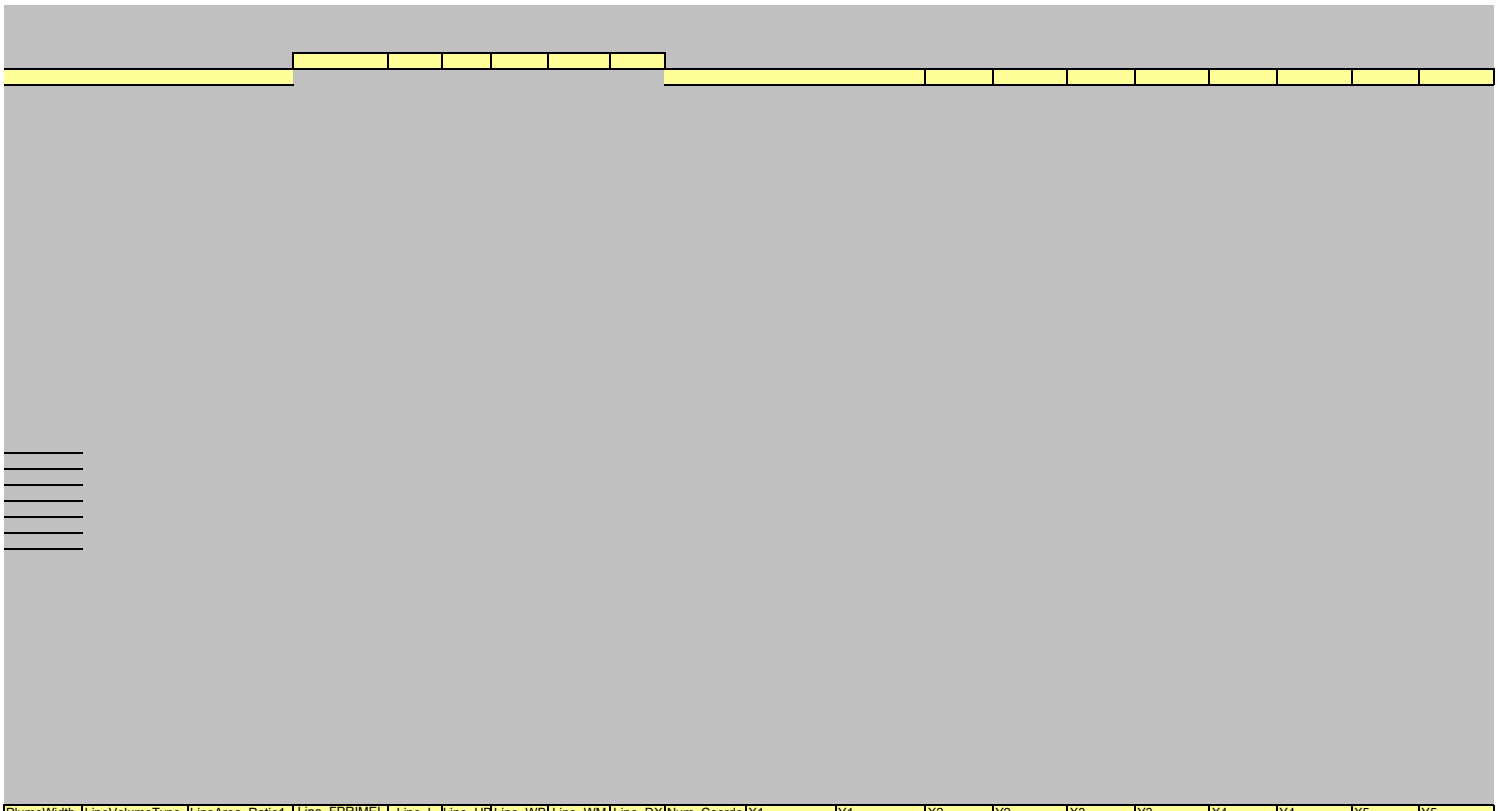

    ********   WARNING MESSAGES   ********
 ME W340    4659       PRBASE: Possible Error in PROFBASE Input:
Value is < 0        PROFBASE
 ME W186    4660       MEOPEN: THRESH_1MIN 1-min ASOS wind speed
threshold used          0.50
 ME W187    4660       MEOPEN: ADJ_U* Option for Stable Low Winds
used in AERMET
```

AERMOD View - Source Parameters
MS Excel - Lakes Format: Version 3.0
Supported Source Types: Point, Rectangular Area, Circular Area, Polygon Area, Volume, Open Pit, Line Volume, Line Are

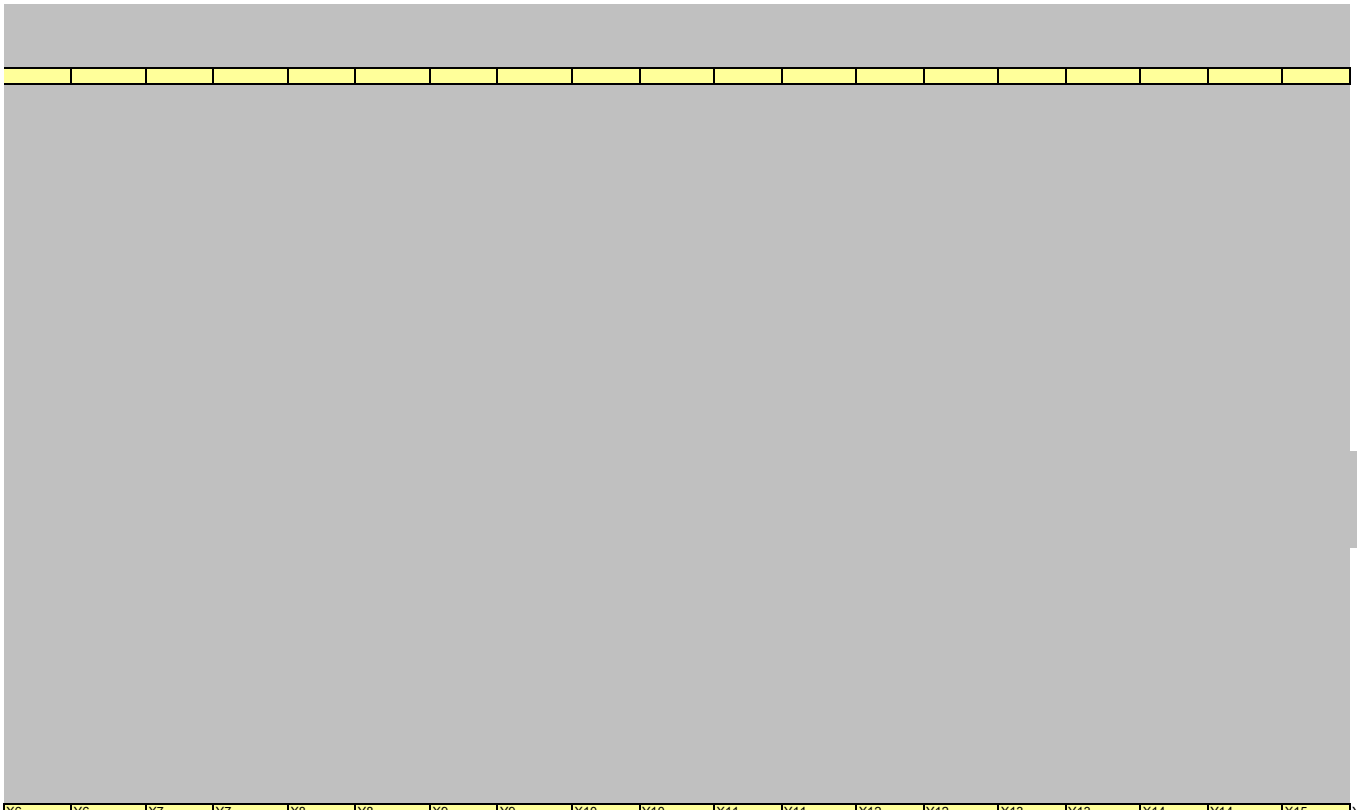
Parameters	Units	Description
Type		POINT, AREA, AREA_CIRC, AREA_POLY, VOLUME, OPEN_PIT, LINE, LINE_VOLUME, LINE_AREA, BUOYLINE, RLINE, RLINEXT
ID		Source ID up to 12 characters
Desc		Optional description
SourceID_Prefix		Text prefix up to 4 characters long for generated LINE_VOLUME, RLINE, RLINEXT and LINE_AREA sources
Base_Elev	[m]	Source base elevation above mean sea level
Height	[m]	Release height above ground
Diam	[m]	Inner stack diameter (POINT) or circular area radius (AREA_CIRC)
Exit_Vel	[m/s]	Exit velocity (POINT only)
Exit_Temp	[K]	Exit temperature (POINT only)
Release Type		VERTICAL, HORIZONTAL, CAPPED (POINT only) - HORIZONTAL and CAPPED are non-default beta options
SigmaY	[m]	Initial sigma Y (VOLUME only)
SigmaZ	[m]	Initial sigma Z (AREA, AREA_CIRC, AREA_POLY, VOLUME, LINE, RLINE, RLINEXT and LINE_AREA only; optional for AREA, AREA_CIRC, AREA_POLY, and LINE)
Length_X	[m]	X side length (AREA, VOLUME, OPEN PIT, RLINE, RLINEXT, and LINE_AREA only; optional for VOLUME, will be used to calculate SigmaY)
Length_Y	[m]	Y side length (AREA and OPEN PIT only); width for LINE sources; DCL for RLINEXT sources
Rotation_A	[degrees]	Clockwise rotation from North of Y side (AREA and OPEN PIT only)
Pit_Volume	[m^3]	Volume of the open pit (OPEN PIT only)
Emission_R	[g/s or g/s/m2]	Emission rate (g/s for POINT, VOLUME, and LINE_VOLUME; g/s/m2 for AREA, AREA_CIRC, AREA_POLY, OPENPIT, LINE, RLINE, RLINEXT and LINE_AREA)
Configuration		LINE_VOLUME configuration: Separated, Adjacent or Separated2W
LineVolume	[m]	Plume Height or Building Height for LINE_VOLUME source
PlumeWidth	[m]	Plume width for LINE_VOLUME source
LineVolumeType		LINE_VOLUME type: None, Surface-Based, Elevated, Elevated Building
LineArea_Ratio1		Ratio 1 for LINE_AREA sources
Line_FPRI	[m**4/s**3]	Average buoyance parameter (BUOYLINE source only)
Line_L =	[m]	Building Length (BUOYLINE source only)
Line_HB =	[m]	Building Height (BUOYLINE source only)
Line_WB =	[m]	Building Width (BUOYLINE source only)
Line_WM =	[m]	Line Source Width (BUOYLINE source only)
Line_DX =	[m]	Separation between buildings (BUOYLINE source only)
Num_Coords		Number of coordinate pairs (POINT, AREA, AREA_CIRC, VOLUME, OPENPIT = 1; AREA_POLY >= 3; LINE = 2; LINE_AREA, LINE_VOLUME >= 2, RLINE/RLINEXT >= 2)
X1	[m]	X coordinate of source location [m]
Y1	[m]	Y coordinate of source location [m]
X2	[m]	Secondary X coordinate of source location [m] (AREA_POLY, LINE, LINE_VOLUME, LINE_AREA, RLINE, RLINEXT, BUOYLINE sources only)
Y2	[m]	Secondary Y coordinate of source location [m] (AREA_POLY, LINE, LINE_VOLUME, LINE_AREA, RLINE, RLINEXT, BUOYLINE sources only)
X3	[m]	Additional X coordinate of source location [m] (AREA_POLY, LINE_VOLUME, RLINE, RLINEXT, LINE_AREA only)
Y3	[m]	Additional Y coordinate of source location [m] (AREA_POLY, LINE_VOLUME, RLINE, RLINEXT, LINE_AREA only)
X4	[m]	Additional X coordinate of source location [m] (AREA_POLY, LINE_VOLUME, RLINE, RLINEXT, LINE_AREA only)
Y4	[m]	Additional Y coordinate of source location [m] (AREA_POLY, LINE_VOLUME, RLINE, RLINEXT, LINE_AREA only)
Base_Elev	[m]	Base Elevation for LINE_VOLUME, LINE_AREA, RLINE, RLINEXT Nodes
Rel_Height	[m]	Release height for LINE_VOLUME, LINE_AREA, RLINE, RLINEXT Nodes
Rbarrier	[m]	Barrier properties HW1, DW1, HW2, DW2 for RLINEXT sources
Rdepressio	[m]	Depression properties Depth, Wtop, Wbottom for RLINEXT sources

NOTE: you may keep adding additional coordinate pairs for an AREA_POLY or LINE_VOLUME sources, be sure to add the headers as well (eg. X5, Y5, etc)

Type	ID	Desc	SourceID_Prefix	Base_Elev	Height	Diam	Exit_Vel	Exit_Temp	Release_Type	SigmaY	SigmaZ	Length_X	Length_Y	Rotation_Angle	Pit_Volume	Emission_Rate	Configuration	LineVolumeHeight
				[m]	[m]	[m]	[m/s]	[K]		[m]	[m]	[m]	[m]	[deg]	[m^3]			[m]
VOLUME	VOL1	B1N_Idling1		6.68	4.12					6.97674	9.92	30				6.386E-07		
VOLUME	VOL2	B1N_Idling2		6.48	4.12					6.97674	9.92	30				8.514E-07		
VOLUME	VOL3	B1N_Idling3		6.29	4.12					6.97674	9.92	30				8.514E-07		
VOLUME	VOL4	B1N_Idling4		6.1	4.12					6.97674	9.92	30				8.514E-07		
VOLUME	VOL5	B1N_Idling5		5.91	4.12					6.97674	9.92	30				8.514E-07		
VOLUME	VOL6	B1N_Idling6		5.72	4.12					6.97674	9.92	30				8.514E-07		
VOLUME	VOL7	B1N_Idling7		5.53	4.12					6.97674	9.92	30				8.514E-07		
VOLUME	VOL8	B1N_Idling8		5.35	4.12					6.97674	9.92	30				8.514E-07		
VOLUME	VOL9	B1N_Idling9		5.18	4.12					6.97674	9.92	30				8.514E-07		
VOLUME	VOL10	B1N_Idling10		5.03	4.12					6.97674	9.92	30				0.000000745		
VOLUME	VOL11	B1S_Idling11		6.2	4.12					12.7907	9.92	55				0.000001277		
VOLUME	VOL12	B1S_Idling2		5.84	4.12					6.97674	9.92	30				8.514E-07		
VOLUME	VOL13	B1S_Idling3		5.61	4.12					6.97674	9.92	30				8.514E-07		
VOLUME	VOL14	B1S_Idling4		5.37	4.12					6.97674	9.92	30				8.514E-07		
VOLUME	VOL15	B1S_Idling5		5.14	4.12					6.97674	9.92	30				8.514E-07		
VOLUME	VOL16	B1S_Idling6		4.92	4.12					6.97674	9.92	30				8.514E-07		
VOLUME	VOL17	B1S_Idling7		4.74	4.12					6.97674	9.92	30				8.514E-07		
VOLUME	VOL18	B1S_Idling8		4.59	4.12					12.7907	9.92	55				0.000001384		
VOLUME	VOL19	B2N_Idling1		4.27	4.12					6.97674	14.18	30				0.000002093		
VOLUME	VOL20	B2N_Idling2		4.16	4.12					6.97674	14.18	30				0.00000279		
VOLUME	VOL21	B2N_Idling3		4.05	4.12					6.97674	14.18	30				0.00000279		
VOLUME	VOL22	B2N_Idling4		3.93	4.12					6.97674	14.18	30				0.00000279		
VOLUME	VOL23	B2N_Idling5		3.8	4.12					6.97674	14.18	30				0.00000279		
VOLUME	VOL24	B2N_Idling6		3.67	4.12					6.97674	14.18	30				0.00000279		
VOLUME	VOL25	B2N_Idling7		3.53	4.12					6.97674	14.18	30				0.00000279		
VOLUME	VOL26	B2N_Idling8		3.38	4.12					6.97674	14.18	30				0.00000279		
VOLUME	VOL27	B2N_Idling9		3.24	4.12					6.97674	14.18	30				0.00000279		
VOLUME	VOL28	B2N_Idling10		3.07	4.12					6.97674	14.18	30				0.00000279		
VOLUME	VOL29	B2N_Idling11		2.86	4.12					6.97674	14.18	30				0.000002442		
VOLUME	VOL30	B2S_Idling1		3.82	4.12					6.97674	14.18	30				0.000002442		
VOLUME	VOL31	B2S_Idling2		3.64	4.12					6.97674	14.18	30				0.00000279		
VOLUME	VOL32	B2S_Idling3		3.46	4.12					6.97674	14.18	30				0.00000279		
VOLUME	VOL33	B2S_Idling4		3.3	4.12					6.97674	14.18	30				0.00000279		
VOLUME	VOL34	B2S_Idling5		3.09	4.12					6.97674	14.18	30				0.00000279		
VOLUME	VOL35	B2S_Idling6		2.88	4.12					6.97674	14.18	30				0.00000279		
VOLUME	VOL36	B2S_Idling7		2.71	4.12					6.97674	14.18	30				0.00000279		
VOLUME	VOL37	B2S_Idling8		2.52	4.12					6.97674	14.18	30				0.00000279		
VOLUME	VOL38	B2S_Idling9		2.34	4.12					6.97674	14.18	30				0.00000279		
VOLUME	VOL39	B2S_Idling10		2.17	4.12					6.97674	14.18	30				0.00000279		
VOLUME	VOL40	B2S_Idling11		2.01	4.12					6.97674	14.18	30				0.000002093		
LINE_AREA	ARLN18	B1_Inbound_StA										25				5.40658E-10		
LINE_AREA	ARLN18																	
LINE_AREA	ARLN18																	
LINE_AREA	ARLN23	B1_S_Outbound_ClintonSt										10				6.57933E-10		
LINE_AREA	ARLN23																	
LINE_AREA	ARLN23																	
LINE_AREA	ARLN24	B1_Outbound_StA										25				5.40868E-10		
LINE_AREA	ARLN24																	
LINE_AREA	ARLN24																	
LINE_AREA	ARLN25	B2_Inbound_StA										25				1.9869E-09		
LINE_AREA	ARLN25																	
LINE_AREA	ARLN25																	
LINE_AREA	ARLN28	B2_Inbound_ClintonSt										10				2.48368E-09		
LINE_AREA	ARLN28																	
LINE_AREA	ARLN28																	
LINE_AREA	ARLN31	B2_Outbound_StA										25				1.98744E-09		
LINE_AREA	ARLN31																	
LINE_AREA	ARLN31																	
LINE_AREA	ARLN32	B1_OpOff1_Site_WBramp										30				9.01315E-10		
LINE_AREA	ARLN32																	
LINE_AREA	ARLN32																	
LINE_AREA	ARLN42	B2_OpOff1_Site_WBramp										30				3.31015E-09		
LINE_AREA	ARLN42																	
LINE_AREA	ARLN42																	
LINE_AREA	ARLN33	B1_OpOff2_WB1										15				8.09404E-10		
LINE_AREA	ARLN33																	
LINE_AREA	ARLN33																	
LINE_AREA	ARLN43	B2_OpOff2_WB1										15				2.97286E-09		
LINE_AREA	ARLN43																	
LINE_AREA	ARLN43																	
LINE_AREA	ARLN34	B1_OpOff3_WB2										15				1.50615E-09		
LINE_AREA	ARLN34																	
LINE_AREA	ARLN34																	



PlumeWidth	LineVolumeType	LineArea_Ratio1	Line_FPRIMEL	Line_L	Line_HB	Line_WB	Line_WM	Line_DX	Num_Coords	X1	Y1	X2	Y2	X3	Y3	X4	Y4	X5	Y5
[m]										[m]	[m]	[m]	[m]	[m]	[m]	[m]	[m]		
									1	569681.96	3733738.29								
									1	569719.24	3733738.59								
									1	569755.19	3733738.59								
									1	569792.41	3733739.66								
									1	569829.03	3733738.74								
									1	569866.84	3733737.97								
									1	569903.58	3733738.84								
									1	569939.62	3733737.52								
									1	569975.94	3733737.73								
									1	570012.80	3733739.02								
									1	569714.71	3733564.53								
									1	569762.02	3733556.56								
									1	569799.07	3733555.57								
									1	569836.46	3733555.24								
									1	569874.84	3733556.56								
									1	569911.89	3733555.57								
									1	569948.62	3733555.57								
									1	569998.49	3733564.99								
									1	570235.45	3733738.22								
									1	570271.62	3733736.73								
									1	570308.60	3733739.06								
									1	570343.64	3733739.06								
									1	570382.57	3733737.90								
									1	570418.78	3733737.51								
									1	570456.54	3733739.06								
									1	570493.13	3733737.12								
									1	570531.29	3733737.12								
									1	570566.71	3733738.29								
									1	570604.47	3733739.06								
									1	570240.28	3733553.58								
									1	570277.05	3733554.18								
									1	570310.76	3733555.52								
									1	570346.95	3733558.27								
									1	570384.96	3733557.81								
									1	570423.90	3733555.98								
									1	570459.62	3733557.35								
									1	570497.18	3733556.89								
									1	570533.82	3733557.35								
									1	570570.13	3733557.35								
									1	570605.86	3733557.81								
		10							2	570947.01	3733808.95	569547.24	3733809.14						
									Rel_Height_m	4.12	4.12								
									Base_Elev_m	2.13	7.10								
		10							2	570127.60	3733529.84	570127.66	3733766.94						
									Rel_Height_m	4.12	4.12								
									Base_Elev_m	4.17	4.65								
		10							2	570124.21	3733812.65	570932.54	3733810.69						
									Rel_Height_m	4.12	4.12								
									Base_Elev_m	4.77	2.21								
		10							2	570127.07	3733812.65	570932.54	3733810.69						
									Rel_Height_m	4.12	4.12								
									Base_Elev_m	4.77	2.21								
		10							2	570124.89	3733762.94	570127.67	3733531.49						
									Rel_Height_m	4.12	4.12								
									Base_Elev_m	4.65	4.18								
		10							2	570721.79	3733810.65	570931.31	3733810.65						
									Rel_Height_m	4.12	4.12								
									Base_Elev_m	2.83	2.21								
		10							2	570954.47	3733823.65	570966.02	3733636.50						
									Rel_Height_m	4.12	4.12								
									Base_Elev_m	2.19	1.18								
		10							2	570954.47	3733823.65	570966.02	3733636.50						
									Rel_Height_m	4.12	4.12								
									Base_Elev_m	2.19	1.18								
		10							4	570851.27	3733589.52	570903.09	3733621.05	570965.25	3733644.97	571072.42	3733618.28		
									Rel_Height_m	4.12	4.12	4.12	4.12						
									Base_Elev_m	0.91	1.11	1.24	1.10						
		10							4	570851.27	3733589.52	570903.09	3733621.05	570965.25	3733644.97	571072.42	3733618.28		
									Rel_Height_m	4.12	4.12	4.12	4.12						
									Base_Elev_m	0.91	1.11	1.24	1.10						
		10							9	570850.73	3733590.99	570712.82	3733512.18	570424.53	3733441.02	570213.43	3733409.25	569996.71	3733408.85
									Rel_Height_m	4.12	4.12	4.12	4.12	0.00	0.00	0.00	0.00	0.00	
									Base_Elev_m	0.99	1.23	2.05	3.66	3.80	5.35	6.20	7.29	8.09	



X6	Y6	X7	Y7	X8	Y8	X9	Y9	X10	Y10	X11	Y11	X12	Y12	X13	Y13	X14	Y14	X15	Y15	X16	Y16

569778.78 3733433.38 569627.20 3733464.74 569380.72 3733547.97 569270.55 3733597.02

Type	ID	Desc	SourceID_	Base_Elev	Height	Diam	Exit_Vel	Exit_Temp	Release_T	SigmaY	SigmaZ	Length_X	Length_Y	Rotation_A	Pit_Volume	Emission_R	Configurati	LineVolum	PlumeWidt	LineVolum	LineArea_I	Line_FPRI
				[m]	[m]	[m]	[m/s]	[K]		[m]	[m]	[m]	[m]	[deg]	[m^3]			[m]	[m]			
LINE_ARE	ARLN44	B2_OpOff3_WB2										15				5.6E-09					10	
LINE_ARE	ARLN44																					
LINE_ARE	ARLN44																					
LINE_ARE	ARLN35	B1_OpOff4_WBramp_EBramp										15				1.02E-09					10	
LINE_ARE	ARLN35																					
LINE_ARE	ARLN35																					
LINE_ARE	ARLN45	B2_OpOff4_WBramp_EBramp										15				3.79E-09					10	
LINE_ARE	ARLN45																					
LINE_ARE	ARLN45																					
LINE_ARE	ARLN36	B1_OpOff5_EB1										10				1.22E-09					10	
LINE_ARE	ARLN36																					
LINE_ARE	ARLN36																					
LINE_ARE	ARLN46	B2_OpOff5_EB1										10				4.47E-09					10	
LINE_ARE	ARLN46																					
LINE_ARE	ARLN46																					
LINE_ARE	ARLN37	B1_OpOff6_EB2										15				1.51E-09					10	
LINE_ARE	ARLN37																					
LINE_ARE	ARLN37																					
LINE_ARE	ARLN47	B2_OpOff6_EB2										15				5.6E-09					10	
LINE_ARE	ARLN47																					
LINE_ARE	ARLN47																					
LINE_ARE	ARLN38	B1_OpOff7_Ebramp_Oleander										15				1.86E-10					10	
LINE_ARE	ARLN38																					
LINE_ARE	ARLN38																					
LINE_ARE	ARLN48	B2_OpOff7_Ebramp_Oleander										15				6.89E-10					10	
LINE_ARE	ARLN48																					
LINE_ARE	ARLN48																					
AREA_POI	PAREA19	YardHostlerB1		6.87	4.12											1.04E-09						
AREA_POI	PAREA20	YardHostlerB2		4.73	4.12											1.36E-09						
VOLUME	VOL41	B1_Inbound1		7.06	4.12					6.976744	9.92	30				7.88E-07						
VOLUME	VOL42	B1_Ndocks1		7.08	4.12					6.976744	9.92	30				4.04E-07						
VOLUME	VOL43	B1_Inbound2		7.07	4.12					6.976744	9.92	30				4.04E-07						
VOLUME	VOL44	B1_Inbound3		6.9	4.12					6.976744	9.92	30				4.04E-07						
VOLUME	VOL45	B1_Inbound4		6.71	4.12					6.976744	9.92	30				4.04E-07						
VOLUME	VOL46	B1_Inbound5		6.56	4.12					6.976744	9.92	30				4.04E-07						
VOLUME	VOL47	B1_Inbound6		6.4	4.12					6.976744	9.92	30				4.04E-07						
VOLUME	VOL48	B1_Inbound7		6.26	4.12					6.976744	9.92	30				4.04E-07						
VOLUME	VOL49	B1_Inbound8		6.11	4.12					6.976744	9.92	30				4.04E-07						
VOLUME	VOL50	B1_Inbound9		5.97	4.12					6.976744	9.92	30				4.04E-07						
VOLUME	VOL51	B1_Inbound10		5.82	4.12					6.976744	9.92	30				4.04E-07						
VOLUME	VOL52	B1_Inbound11		5.68	4.12					6.976744	9.92	30				4.04E-07						
VOLUME	VOL53	B1_Inbound12		5.54	4.12					6.976744	9.92	30				4.04E-07						
VOLUME	VOL54	B1_Inbound13		5.4	4.12					6.976744	9.92	30				4.04E-07						
VOLUME	VOL55	B1_Inbound14		5.28	4.12					6.976744	9.92	30				4.04E-07						
VOLUME	VOL56	B1_Inbound15		5.15	4.12					6.976744	9.92	30				4.04E-07						
VOLUME	VOL57	B1_Inbound16		5.04	4.12					6.976744	9.92	30				4.04E-07						
VOLUME	VOL58	B1_Inbound17		4.93	4.12					6.976744	9.92	30				4.04E-07						
VOLUME	VOL59	B1_Inbound18		4.81	4.12					6.976744	9.92	30				4.04E-07						
VOLUME	VOL60	B1_Inbound19		4.72	4.12					6.976744	9.92	30				4.04E-07						
VOLUME	VOL61	B1_Inbound2_W		7.04	4.12					6.976744	9.92	30				3.83E-07						
VOLUME	VOL62	B1_Inbound3_W		6.99	4.12					6.976744	9.92	30				3.83E-07						
VOLUME	VOL63	B1_Inbound4_W		7	4.12					6.976744	9.92	30				3.83E-07						
VOLUME	VOL64	B1_Inbound5_W		6.96	4.12					6.976744	9.92	30				3.83E-07						
VOLUME	VOL65	B1_Inbound6_W		6.89	4.12					6.976744	9.92	30				3.83E-07						
VOLUME	VOL66	B1_Inbound7_W		6.84	4.12					6.976744	9.92	30				3.83E-07						
VOLUME	VOL67	B1_Inbound8_W		6.8	4.12					6.976744	9.92	30				3.83E-07						
VOLUME	VOL68	B1_Inbound9_W		6.8	4.12					6.976744	9.92	30				3.83E-07						
VOLUME	VOL69	B1_Inbound10_W		6.64	4.12					6.976744	9.92	30				3.83E-07						
VOLUME	VOL70	B1_Inbound11_W		6.4	4.12					6.976744	9.92	30				3.83E-07						
VOLUME	VOL71	B1_Sdocks1		6.25	4.12					6.976744	9.92	30				3.83E-07						
VOLUME	VOL72	B1_Sdocks2		6.03	4.12					6.976744	9.92	30				3.83E-07						
VOLUME	VOL73	B1_Sdocks3		5.82	4.12					6.976744	9.92	30				3.83E-07						
VOLUME	VOL74	B1_Sdocks4		5.62	4.12					6.976744	9.92	30				3.83E-07						
VOLUME	VOL75	B1_Sdocks5		5.44	4.12					6.976744	9.92	30				3.83E-07						
VOLUME	VOL76	B1_Sdocks6		5.24	4.12					6.976744	9.92	30				3.83E-07						
VOLUME	VOL77	B1_Sdocks7		5.05	4.12					6.976744	9.92	30				3.83E-07						
VOLUME	VOL78	B1_Sdocks8		4.88	4.12					6.976744	9.92	30				3.83E-07						
VOLUME	VOL79	B1_Sdocks9		4.72	4.12					6.976744	9.92	30				3.83E-07						
VOLUME	VOL80	B1_Sdocks10		4.6	4.12					6.976744	9.92	30				3.83E-07						
VOLUME	VOL81	B1_Sdocks11		4.49	4.12					6.976744	9.92	30				3.83E-07						
VOLUME	VOL82	B1_Sdocks12		4.41	4.12					6.976744	9.92	30				3.83E-07						
VOLUME	VOL83	B1_Sdocks13		4.32	4.12					6.976744	9.92	30				3.83E-07						
VOLUME	VOL84	B1_Sdocks14		4.25	4.12					6.976744	9.92	30				3.83E-07						
VOLUME	VOL85	B1_Sdocks15		4.2	4.12					6.976744	9.92	30				3.83E-07						
VOLUME	VOL86	B1_Outbound		4.69	4.12					6.976744	9.92	30				7.88E-07						
VOLUME	VOL87	B2_Inbound		4.69	4.12					6.976744	14.18	30				2.89E-06						
VOLUME	VOL88	B2_Ndocks1		4.56	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL89	B2_Ndocks2		4.48	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL90	B2_Ndocks3		4.4	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL91	B2_Ndocks4		4.32	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL92	B2_Ndocks5		4.25	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL93	B2_Ndocks6		4.17	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL94	B2_Ndocks7		4.07	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL95	B2_Ndocks8		3.98	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL96	B2_Ndocks9		3.9	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL97	B2_Ndocks10		3.81	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL98	B2_Ndocks11		3.74	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL99	B2_Ndocks12		3.63	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL100	B2_Ndocks13		3.51	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL101	B2_Ndocks14		3.39	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL102	B2_Ndocks15		3.25	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL103	B2_Ndocks16		3.09	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL104	B2_Ndocks17		2.95	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL105	B2_Ndocks18		2.83	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL106	B2_Ndocks19		2.74	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL107	B2_Ndocks20		2.67	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL108	B2_Outbound1		2.59	4.12					6.976744	14.18	30				2.89E-06						
VOLUME	VOL109	B2_Outbound2		2.72	4.12					6.976744	14.18	30				2.89E-06						
VOLUME	VOL110	B2_Sdocks1		4.12	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL111	B2_Sdocks2		4	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL112	B2_Sdocks3		3.89	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL113	B2_Sdocks4		3.78	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL114	B2_Sdocks5		3.59	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL115	B2_Sdocks6		3.4	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL116	B2_Sdocks7		3.26	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL117	B2_Sdocks8		3.12	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL118	B2_Sdocks9		2.98	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL119	B2_Sdocks10		2.83	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL120	B2_Sdocks11		2.69	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL121	B2_Sdocks12		2.54	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL122	B2_Sdocks13		2.4	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL123	B2_Sdocks14		2.26	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL124	B2_Sdocks15		2.14	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL125	B2_Sdocks16		2	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL126	B2_Sdocks17		1.88	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL127	B2_Sdocks18		1.8	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL128	B2_S_Outbound1		1.72	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL129	B2_S_Outbound2		1.62	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL130	B2_S_Outbound3		1.51	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL131	B2_S_Outbound4		1.44	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL132	B2_S_Outbound5		1.62	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL133	B2_S_Outbound6		1.8	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL134	B2_S_Outbound7		1.96	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL135	B2_S_Outbound8		2.13	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL136	B2_S_Outbound9		2.29	4.12					6.976744	14.18	30				1.44E-06						
VOLUME	VOL137	B2_S_Outbound10		2.41	4.12					6.976744	14.18	30				1.44E-06						

Line_L	Line_HB	Line_WB	Line_WM	Line_DX	Num_Coor	X1	Y1	X2	Y2	X3	Y3	X4	Y4	X5	Y5	X6	Y6	X7	Y7	X8
						[m]	[m]	[m]	[m]	[m]	[m]	[m]	[m]							
					9	570850.73	3733590.99	570712.82	3733512.18	570424.53	3733441.02	570213.43	3733409.25	569996.71	3733408.85	569778.78	3733433.38	569627.20	3733464.74	569380.72
					Rel_Height_m	4.12	4.12	4.12	4.12	0.00	0.00	0.00	0.00	0.00						
					Base_Elev_m	0.99	1.23	2.05	3.66	3.80	5.35	6.20	7.29	8.09						
					2	570966.18	3733637.16	570976.75	3733440.15											
					Rel_Height_m	4.12	4.12													
					Base_Elev_m	1.18	-0.63													
					2	570966.18	3733637.16	570976.75	3733440.15											
					Rel_Height_m	4.12	4.12													
					Base_Elev_m	1.18	-0.63													
					3	570834.44	3733439.81	570976.75	3733431.24	571119.23	3733460.18									
					Rel_Height_m	4.12	4.12	4.12												
					Base_Elev_m	-0.27	-0.75	0.20												
					3	570834.44	3733439.81	570976.75	3733431.24	571119.23	3733460.18									
					Rel_Height_m	4.12	4.12	4.12												
					Base_Elev_m	-0.27	-0.75	0.20												
					11	570833.14	3733442.10	570740.17	3733450.61	570664.87	3733448.65	570532.61	3733434.90	570272.02	3733383.83	570063.80	3733376.62	569919.76	3733382.52	569747.56
					Rel_Height_m	4.12	4.12	4.12	4.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
					Base_Elev_m	-0.18	0.82	1.27	1.59	2.91	3.24	4.16	5.48	6.34	7.24	8.22				
					11	570833.14	3733442.10	570740.17	3733450.61	570664.87	3733448.65	570532.61	3733434.90	570272.02	3733383.83	570063.80	3733376.62	569919.76	3733382.52	569747.56
					Rel_Height_m	4.12	4.12	4.12	4.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
					Base_Elev_m	-0.18	0.82	1.27	1.59	2.91	3.24	4.16	5.48	6.34	7.24	8.22				
					2	570976.98	3733428.61	570982.87	3732961.77											
					Rel_Height_m	4.12	4.12													
					Base_Elev_m	-0.90	0.74													
					2	570976.98	3733428.61	570982.87	3732961.77											
					Rel_Height_m	4.12	4.12													
					Base_Elev_m	-0.90	0.74													
					16	569458.44	3733805.62	569507.55	3733659.60	569637.20	3733490.00	569808.77	3733458.57	570051.05	3733441.54	570051.70	3733500.48	570125.04	3733504.40	570124.39
					16	570128.32	3733799.73	570127.66	3733503.10	570198.38	3733503.10	570201.66	3733440.23	570402.03	3733465.77	570744.59	3733561.86	570666.58	3733558.10	570619.43
					1	569550.94	3733774.26													
					1	569582.17	3733768.59													
					1	569613.40	3733766.69													
					1	569643.82	3733767.24													
					1	569675.10	3733767.17													
					1	569704.51	3733767.17													
					1	569734.93	3733766.49													
					1	569764.67	3733765.80													
					1	569795.10	3733765.80													
					1	569825.87	3733766.83													
					1	569854.93	3733766.83													
					1	569883.64	3733765.80													
					1	569912.02	3733765.46													
					1	569941.76	3733764.78													
					1	569969.11	3733764.09													
					1	569997.83	3733764.78													
					1	570024.84	3733766.83													
					1	570053.21	3733765.80													
					1	570082.27	3733764.78													
					1	570107.57	3733763.75													
					1	569550.00	3733745.29													
					1	569552.37	3733715.47													
					1	569583.60	3733714.53													
					1	569592.60	3733685.19													
					1	569592.12	3733655.37													
					1	569593.54	3733624.61													
					1	569594.96	3733594.33													
					1	569611.52	3733572.08													
					1	569635.66	3733549.84													
					1	569663.58	3733527.60													
					1	569691.74	3733524.05													
					1	569722.26	3733521.92													
					1	569749.71	3733523.34													
					1	569780.94	3733529.02													
					1	569809.81	3733529.97													
					1	569839.62	3733529.49													
					1	569869.44	3733530.91													
					1	569899.25	3733531.86													
					1	569929.54	3733532.80													
					1	569958.88	3733533.75													
					1	569986.33	3733533.75													
					1	570014.25	3733534.22													
					1	570044.53	3733529.97													
					1	570076.24	3733528.07													
					1	570108.42	3733527.60													
					1	570129.26	3733782.12													
					1	570128.84	3733782.57													
					1	570155.35	3733765.53													
					1	570181.38	3733768.37													
					1	570210.25	3733768.84													
					1	570239.12	3733768.37													
					1	570266.57	3733768.37													
					1	570294.03	3733768.84													
					1	570321.48	3733767.90													
					1	570351.77	3733768.37													
					1	570378.75	3733768.84													
					1	570408.56	3733767.42													
					1	570436.02	3733766.48													
					1	570464.41	3733766.95													
					1	570493.29	3733765.53													
					1	570521.21	3733764.59													
					1	570548.66	3733764.11													
					1	570577.53	3733764.11													
					1	570605.46	3733766.48													
					1	570634.33	3733765.06													
					1	570662.73	3733765.06													
					1	570691.60	3733766.48													
					1	570721.89	3733766.00													
					1	570725.20	3733791.56													
					1	570147.99	3733525.60													
					1	570180.52	3733525.31													
					1	570208.70	3733527.27													
					1	570238.84	3733525.96													
					1	570269.63	3733527.27													
					1	570299.77	3733525.96													
					1	570327.29	3733526.62													
					1	570356.78	3733529.24													
					1	570383.64	3733528.58													
					1	570410.50	3733529.24													
					1	570437.3675	3733531.205													
					1	570466.1968	3733531.86													
					1	570493.7158	3733533.826													
					1	570519.9243	3733532.515													
					1	570546.7881	3733531.205													
					1	570575.5229	3733530.189													
					1	570603.9114	3733530.189													
					1	570631.6159	3733539.766													
					1	570656.5841	3733545.922													
					1	570684.2885	3733554.473													
					1	570708.2307	3733561.998													
					1	570731.8307	3733573.627													
					1	570731.4887	3733603.383													
					1	570730.8047	3733632.873													
					1	570730.7286	3733661.378													
					1	570730.55	3733691.016													
					1	570730.1929	3733719.941													
					1	570732.6926	3733742.973													

Y8	X9	Y9	X10	Y10	X11	Y11	X12	Y12	X13	Y13	X14	Y14	X15	Y15	X16	Y16

3733547.97 569270.55 3733597.02

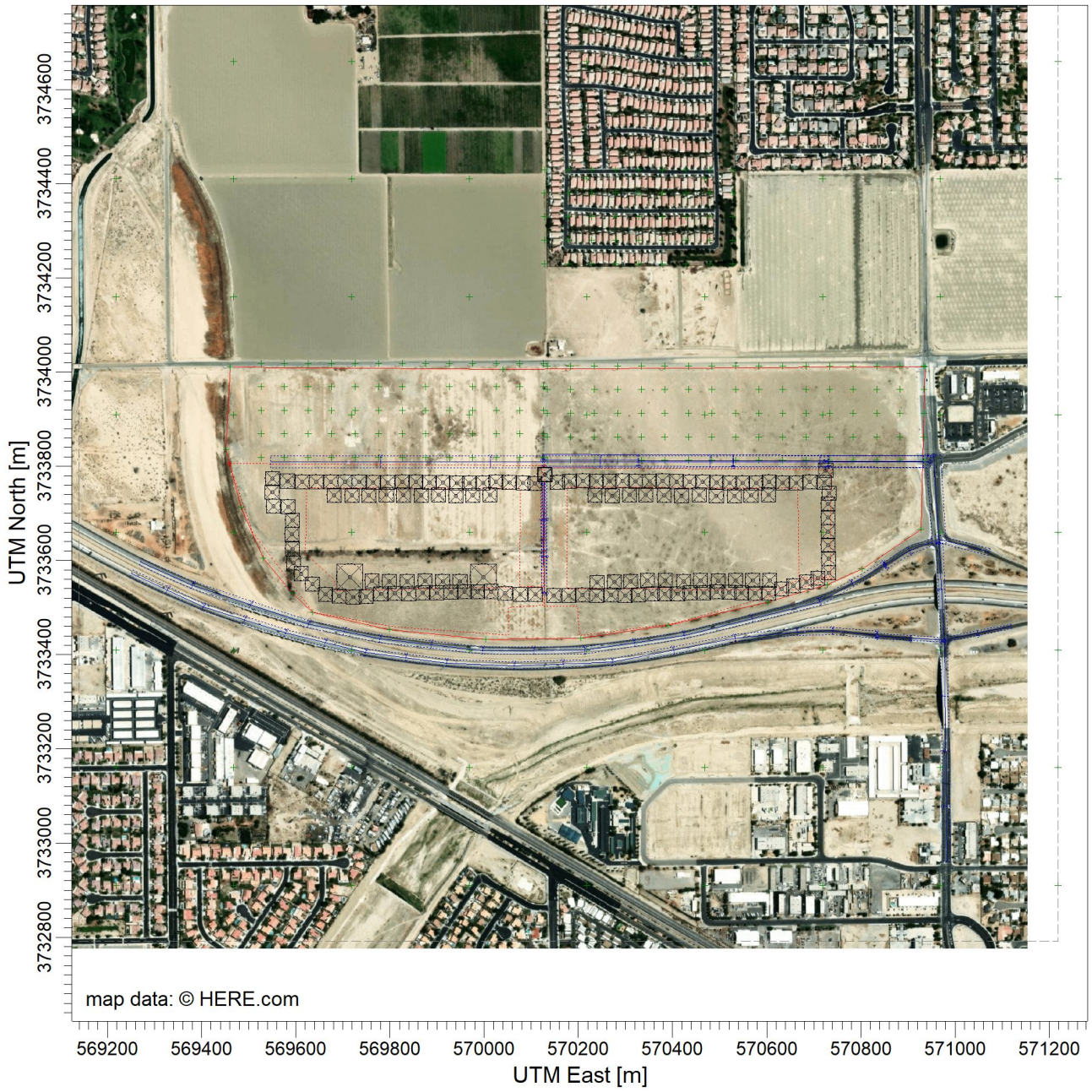
3733404.78 569577.98 3733446.03 569403.16 3733501.03 569251.25 3733573.05

3733404.78 569577.98 3733446.03 569403.16 3733501.03 569251.25 3733573.05

3733543.69 569686.31 3733535.84 569682.39 3733558.10 569620.83 3733615.07 569622.80 3733753.89 570077.24 3733753.24 570075.28 3733545.00 570125.70 3733544.35 570122.42 3733801.04
3733538.46 570175.46 3733539.77 570176.12 3733755.86 570666.58 3733754.55 570667.89 3733563.34 570709.80 3733563.34 570736.39 3733566.04 570736.64 3733793.18 570129.63 3733797.11

PROJECT TITLE:

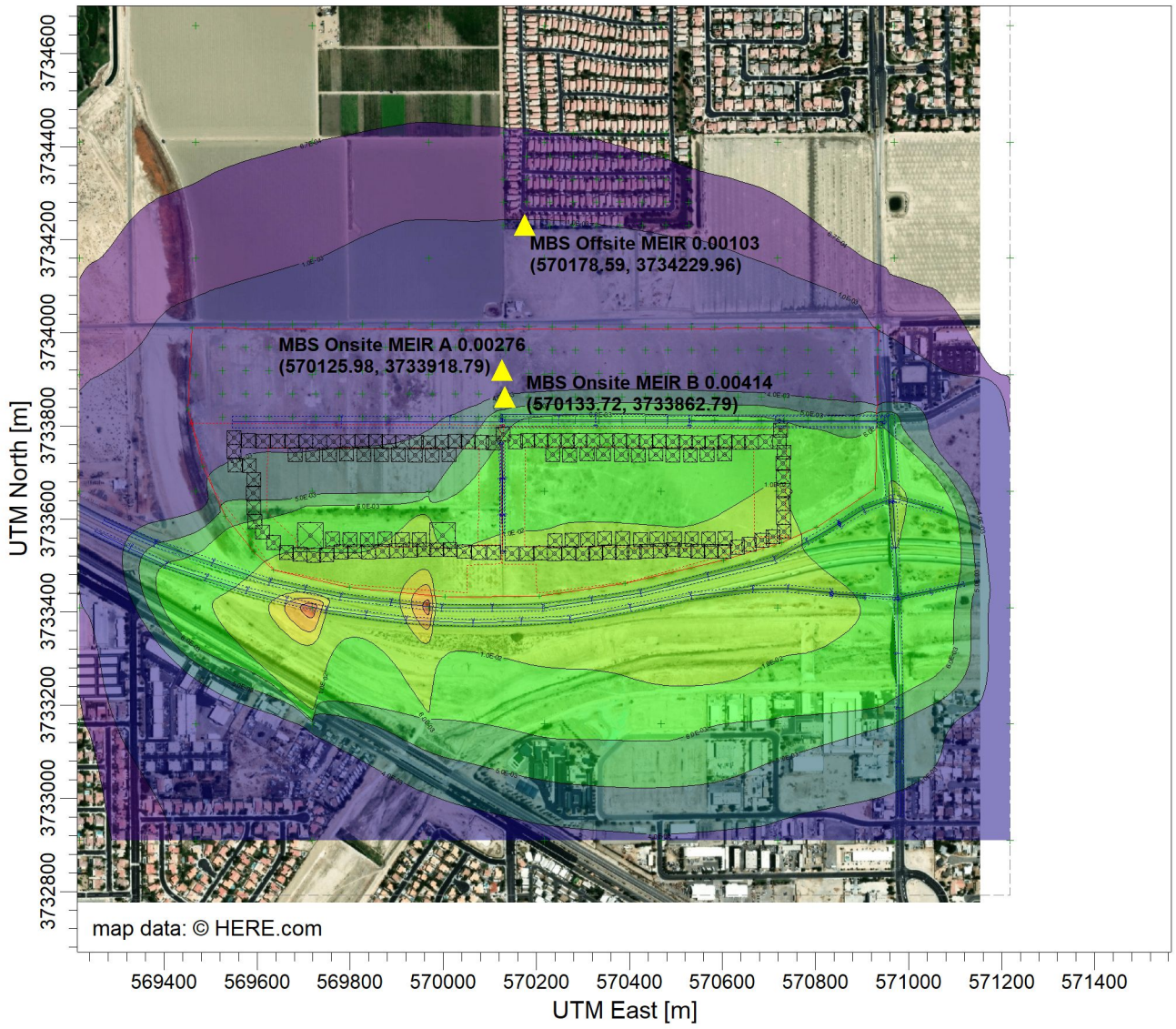
C:\Lakes\Indio Oasis Operational\Indio Oasis Operational.isc



COMMENTS: Maximum Build Scenario Operational Sources	SOURCES: **159**	COMPANY NAME: **MIG**	
	RECEPTORS: **283**	MODELER: **K. Kitowski**	
		SCALE: 1:13,568 0 0.5 km	
		DATE: **12/5/2023**	PROJECT NO.: **Oasis at Indio**

PROJECT TITLE:

C:\Lakes\Indio Oasis Operational\Indio Oasis Operational.isc



PLOT FILE OF PERIOD VALUES AVERAGED ACROSS 0 YEARS FOR SOURCE GROUP: OP_ALL ug/m^3

Max: 6.7E-02 [ug/m^3] at (569718.32, 3733409.80)

6.7E-04 1.0E-03 4.0E-03 5.0E-03 6.0E-03 1.0E-02 4.0E-02 5.0E-02 6.0E-02 6.7E-02

COMMENTS: Maximum Build Scenario Operational	SOURCES: **159**	COMPANY NAME: **MIG**	
	RECEPTORS: **283**	MODELER: **K. Kitowski**	
	OUTPUT TYPE: **Concentration**	SCALE: 1:14,787 0 0.5 km	
	MAX: **6.7E-02 ug/m^3**	DATE: **12/5/2023**	PROJECT NO.: **Oasis at Indio**

AERMOD Summary Files: Scenario 2 Unmitigated Construction

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```
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes
\Indio_Oasis_Construction-With-North-Receptors\Indio_Oasis_C ***
12/01/23
 *** AERMET - VERSION  16216 ***   ***
***        20:39:55

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

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

 **Model Is Setup For Calculation of Average CONCentration
Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses URBAN Dispersion Algorithm for the SBL for   349
Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =   2418185.0 ;  Urban Roughness Length =
1.000 m

 **Model Uses Regulatory DEFAULT Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Urban Roughness Length of 1.0 Meter Assumed.

 **Other Options Specified:
        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:  PM_10

 **Model Calculates PERIOD Averages Only

 **This Run Includes:    349 Source(s);      37 Source Group(s);
and     283 Receptor(s)
```

```
                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:      0 VOLUME source(s)
                 and:    349 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with a total
of     0 line(s)


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

 **The AERMET Input Meteorological Data Version Date:  16216

 **Output Options Selected:
          Model Outputs Tables of PERIOD Averages by Receptor
          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)
=   -36.00 ;  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 =      6.5 MB of
RAM.

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

 **Detailed Error/Message File:   Indio_Oasis_S2
_UnmitigatedConstruction.err
 **File for Summary of Results:   Indio_Oasis_S2
_UnmitigatedConstruction.sum
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING *** (1 =YES; 0=NO)

| | | |

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

Surface file: C:\Users\sjremote\Desktop\FORINDIO\KTRM_v9.SFC Met Version: 16216
Profile file: C:\Users\sjremote\Desktop\FORINDIO\KTRM_v9.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 3104 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2012 Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
12	01	01	1	01	-7.8	0.118	-9.000	-9.000	-999.	98.	19.4	0.08	1.91	1.00	1.59	77.	10.1	278.8	2.0
12	01	01	1	02	-15.8	0.171	-9.000	-9.000	-999.	169.	32.1	0.08	1.91	1.00	2.23	288.	10.1	277.5	2.0
12	01	01	1	03	-16.9	0.177	-9.000	-9.000	-999.	178.	34.3	0.08	1.91	1.00	2.30	325.	10.1	278.8	2.0
12	01	01	1	04	-3.0	0.076	-9.000	-9.000	-999.	56.	13.4	0.08	1.91	1.00	0.94	321.	10.1	275.4	2.0
12	01	01	1	05	-4.7	0.092	-9.000	-9.000	-999.	67.	15.0	0.08	1.91	1.00	1.23	342.	10.1	274.2	2.0
12	01	01	1	06	-10.7	0.139	-9.000	-9.000	-999.	124.	22.8	0.08	1.91	1.00	1.84	309.	10.1	274.9	2.0
12	01	01	1	07	-18.8	0.186	-9.000	-9.000	-999.	193.	38.2	0.08	1.91	1.00	2.42	338.	10.1	277.0	2.0
12	01	01	1	08	-11.5	0.179	-9.000	-9.000	-999.	182.	45.7	0.08	1.91	0.49	2.30	343.	10.1	282.5	2.0
12	01	01	1	09	44.9	0.190	0.372	0.007	42.	198.	-13.9	0.08	1.91	0.30	1.86	334.	10.1	288.8	2.0
12	01	01	1	10	109.3	0.237	0.720	0.006	125.	278.	-11.2	0.08	1.91	0.23	2.27	333.	10.1	293.8	2.0
12	01	01	1	11	153.1	0.246	1.122	0.005	338.	293.	-8.9	0.08	1.91	0.21	2.28	348.	10.1	297.0	2.0
12	01	01	1	12	173.2	0.204	1.424	0.005	612.	222.	-4.5								

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0.08   1.91   0.20    1.72  322.   10.1  298.8    2.0
 12 01 01   1 13  169.9  0.156  1.670  0.005 1005.  148.     -2.0
0.08   1.91   0.20    1.14  351.   10.1  300.4    2.0
 12 01 01   1 14  142.4  0.144  1.714  0.005 1296.  131.     -1.9
0.08   1.91   0.22    1.04  329.   10.1  300.9    2.0
 12 01 01   1 15   92.8  0.142  1.542  0.005 1447.  129.     -2.8
0.08   1.91   0.25    1.11  316.   10.1  301.4    2.0
 12 01 01   1 16   24.5  0.122  0.995  0.005 1469.  102.     -6.8
0.08   1.91   0.35    1.09  301.   10.1  300.4    2.0
 12 01 01   1 17   -3.0  0.077 -9.000 -9.000 -999.   51.     13.7
0.08   1.91   0.65    0.99  209.   10.1  292.0    2.0
 12 01 01   1 18  -11.9  0.149 -9.000 -9.000 -999.  138.     25.2
0.08   1.91   1.00    1.96  149.   10.1  286.4    2.0
 12 01 01   1 19   -6.4  0.107 -9.000 -9.000 -999.   85.     17.7
0.08   1.91   1.00    1.45   31.   10.1  284.9    2.0
 12 01 01   1 20  -15.7  0.171 -9.000 -9.000 -999.  169.     32.1
0.08   1.91   1.00    2.23  327.   10.1  283.1    2.0
 12 01 01   1 21   -8.3  0.122 -9.000 -9.000 -999.  103.     20.2
0.08   1.91   1.00    1.64  347.   10.1  282.0    2.0
 12 01 01   1 22   -7.9  0.119 -9.000 -9.000 -999.   99.     19.6
0.08   1.91   1.00    1.60  316.   10.1  279.2    2.0
 12 01 01   1 23   -5.3  0.097 -9.000 -9.000 -999.   73.     15.9
0.08   1.91   1.00    1.31  325.   10.1  278.1    2.0
 12 01 01   1 24   -9.4  0.130 -9.000 -9.000 -999.  113.     21.5
0.08   1.91   1.00    1.74  304.   10.1  278.8    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW
sigmaV
 12 01 01 01   10.1 1   77.    1.59   278.8
99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
YR1ONALL	1ST HIGHEST VALUE IS	0.18632 AT (570883.72, 3733912.79, 2.74, 2.74, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.17535 AT (570833.72, 3733912.79, 2.87, 2.87, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.17312 AT (570883.72, 3733962.79, 2.92, 2.92, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.17292 AT (570883.72, 3733862.79, 2.55, 2.55, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.17221 AT (570833.72, 3733962.79, 3.07, 3.07, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.15838 AT (570833.72, 3733862.79, 2.68, 2.68, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.15647 AT (570883.72, 3733812.79, 2.34, 2.34, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.15056 AT (570833.72, 3734012.79, 3.24, 3.24, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.14960 AT (570833.72, 3733812.79, 2.48, 2.48, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.14837 AT (570783.72, 3733812.79, 2.63, 2.63, 0.00)	DC	
YR2ONALL	1ST HIGHEST VALUE IS	0.10792 AT (570783.72, 3733812.79, 2.63, 2.63, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.10529 AT (570733.72, 3733812.79, 2.80, 2.80, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.10232 AT (570833.72, 3733812.79, 2.48, 2.48, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.09290 AT (570183.72, 3733912.79, 4.81, 4.81, 0.00)	DC	

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          5TH HIGHEST VALUE IS       0.09273 AT (  570733.72,
3733862.79,     3.03,     3.03,    0.00)  DC
          6TH HIGHEST VALUE IS       0.09267 AT (  570133.72,
3733912.79,     4.97,     4.97,    0.00)  DC
          7TH HIGHEST VALUE IS       0.09246 AT (  569718.32,
3733909.80,     6.37,     6.37,    0.00)  DC
          8TH HIGHEST VALUE IS       0.09241 AT (  570218.32,
3733909.80,     4.71,     4.71,    0.00)  DC
          9TH HIGHEST VALUE IS       0.09215 AT (  569775.98,
3733918.79,     6.13,     6.13,    0.00)  DC
         10TH HIGHEST VALUE IS       0.09212 AT (  570125.98,
3733918.79,     5.00,     5.00,    0.00)  DC

YR3ONALL  1ST HIGHEST VALUE IS       0.06084 AT (  570333.72,
3733912.79,     4.41,     4.41,    0.00)  DC
          2ND HIGHEST VALUE IS       0.06073 AT (  570383.72,
3733912.79,     4.28,     4.28,    0.00)  DC
          3RD HIGHEST VALUE IS       0.06072 AT (  570283.72,
3733912.79,     4.54,     4.54,    0.00)  DC
          4TH HIGHEST VALUE IS       0.06046 AT (  570433.72,
3733912.79,     4.14,     4.14,    0.00)  DC
          5TH HIGHEST VALUE IS       0.06008 AT (  570483.72,
3733912.79,     4.00,     4.00,    0.00)  DC
          6TH HIGHEST VALUE IS       0.06002 AT (  570233.72,
3733912.79,     4.67,     4.67,    0.00)  DC
          7TH HIGHEST VALUE IS       0.05994 AT (  570468.32,
3733909.80,     4.03,     4.03,    0.00)  DC
          8TH HIGHEST VALUE IS       0.05971 AT (  570283.72,
3733962.79,     4.66,     4.66,    0.00)  DC
          9TH HIGHEST VALUE IS       0.05968 AT (  570533.72,
3733912.79,     3.88,     3.88,    0.00)  DC
         10TH HIGHEST VALUE IS       0.05965 AT (  570333.72,
3733962.79,     4.54,     4.54,    0.00)  DC

Y1OFFALL  1ST HIGHEST VALUE IS       0.00123 AT (  569798.77,
3733453.54,     5.25,     5.25,    0.00)  DC
          2ND HIGHEST VALUE IS       0.00122 AT (  569635.26,
3733489.98,     6.29,     6.29,    0.00)  DC
          3RD HIGHEST VALUE IS       0.00116 AT (  570003.76,
3733432.37,     3.91,     3.91,    0.00)  DC
          4TH HIGHEST VALUE IS       0.00109 AT (  570205.94,
3733434.38,     3.77,     3.77,    0.00)  DC
          5TH HIGHEST VALUE IS       0.00105 AT (  570390.58,
3733461.97,     2.49,     2.49,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00104 AT (  570602.35,
3733512.22,     1.80,     1.80,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00102 AT (  570928.50,
3733665.75,     1.41,     1.41,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00099 AT (  570933.72,
3733812.79,     2.21,     2.21,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00092 AT (  570727.67,
3733549.01,     1.31,     1.31,    0.00)  DC
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         10TH HIGHEST VALUE IS       0.00078 AT (  570802.77,
3733582.40,     1.10,     1.10,    0.00)  DC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
Y2OFFALL	1ST HIGHEST VALUE IS	0.00167 AT (569635.26, 3733489.98, 6.29, 6.29, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00166 AT (569798.77, 3733453.54, 5.25, 5.25, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00157 AT (570003.76, 3733432.37, 3.91, 3.91, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00147 AT (570205.94, 3733434.38, 3.77, 3.77, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00141 AT (570390.58, 3733461.97, 2.49, 2.49, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00139 AT (570602.35, 3733512.22, 1.80, 1.80, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00138 AT (570928.50, 3733665.75, 1.41, 1.41, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00134 AT (570933.72, 3733812.79, 2.21, 2.21, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00124 AT (570727.67, 3733549.01, 1.31, 1.31, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00113 AT (569968.32, 3733409.80, 3.96, 3.96, 0.00)	DC	
Y3OFFALL	1ST HIGHEST VALUE IS	0.00042 AT (569635.26, 3733489.98, 6.29, 6.29, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00042 AT (569798.77, 3733453.54, 5.25, 5.25, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00040 AT (570003.76, 3733432.37, 3.91, 3.91, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00037 AT (570205.94, 3733434.38, 3.77, 3.77, 0.00)	DC	

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          5TH HIGHEST VALUE IS       0.00036 AT (  570390.58,
3733461.97,     2.49,     2.49,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00035 AT (  570602.35,
3733512.22,     1.80,     1.80,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00035 AT (  570928.50,
3733665.75,     1.41,     1.41,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00034 AT (  570933.72,
3733812.79,     2.21,     2.21,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00031 AT (  570727.67,
3733549.01,     1.31,     1.31,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00029 AT (  569968.32,
3733409.80,     3.96,     3.96,    0.00)  DC

Y4OFFALL  1ST HIGHEST VALUE IS       0.00011 AT (  569635.26,
3733489.98,     6.29,     6.29,    0.00)  DC
          2ND HIGHEST VALUE IS       0.00011 AT (  569798.77,
3733453.54,     5.25,     5.25,    0.00)  DC
          3RD HIGHEST VALUE IS       0.00010 AT (  570003.76,
3733432.37,     3.91,     3.91,    0.00)  DC
          4TH HIGHEST VALUE IS       0.00009 AT (  570205.94,
3733434.38,     3.77,     3.77,    0.00)  DC
          5TH HIGHEST VALUE IS       0.00009 AT (  570390.58,
3733461.97,     2.49,     2.49,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00009 AT (  570602.35,
3733512.22,     1.80,     1.80,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00009 AT (  570928.50,
3733665.75,     1.41,     1.41,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00009 AT (  570933.72,
3733812.79,     2.21,     2.21,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00008 AT (  570727.67,
3733549.01,     1.31,     1.31,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00007 AT (  569968.32,
3733409.80,     3.96,     3.96,    0.00)  DC

Y1SWIALL  1ST HIGHEST VALUE IS       0.06434 AT (  569718.32,
3733659.80,     6.43,     6.43,    0.00)  DC
          2ND HIGHEST VALUE IS       0.06107 AT (  569968.32,
3733659.80,     5.02,     5.02,    0.00)  DC
          3RD HIGHEST VALUE IS       0.04135 AT (  569725.98,
3733818.79,     6.45,     6.45,    0.00)  DC
          4TH HIGHEST VALUE IS       0.04134 AT (  569775.98,
3733818.79,     6.22,     6.22,    0.00)  DC
          5TH HIGHEST VALUE IS       0.04099 AT (  569825.98,
3733818.79,     5.99,     5.99,    0.00)  DC
          6TH HIGHEST VALUE IS       0.04091 AT (  569675.98,
3733818.79,     6.69,     6.69,    0.00)  DC
          7TH HIGHEST VALUE IS       0.04034 AT (  569525.98,
3733818.79,     7.14,     7.14,    0.00)  DC
          8TH HIGHEST VALUE IS       0.04013 AT (  569625.98,
3733818.79,     6.97,     6.97,    0.00)  DC
          9TH HIGHEST VALUE IS       0.04001 AT (  569875.98,
3733818.79,     5.76,     5.76,    0.00)  DC
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         10TH HIGHEST VALUE IS       0.03955 AT (  569575.98,
3733818.79,     7.12,     7.12,    0.00)  DC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
Y2SWIALL	1ST HIGHEST VALUE IS	0.06249 AT (569968.32, 3733659.80, 5.02, 5.02, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.04317 AT (569718.32, 3733659.80, 6.43, 6.43, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.03838 AT (569875.98, 3733818.79, 5.76, 5.76, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.03753 AT (569825.98, 3733818.79, 5.99, 5.99, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.03746 AT (569925.98, 3733818.79, 5.55, 5.55, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.03517 AT (569975.98, 3733818.79, 5.35, 5.35, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.03267 AT (570003.76, 3733432.37, 3.91, 3.91, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.03084 AT (570025.98, 3733818.79, 5.16, 5.16, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.03031 AT (569798.77, 3733453.54, 5.25, 5.25, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.02939 AT (569775.98, 3733818.79, 6.22, 6.22, 0.00)	DC	
Y3SWIALL	1ST HIGHEST VALUE IS	0.00013 AT (569718.32, 3733659.80, 6.43, 6.43, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00012 AT (569968.32, 3733659.80, 5.02, 5.02, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00008 AT (569725.98, 3733818.79, 6.45, 6.45, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00008 AT (569775.98, 3733818.79, 6.22, 6.22, 0.00)	DC	

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          5TH HIGHEST VALUE IS       0.00008 AT (  569825.98,
3733818.79,     5.99,     5.99,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00008 AT (  569675.98,
3733818.79,     6.69,     6.69,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00008 AT (  569625.98,
3733818.79,     6.97,     6.97,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00008 AT (  569525.98,
3733818.79,     7.14,     7.14,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00008 AT (  569875.98,
3733818.79,     5.76,     5.76,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00008 AT (  569575.98,
3733818.79,     7.12,     7.12,    0.00)  DC

Y1SEIALL  1ST HIGHEST VALUE IS       0.06354 AT (  570468.32,
3733659.80,     3.13,     3.13,    0.00)  DC
          2ND HIGHEST VALUE IS       0.06027 AT (  570218.32,
3733659.80,     4.13,     4.13,    0.00)  DC
          3RD HIGHEST VALUE IS       0.04333 AT (  570233.72,
3733812.79,     4.44,     4.44,    0.00)  DC
          4TH HIGHEST VALUE IS       0.04321 AT (  570283.72,
3733812.79,     4.31,     4.31,    0.00)  DC
          5TH HIGHEST VALUE IS       0.04258 AT (  570333.72,
3733812.79,     4.15,     4.15,    0.00)  DC
          6TH HIGHEST VALUE IS       0.04249 AT (  570183.72,
3733812.79,     4.58,     4.58,    0.00)  DC
          7TH HIGHEST VALUE IS       0.04243 AT (  570383.72,
3733812.79,     4.02,     4.02,    0.00)  DC
          8TH HIGHEST VALUE IS       0.04171 AT (  570433.72,
3733812.79,     3.88,     3.88,    0.00)  DC
          9TH HIGHEST VALUE IS       0.04063 AT (  570483.72,
3733812.79,     3.74,     3.74,    0.00)  DC
         10TH HIGHEST VALUE IS       0.03928 AT (  570133.72,
3733812.79,     4.74,     4.74,    0.00)  DC

Y2SEIALL  1ST HIGHEST VALUE IS       0.06682 AT (  570468.32,
3733659.80,     3.13,     3.13,    0.00)  DC
          2ND HIGHEST VALUE IS       0.06256 AT (  570218.32,
3733659.80,     4.13,     4.13,    0.00)  DC
          3RD HIGHEST VALUE IS       0.04353 AT (  570233.72,
3733812.79,     4.44,     4.44,    0.00)  DC
          4TH HIGHEST VALUE IS       0.04345 AT (  570283.72,
3733812.79,     4.31,     4.31,    0.00)  DC
          5TH HIGHEST VALUE IS       0.04287 AT (  570333.72,
3733812.79,     4.15,     4.15,    0.00)  DC
          6TH HIGHEST VALUE IS       0.04274 AT (  570383.72,
3733812.79,     4.02,     4.02,    0.00)  DC
          7TH HIGHEST VALUE IS       0.04258 AT (  570183.72,
3733812.79,     4.58,     4.58,    0.00)  DC
          8TH HIGHEST VALUE IS       0.04246 AT (  570718.32,
3733659.80,     2.01,     2.01,    0.00)  DC
          9TH HIGHEST VALUE IS       0.04204 AT (  570433.72,
3733812.79,     3.88,     3.88,    0.00)  DC
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         10TH HIGHEST VALUE IS       0.04095 AT (  570483.72,
3733812.79,     3.74,     3.74,    0.00)  DC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
Y3SEIALL	1ST HIGHEST VALUE IS	0.00013 AT (570468.32, 3733659.80, 3.13, 3.13, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00012 AT (570218.32, 3733659.80, 4.13, 4.13, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00008 AT (570233.72, 3733812.79, 4.44, 4.44, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00008 AT (570283.72, 3733812.79, 4.31, 4.31, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00008 AT (570333.72, 3733812.79, 4.15, 4.15, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00008 AT (570383.72, 3733812.79, 4.02, 4.02, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00008 AT (570183.72, 3733812.79, 4.58, 4.58, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00008 AT (570718.32, 3733659.80, 2.01, 2.01, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00008 AT (570433.72, 3733812.79, 3.88, 3.88, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00008 AT (570483.72, 3733812.79, 3.74, 3.74, 0.00)	DC	
Y1NWRALL	1ST HIGHEST VALUE IS	0.06100 AT (569625.98, 3733918.79, 6.76, 6.76, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.06091 AT (569675.98, 3733918.79, 6.52, 6.52, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.06062 AT (569725.98, 3733918.79, 6.32, 6.32, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.06018 AT (569775.98, 3733918.79, 6.13, 6.13, 0.00)	DC	

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          5TH HIGHEST VALUE IS       0.05999 AT (  569718.32,
3733909.80,     6.37,     6.37,    0.00)  DC
          6TH HIGHEST VALUE IS       0.05997 AT (  569575.98,
3733918.79,     6.96,     6.96,    0.00)  DC
          7TH HIGHEST VALUE IS       0.05964 AT (  569825.98,
3733918.79,     5.96,     5.96,    0.00)  DC
          8TH HIGHEST VALUE IS       0.05895 AT (  569875.98,
3733918.79,     5.80,     5.80,    0.00)  DC
          9TH HIGHEST VALUE IS       0.05879 AT (  569625.98,
3733968.79,     6.64,     6.64,    0.00)  DC
         10TH HIGHEST VALUE IS       0.05864 AT (  569675.98,
3733968.79,     6.44,     6.44,    0.00)  DC

Y2NWRALL  1ST HIGHEST VALUE IS       0.06898 AT (  569625.98,
3733918.79,     6.76,     6.76,    0.00)  DC
          2ND HIGHEST VALUE IS       0.06898 AT (  569675.98,
3733918.79,     6.52,     6.52,    0.00)  DC
          3RD HIGHEST VALUE IS       0.06872 AT (  569725.98,
3733918.79,     6.32,     6.32,    0.00)  DC
          4TH HIGHEST VALUE IS       0.06827 AT (  569775.98,
3733918.79,     6.13,     6.13,    0.00)  DC
          5TH HIGHEST VALUE IS       0.06822 AT (  569718.32,
3733909.80,     6.37,     6.37,    0.00)  DC
          6TH HIGHEST VALUE IS       0.06771 AT (  569825.98,
3733918.79,     5.96,     5.96,    0.00)  DC
          7TH HIGHEST VALUE IS       0.06762 AT (  569575.98,
3733918.79,     6.96,     6.96,    0.00)  DC
          8TH HIGHEST VALUE IS       0.06699 AT (  569875.98,
3733918.79,     5.80,     5.80,    0.00)  DC
          9TH HIGHEST VALUE IS       0.06599 AT (  569925.98,
3733918.79,     5.66,     5.66,    0.00)  DC
         10TH HIGHEST VALUE IS       0.06514 AT (  569625.98,
3733968.79,     6.64,     6.64,    0.00)  DC

Y3NWRALL  1ST HIGHEST VALUE IS       0.02874 AT (  569625.98,
3733918.79,     6.76,     6.76,    0.00)  DC
          2ND HIGHEST VALUE IS       0.02874 AT (  569675.98,
3733918.79,     6.52,     6.52,    0.00)  DC
          3RD HIGHEST VALUE IS       0.02863 AT (  569725.98,
3733918.79,     6.32,     6.32,    0.00)  DC
          4TH HIGHEST VALUE IS       0.02845 AT (  569775.98,
3733918.79,     6.13,     6.13,    0.00)  DC
          5TH HIGHEST VALUE IS       0.02843 AT (  569718.32,
3733909.80,     6.37,     6.37,    0.00)  DC
          6TH HIGHEST VALUE IS       0.02821 AT (  569825.98,
3733918.79,     5.96,     5.96,    0.00)  DC
          7TH HIGHEST VALUE IS       0.02817 AT (  569575.98,
3733918.79,     6.96,     6.96,    0.00)  DC
          8TH HIGHEST VALUE IS       0.02791 AT (  569875.98,
3733918.79,     5.80,     5.80,    0.00)  DC
          9TH HIGHEST VALUE IS       0.02750 AT (  569925.98,
3733918.79,     5.66,     5.66,    0.00)  DC
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         10TH HIGHEST VALUE IS       0.02714 AT (  569625.98,
3733968.79,     6.64,     6.64,    0.00)  DC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
Y1NERALL	1ST HIGHEST VALUE IS	0.06070 AT (570333.72, 3733962.79, 4.54, 4.54, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.06067 AT (570383.72, 3733962.79, 4.41, 4.41, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.06066 AT (570383.72, 3733912.79, 4.28, 4.28, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.06055 AT (570433.72, 3733912.79, 4.14, 4.14, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.06050 AT (570333.72, 3733912.79, 4.41, 4.41, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.06043 AT (570283.72, 3733962.79, 4.66, 4.66, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.06043 AT (570433.72, 3733962.79, 4.27, 4.27, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.06029 AT (570483.72, 3733912.79, 4.00, 4.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.06012 AT (570483.72, 3733962.79, 4.16, 4.16, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.06004 AT (570468.32, 3733909.80, 4.03, 4.03, 0.00)	DC	
Y2NERALL	1ST HIGHEST VALUE IS	0.06486 AT (570383.72, 3733912.79, 4.28, 4.28, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.06480 AT (570433.72, 3733912.79, 4.14, 4.14, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.06461 AT (570333.72, 3733912.79, 4.41, 4.41, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.06457 AT (570483.72, 3733912.79, 4.00, 4.00, 0.00)	DC	

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          5TH HIGHEST VALUE IS       0.06436 AT (  570468.32,
3733909.80,     4.03,     4.03,    0.00)  DC
          6TH HIGHEST VALUE IS       0.06425 AT (  570533.72,
3733912.79,     3.88,     3.88,    0.00)  DC
          7TH HIGHEST VALUE IS       0.06388 AT (  570283.72,
3733912.79,     4.54,     4.54,    0.00)  DC
          8TH HIGHEST VALUE IS       0.06364 AT (  570583.72,
3733912.79,     3.72,     3.72,    0.00)  DC
          9TH HIGHEST VALUE IS       0.06362 AT (  570383.72,
3733962.79,     4.41,     4.41,    0.00)  DC
         10TH HIGHEST VALUE IS       0.06358 AT (  570333.72,
3733962.79,     4.54,     4.54,    0.00)  DC

Y3NERALL  1ST HIGHEST VALUE IS       0.05963 AT (  570383.72,
3733912.79,     4.28,     4.28,    0.00)  DC
          2ND HIGHEST VALUE IS       0.05958 AT (  570433.72,
3733912.79,     4.14,     4.14,    0.00)  DC
          3RD HIGHEST VALUE IS       0.05940 AT (  570333.72,
3733912.79,     4.41,     4.41,    0.00)  DC
          4TH HIGHEST VALUE IS       0.05936 AT (  570483.72,
3733912.79,     4.00,     4.00,    0.00)  DC
          5TH HIGHEST VALUE IS       0.05917 AT (  570468.32,
3733909.80,     4.03,     4.03,    0.00)  DC
          6TH HIGHEST VALUE IS       0.05907 AT (  570533.72,
3733912.79,     3.88,     3.88,    0.00)  DC
          7TH HIGHEST VALUE IS       0.05873 AT (  570283.72,
3733912.79,     4.54,     4.54,    0.00)  DC
          8TH HIGHEST VALUE IS       0.05851 AT (  570583.72,
3733912.79,     3.72,     3.72,    0.00)  DC
          9TH HIGHEST VALUE IS       0.05849 AT (  570383.72,
3733962.79,     4.41,     4.41,    0.00)  DC
         10TH HIGHEST VALUE IS       0.05846 AT (  570333.72,
3733962.79,     4.54,     4.54,    0.00)  DC

Y4ONALL   1ST HIGHEST VALUE IS       0.02417 AT (  570383.72,
3733912.79,     4.28,     4.28,    0.00)  DC
          2ND HIGHEST VALUE IS       0.02415 AT (  570433.72,
3733912.79,     4.14,     4.14,    0.00)  DC
          3RD HIGHEST VALUE IS       0.02408 AT (  570333.72,
3733912.79,     4.41,     4.41,    0.00)  DC
          4TH HIGHEST VALUE IS       0.02406 AT (  570483.72,
3733912.79,     4.00,     4.00,    0.00)  DC
          5TH HIGHEST VALUE IS       0.02398 AT (  570468.32,
3733909.80,     4.03,     4.03,    0.00)  DC
          6TH HIGHEST VALUE IS       0.02394 AT (  570533.72,
3733912.79,     3.88,     3.88,    0.00)  DC
          7TH HIGHEST VALUE IS       0.02380 AT (  570283.72,
3733912.79,     4.54,     4.54,    0.00)  DC
          8TH HIGHEST VALUE IS       0.02371 AT (  570583.72,
3733912.79,     3.72,     3.72,    0.00)  DC
          9TH HIGHEST VALUE IS       0.02371 AT (  570383.72,
3733962.79,     4.41,     4.41,    0.00)  DC
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         10TH HIGHEST VALUE IS       0.02370 AT (  570333.72,
3733962.79,     4.54,     4.54,    0.00)  DC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
Y1SECALL	1ST HIGHEST VALUE IS	0.09549 AT	(570783.72, 3733812.79, 2.63, 2.63, 0.00)	DC
	2ND HIGHEST VALUE IS	0.08747 AT	(570833.72, 3733812.79, 2.48, 2.48, 0.00)	DC
	3RD HIGHEST VALUE IS	0.08306 AT	(570733.72, 3733812.79, 2.80, 2.80, 0.00)	DC
	4TH HIGHEST VALUE IS	0.06263 AT	(570883.72, 3733812.79, 2.34, 2.34, 0.00)	DC
	5TH HIGHEST VALUE IS	0.06046 AT	(570928.50, 3733665.75, 1.41, 1.41, 0.00)	DC
	6TH HIGHEST VALUE IS	0.05069 AT	(570802.77, 3733582.40, 1.10, 1.10, 0.00)	DC
	7TH HIGHEST VALUE IS	0.05016 AT	(570718.32, 3733659.80, 2.01, 2.01, 0.00)	DC
	8TH HIGHEST VALUE IS	0.04698 AT	(570783.72, 3733862.79, 2.83, 2.83, 0.00)	DC
	9TH HIGHEST VALUE IS	0.04635 AT	(570733.72, 3733862.79, 3.03, 3.03, 0.00)	DC
	10TH HIGHEST VALUE IS	0.04096 AT	(570683.72, 3733812.79, 2.96, 2.96, 0.00)	DC
Y2SECALL	1ST HIGHEST VALUE IS	0.06329 AT	(570783.72, 3733812.79, 2.63, 2.63, 0.00)	DC
	2ND HIGHEST VALUE IS	0.05812 AT	(570833.72, 3733812.79, 2.48, 2.48, 0.00)	DC
	3RD HIGHEST VALUE IS	0.05498 AT	(570733.72, 3733812.79, 2.80, 2.80, 0.00)	DC
	4TH HIGHEST VALUE IS	0.04638 AT	(570928.50, 3733665.75, 1.41, 1.41, 0.00)	DC

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          5TH HIGHEST VALUE IS       0.04181 AT (  570883.72,
3733812.79,     2.34,     2.34,    0.00)  DC
          6TH HIGHEST VALUE IS       0.03880 AT (  570802.77,
3733582.40,     1.10,     1.10,    0.00)  DC
          7TH HIGHEST VALUE IS       0.03292 AT (  570718.32,
3733659.80,     2.01,     2.01,    0.00)  DC
          8TH HIGHEST VALUE IS       0.03205 AT (  570783.72,
3733862.79,     2.83,     2.83,    0.00)  DC
          9TH HIGHEST VALUE IS       0.03155 AT (  570733.72,
3733862.79,     3.03,     3.03,    0.00)  DC
         10TH HIGHEST VALUE IS       0.02730 AT (  570683.72,
3733812.79,     2.96,     2.96,    0.00)  DC

Y1ALL     1ST HIGHEST VALUE IS       0.20756 AT (  570883.72,
3733912.79,     2.74,     2.74,    0.00)  DC
          2ND HIGHEST VALUE IS       0.20052 AT (  570833.72,
3733912.79,     2.87,     2.87,    0.00)  DC
          3RD HIGHEST VALUE IS       0.19624 AT (  570883.72,
3733862.79,     2.55,     2.55,    0.00)  DC
          4TH HIGHEST VALUE IS       0.19352 AT (  570833.72,
3733962.79,     3.07,     3.07,    0.00)  DC
          5TH HIGHEST VALUE IS       0.19045 AT (  570883.72,
3733962.79,     2.92,     2.92,    0.00)  DC
          6TH HIGHEST VALUE IS       0.18549 AT (  570833.72,
3733862.79,     2.68,     2.68,    0.00)  DC
          7TH HIGHEST VALUE IS       0.18091 AT (  570883.72,
3733812.79,     2.34,     2.34,    0.00)  DC
          8TH HIGHEST VALUE IS       0.17827 AT (  570783.72,
3733812.79,     2.63,     2.63,    0.00)  DC
          9TH HIGHEST VALUE IS       0.17762 AT (  570833.72,
3733812.79,     2.48,     2.48,    0.00)  DC
         10TH HIGHEST VALUE IS       0.16955 AT (  570733.72,
3733812.79,     2.80,     2.80,    0.00)  DC

Y1WO-NWR  1ST HIGHEST VALUE IS       0.20705 AT (  570883.72,
3733912.79,     2.74,     2.74,    0.00)  DC
          2ND HIGHEST VALUE IS       0.19996 AT (  570833.72,
3733912.79,     2.87,     2.87,    0.00)  DC
          3RD HIGHEST VALUE IS       0.19570 AT (  570883.72,
3733862.79,     2.55,     2.55,    0.00)  DC
          4TH HIGHEST VALUE IS       0.19298 AT (  570833.72,
3733962.79,     3.07,     3.07,    0.00)  DC
          5TH HIGHEST VALUE IS       0.18996 AT (  570883.72,
3733962.79,     2.92,     2.92,    0.00)  DC
          6TH HIGHEST VALUE IS       0.18491 AT (  570833.72,
3733862.79,     2.68,     2.68,    0.00)  DC
          7TH HIGHEST VALUE IS       0.18034 AT (  570883.72,
3733812.79,     2.34,     2.34,    0.00)  DC
          8TH HIGHEST VALUE IS       0.17759 AT (  570783.72,
3733812.79,     2.63,     2.63,    0.00)  DC
          9TH HIGHEST VALUE IS       0.17701 AT (  570833.72,
3733812.79,     2.48,     2.48,    0.00)  DC
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         10TH HIGHEST VALUE IS       0.16880 AT (  570733.72,
3733812.79,     2.80,     2.80,    0.00)  DC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
Y2ALL	1ST HIGHEST VALUE IS	0.10817 AT	(570783.72, 3733812.79, 2.63, 2.63, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.10549 AT	(570733.72, 3733812.79, 2.80, 2.80, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.10265 AT	(570833.72, 3733812.79, 2.48, 2.48, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.09299 AT	(570183.72, 3733912.79, 4.81, 4.81, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.09291 AT	(570733.72, 3733862.79, 3.03, 3.03, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.09277 AT	(570133.72, 3733912.79, 4.97, 4.97, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.09256 AT	(569718.32, 3733909.80, 6.37, 6.37, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.09250 AT	(570218.32, 3733909.80, 4.71, 4.71, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.09226 AT	(570683.72, 3733812.79, 2.96, 2.96, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.09224 AT	(569775.98, 3733918.79, 6.13, 6.13, 0.00)	DC	
Y2WO_NWR	1ST HIGHEST VALUE IS	0.10730 AT	(570783.72, 3733812.79, 2.63, 2.63, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.10453 AT	(570733.72, 3733812.79, 2.80, 2.80, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.10186 AT	(570833.72, 3733812.79, 2.48, 2.48, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.09200 AT	(570733.72, 3733862.79, 3.03, 3.03, 0.00)	DC	

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          5TH HIGHEST VALUE IS       0.09117 AT (  570683.72,
3733812.79,     2.96,     2.96,    0.00)  DC
          6TH HIGHEST VALUE IS       0.09098 AT (  570783.72,
3733862.79,     2.83,     2.83,    0.00)  DC
          7TH HIGHEST VALUE IS       0.09091 AT (  570833.72,
3733862.79,     2.68,     2.68,    0.00)  DC
          8TH HIGHEST VALUE IS       0.09007 AT (  570883.72,
3733812.79,     2.34,     2.34,    0.00)  DC
          9TH HIGHEST VALUE IS       0.09006 AT (  570833.72,
3733912.79,     2.87,     2.87,    0.00)  DC
         10TH HIGHEST VALUE IS       0.08877 AT (  570683.72,
3733862.79,     3.18,     3.18,    0.00)  DC

Y3WO_NWR  1ST HIGHEST VALUE IS       0.05967 AT (  570383.72,
3733912.79,     4.28,     4.28,    0.00)  DC
          2ND HIGHEST VALUE IS       0.05961 AT (  570433.72,
3733912.79,     4.14,     4.14,    0.00)  DC
          3RD HIGHEST VALUE IS       0.05944 AT (  570333.72,
3733912.79,     4.41,     4.41,    0.00)  DC
          4TH HIGHEST VALUE IS       0.05940 AT (  570483.72,
3733912.79,     4.00,     4.00,    0.00)  DC
          5TH HIGHEST VALUE IS       0.05921 AT (  570468.32,
3733909.80,     4.03,     4.03,    0.00)  DC
          6TH HIGHEST VALUE IS       0.05910 AT (  570533.72,
3733912.79,     3.88,     3.88,    0.00)  DC
          7TH HIGHEST VALUE IS       0.05877 AT (  570283.72,
3733912.79,     4.54,     4.54,    0.00)  DC
          8TH HIGHEST VALUE IS       0.05853 AT (  570583.72,
3733912.79,     3.72,     3.72,    0.00)  DC
          9TH HIGHEST VALUE IS       0.05852 AT (  570383.72,
3733962.79,     4.41,     4.41,    0.00)  DC
         10TH HIGHEST VALUE IS       0.05849 AT (  570333.72,
3733962.79,     4.54,     4.54,    0.00)  DC

Y3ALL     1ST HIGHEST VALUE IS       0.06086 AT (  570333.72,
3733912.79,     4.41,     4.41,    0.00)  DC
          2ND HIGHEST VALUE IS       0.06076 AT (  570383.72,
3733912.79,     4.28,     4.28,    0.00)  DC
          3RD HIGHEST VALUE IS       0.06074 AT (  570283.72,
3733912.79,     4.54,     4.54,    0.00)  DC
          4TH HIGHEST VALUE IS       0.06048 AT (  570433.72,
3733912.79,     4.14,     4.14,    0.00)  DC
          5TH HIGHEST VALUE IS       0.06011 AT (  570483.72,
3733912.79,     4.00,     4.00,    0.00)  DC
          6TH HIGHEST VALUE IS       0.06004 AT (  570233.72,
3733912.79,     4.67,     4.67,    0.00)  DC
          7TH HIGHEST VALUE IS       0.05997 AT (  570468.32,
3733909.80,     4.03,     4.03,    0.00)  DC
          8TH HIGHEST VALUE IS       0.05973 AT (  570283.72,
3733962.79,     4.66,     4.66,    0.00)  DC
          9TH HIGHEST VALUE IS       0.05971 AT (  570533.72,
3733912.79,     3.88,     3.88,    0.00)  DC
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         10TH HIGHEST VALUE IS       0.05967 AT (  570333.72,
3733962.79,     4.54,     4.54,    0.00)  DC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
Y4ALL	1ST HIGHEST VALUE IS	0.02418 AT (570383.72, 3733912.79, 4.28, 4.28, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.02416 AT (570433.72, 3733912.79, 4.14, 4.14, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.02408 AT (570333.72, 3733912.79, 4.41, 4.41, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.02407 AT (570483.72, 3733912.79, 4.00, 4.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.02399 AT (570468.32, 3733909.80, 4.03, 4.03, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.02395 AT (570533.72, 3733912.79, 3.88, 3.88, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.02381 AT (570283.72, 3733912.79, 4.54, 4.54, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.02372 AT (570583.72, 3733912.79, 3.72, 3.72, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.02371 AT (570383.72, 3733962.79, 4.41, 4.41, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.02370 AT (570333.72, 3733962.79, 4.54, 4.54, 0.00)	DC	
Y1SBSTAL	1ST HIGHEST VALUE IS	0.09537 AT (570205.94, 3733434.38, 3.77, 3.77, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.06489 AT (570218.32, 3733409.80, 3.64, 3.64, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.02001 AT (569968.32, 3733659.80, 5.02, 5.02, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.01173 AT (570003.76, 3733432.37, 3.91, 3.91, 0.00)	DC	

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          5TH HIGHEST VALUE IS       0.00702 AT (  569925.98,
3733818.79,     5.55,     5.55,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00675 AT (  569875.98,
3733818.79,     5.76,     5.76,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00667 AT (  569975.98,
3733818.79,     5.35,     5.35,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00602 AT (  569825.98,
3733818.79,     5.99,     5.99,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00578 AT (  570025.98,
3733818.79,     5.16,     5.16,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00540 AT (  569875.98,
3733868.79,     5.79,     5.79,    0.00)  DC

Y1STAALL  1ST HIGHEST VALUE IS       0.00991 AT (  569675.98,
3733818.79,     6.69,     6.69,    0.00)  DC
          2ND HIGHEST VALUE IS       0.00991 AT (  569625.98,
3733818.79,     6.97,     6.97,    0.00)  DC
          3RD HIGHEST VALUE IS       0.00979 AT (  569725.98,
3733818.79,     6.45,     6.45,    0.00)  DC
          4TH HIGHEST VALUE IS       0.00961 AT (  569775.98,
3733818.79,     6.22,     6.22,    0.00)  DC
          5TH HIGHEST VALUE IS       0.00941 AT (  569825.98,
3733818.79,     5.99,     5.99,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00930 AT (  570533.72,
3733862.79,     3.72,     3.72,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00930 AT (  570583.72,
3733862.79,     3.50,     3.50,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00928 AT (  570483.72,
3733862.79,     3.87,     3.87,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00927 AT (  570633.72,
3733862.79,     3.34,     3.34,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00926 AT (  570683.72,
3733862.79,     3.18,     3.18,    0.00)  DC

Y2NEC     1ST HIGHEST VALUE IS       0.05660 AT (  570883.72,
3733912.79,     2.74,     2.74,    0.00)  DC
          2ND HIGHEST VALUE IS       0.05431 AT (  570883.72,
3733962.79,     2.92,     2.92,    0.00)  DC
          3RD HIGHEST VALUE IS       0.04622 AT (  570883.72,
3733862.79,     2.55,     2.55,    0.00)  DC
          4TH HIGHEST VALUE IS       0.04584 AT (  570833.72,
3733962.79,     3.07,     3.07,    0.00)  DC
          5TH HIGHEST VALUE IS       0.04362 AT (  570833.72,
3734012.79,     3.24,     3.24,    0.00)  DC
          6TH HIGHEST VALUE IS       0.04159 AT (  570833.72,
3733912.79,     2.87,     2.87,    0.00)  DC
          7TH HIGHEST VALUE IS       0.03847 AT (  570883.72,
3734012.79,     3.05,     3.05,    0.00)  DC
          8TH HIGHEST VALUE IS       0.03690 AT (  570933.72,
3733912.79,     2.60,     2.60,    0.00)  DC
          9TH HIGHEST VALUE IS       0.03641 AT (  570933.72,
3733862.79,     2.42,     2.42,    0.00)  DC
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         10TH HIGHEST VALUE IS       0.03029 AT (  570933.72,
3733962.79,     2.74,     2.74,    0.00)  DC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
Y1WO_NER	1ST HIGHEST VALUE IS	0.19414 AT (570883.72, 3733912.79, 2.74, 2.74, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.18117 AT (570883.72, 3733862.79, 2.55, 2.55, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.18040 AT (570883.72, 3733962.79, 2.92, 2.92, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.17224 AT (570833.72, 3733912.79, 2.87, 2.87, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.17084 AT (570833.72, 3733962.79, 3.07, 3.07, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.16643 AT (570883.72, 3733812.79, 2.34, 2.34, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.15664 AT (570833.72, 3733862.79, 2.68, 2.68, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.15313 AT (570833.72, 3734012.79, 3.24, 3.24, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.15233 AT (570833.72, 3733812.79, 2.48, 2.48, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.14915 AT (570783.72, 3733812.79, 2.63, 2.63, 0.00)	DC	
Y2WO_NER	1ST HIGHEST VALUE IS	0.09171 AT (569718.32, 3733909.80, 6.37, 6.37, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.09124 AT (569725.98, 3733918.79, 6.32, 6.32, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.09114 AT (569775.98, 3733918.79, 6.13, 6.13, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.09102 AT (569675.98, 3733918.79, 6.52, 6.52, 0.00)	DC	

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          5TH HIGHEST VALUE IS       0.09082 AT (  569825.98,
3733918.79,     5.96,     5.96,    0.00)  DC
          6TH HIGHEST VALUE IS       0.09055 AT (  569775.98,
3733868.79,     6.20,     6.20,    0.00)  DC
          7TH HIGHEST VALUE IS       0.09042 AT (  569725.98,
3733868.79,     6.43,     6.43,    0.00)  DC
          8TH HIGHEST VALUE IS       0.09041 AT (  569625.98,
3733918.79,     6.76,     6.76,    0.00)  DC
          9TH HIGHEST VALUE IS       0.09036 AT (  569825.98,
3733868.79,     5.98,     5.98,    0.00)  DC
         10TH HIGHEST VALUE IS       0.09025 AT (  569875.98,
3733918.79,     5.80,     5.80,    0.00)  DC

Y3WO_NER  1ST HIGHEST VALUE IS       0.02878 AT (  569675.98,
3733918.79,     6.52,     6.52,    0.00)  DC
          2ND HIGHEST VALUE IS       0.02878 AT (  569625.98,
3733918.79,     6.76,     6.76,    0.00)  DC
          3RD HIGHEST VALUE IS       0.02867 AT (  569725.98,
3733918.79,     6.32,     6.32,    0.00)  DC
          4TH HIGHEST VALUE IS       0.02849 AT (  569775.98,
3733918.79,     6.13,     6.13,    0.00)  DC
          5TH HIGHEST VALUE IS       0.02847 AT (  569718.32,
3733909.80,     6.37,     6.37,    0.00)  DC
          6TH HIGHEST VALUE IS       0.02825 AT (  569825.98,
3733918.79,     5.96,     5.96,    0.00)  DC
          7TH HIGHEST VALUE IS       0.02821 AT (  569575.98,
3733918.79,     6.96,     6.96,    0.00)  DC
          8TH HIGHEST VALUE IS       0.02795 AT (  569875.98,
3733918.79,     5.80,     5.80,    0.00)  DC
          9TH HIGHEST VALUE IS       0.02754 AT (  569925.98,
3733918.79,     5.66,     5.66,    0.00)  DC
         10TH HIGHEST VALUE IS       0.02717 AT (  569625.98,
3733968.79,     6.64,     6.64,    0.00)  DC

Y1GRADIN  1ST HIGHEST VALUE IS       0.03603 AT (  570218.32,
3733659.80,     4.13,     4.13,    0.00)  DC
          2ND HIGHEST VALUE IS       0.03584 AT (  569968.32,
3733659.80,     5.02,     5.02,    0.00)  DC
          3RD HIGHEST VALUE IS       0.03563 AT (  570183.72,
3733812.79,     4.58,     4.58,    0.00)  DC
          4TH HIGHEST VALUE IS       0.03554 AT (  570233.72,
3733812.79,     4.44,     4.44,    0.00)  DC
          5TH HIGHEST VALUE IS       0.03534 AT (  570133.72,
3733812.79,     4.74,     4.74,    0.00)  DC
          6TH HIGHEST VALUE IS       0.03533 AT (  570283.72,
3733812.79,     4.31,     4.31,    0.00)  DC
          7TH HIGHEST VALUE IS       0.03509 AT (  570333.72,
3733812.79,     4.15,     4.15,    0.00)  DC
          8TH HIGHEST VALUE IS       0.03507 AT (  570125.98,
3733818.79,     4.78,     4.78,    0.00)  DC
          9TH HIGHEST VALUE IS       0.03481 AT (  570383.72,
3733812.79,     4.02,     4.02,    0.00)  DC
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         10TH HIGHEST VALUE IS       0.03471 AT (  569975.98,
3733818.79,     5.35,     5.35,    0.00)  DC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
Y1NECALL	1ST HIGHEST VALUE IS	0.15617 AT (570883.72, 3733912.79, 2.74, 2.74, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.15226 AT (570883.72, 3733962.79, 2.92, 2.92, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.13391 AT (570833.72, 3733962.79, 3.07, 3.07, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.12773 AT (570833.72, 3734012.79, 3.24, 3.24, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.12490 AT (570883.72, 3733862.79, 2.55, 2.55, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.12122 AT (570833.72, 3733912.79, 2.87, 2.87, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.11202 AT (570883.72, 3734012.79, 3.05, 3.05, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.09519 AT (570933.72, 3733912.79, 2.60, 2.60, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.09238 AT (570933.72, 3733862.79, 2.42, 2.42, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.07965 AT (570933.72, 3733962.79, 2.74, 2.74, 0.00)	DC	

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

```
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes
\Indio_Oasis_Construction-With-North-Receptors\Indio_Oasis_C ***
12/01/23
 *** AERMET - VERSION  16216 ***   ***
***        20:39:55

PAGE  14
 *** 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         1124 Informational Message(s)

 A Total of        43848 Hours Were Processed

 A Total of          595 Calm Hours Identified

 A Total of          529 Missing Hours Identified (  1.21
Percent)


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

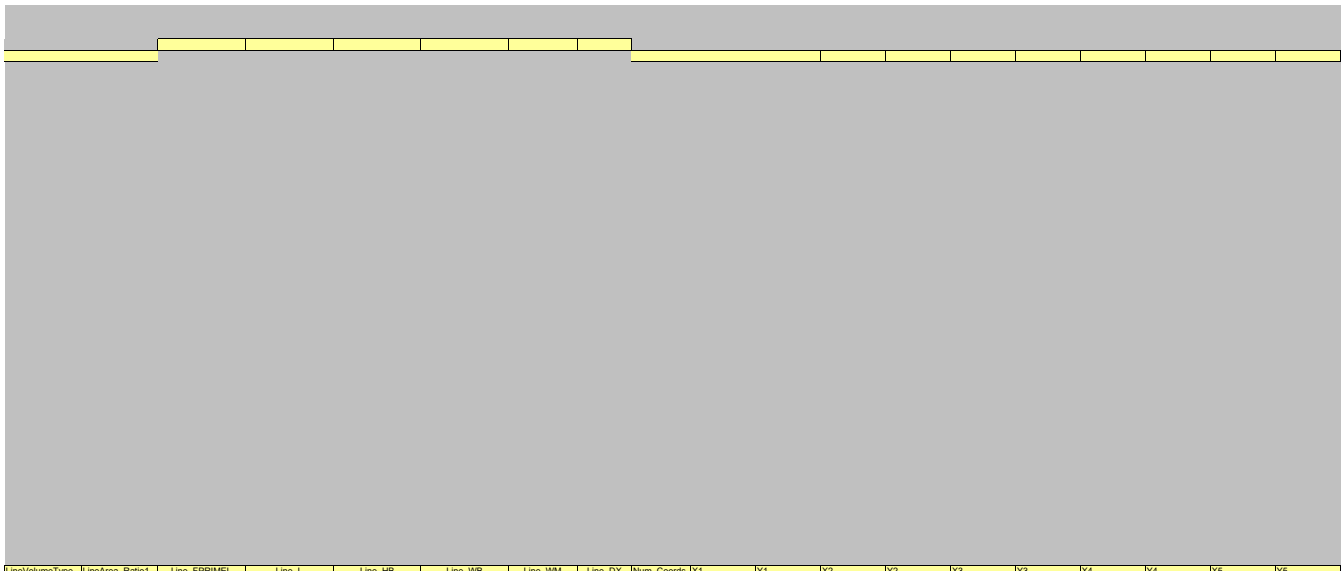

    ********   WARNING MESSAGES   ********
 ME W340   54448       PRBASE: Possible Error in PROFBASE Input:
Value is < 0        PROFBASE
 ME W186   54449       MEOPEN: THRESH_1MIN 1-min ASOS wind speed
threshold used          0.50
 ME W187   54449       MEOPEN: ADJ_U* Option for Stable Low Winds
used in AERMET
```

AERMOD View - Source Parameters
MS Excel - Lakes Format: Version 3.0
Supported Source Types: Point, Rectangular Area, Circular Area, Polygon Area, Volume, Open Pit, Line Volume, Line Area

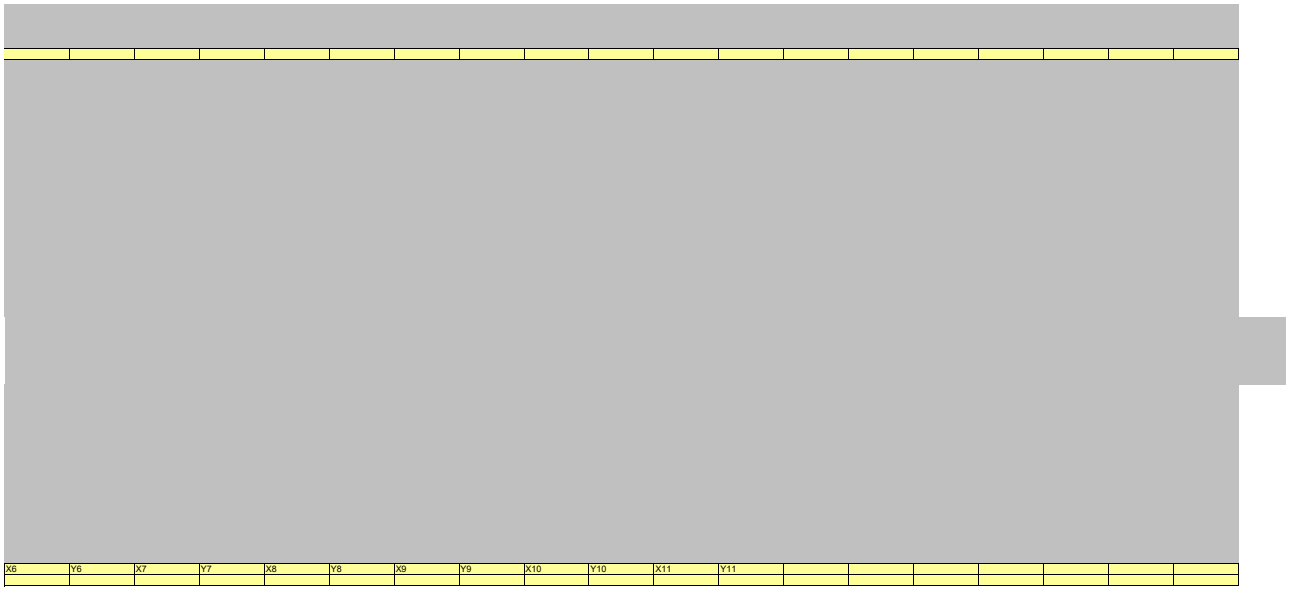
Parameters	Units	Description
Type		POINT, AREA, AREA_CIRC, AREA_POLY, VOLUME, OPEN_PIT, LINE, LINE_VOLUME, LINE_AREA, BUOYLINE, RLINE, RLINEXT
ID		Source ID up to 12 characters
Desc		Optional description
SourceID_Prefix		Text prefix up to 4 characters long for generated LINE_VOLUME, RLINE, RLINEXT and LINE_AREA sources
Base_Elev	[m]	Source base elevation above mean sea level
Height	[m]	Release height above ground
Diam	[m]	Inner stack diameter (POINT) or circular area radius (AREA_CIRC)
Exit_Vel	[m/s]	Exit velocity (POINT only)
Exit_Temp	[K]	Exit temperature (POINT only)
Release Type		VERTICAL, HORIZONTAL, CAPPED (POINT only) - HORIZONTAL and CAPPED are non-default beta options
SigmaY	[m]	Initial sigma Y (VOLUME only)
SigmaZ	[m]	Initial sigma Z (AREA, AREA_CIRC, AREA_POLY, VOLUME, LINE, RLINE, RLINEXT and LINE_AREA only; optional for AREA, AREA_CIRC, AREA_POLY, and LINE)
Length_X	[m]	X side length (AREA, VOLUME, OPEN PIT, RLINE, RLINEXT, and LINE_AREA only; optional for VOLUME, will be used to calculate SigmaY)
Length_Y	[m]	Y side length (AREA and OPEN PIT only); width for LINE sources; DCL for RLINEXT sources
Rotation_Angle	[degrees]	Clockwise rotation from North of Y side (AREA and OPEN PIT only)
Pit_Volume	[m^3]	Volume of the open pit (OPEN PIT only)
Emission_Rate	[g/s or g/s/m2]	Emission rate (g/s for POINT, VOLUME, and LINE_VOLUME; g/s/m2 for AREA, AREA_CIRC, AREA_POLY, OPENPIT, LINE, RLINE, RLINEXT and LINE_AREA)
Configuration		LINE_VOLUME configuration: Separated, Adjacent or Separated2W
LineVolumeHeight	[m]	Plume Height or Building Height for LINE_VOLUME source
PlumeWidth	[m]	Plume width for LINE_VOLUME source
LineVolumeType		LINE_VOLUME type: None, Surface-Based, Elevated, Elevated Building
LineArea_Ratio1		Ratio 1 for LINE_AREA sources
Line_FPRIMEL =	[m**4/s**3]	Average buoyance parameter (BUOYLINE source only)
Line_L =	[m]	Building Length (BUOYLINE source only)
Line_HB =	[m]	Building Height (BUOYLINE source only)
Line_WB =	[m]	Building Width (BUOYLINE source only)
Line_WM =	[m]	Line Source Width (BUOYLINE source only)
Line_DX =	[m]	Separation between buildings (BUOYLINE source only)
Num_Coords		Number of coordinate pairs (POINT, AREA, AREA_CIRC, VOLUME, OPENPIT = 1; AREA_POLY >= 3; LINE = 2; LINE_AREA, LINE_VOLUME >= 2, RLINE/RLINEXT >= 2)
X1	[m]	X coordinate of source location [m]
Y1	[m]	Y coordinate of source location [m]
X2	[m]	Secondary X coordinate of source location [m] (AREA_POLY, LINE, LINE_VOLUME, LINE_AREA, RLINE, RLINEXT, BUOYLINE sources only)
Y2	[m]	Secondary Y coordinate of source location [m] (AREA_POLY, LINE, LINE_VOLUME, LINE_AREA, RLINE, RLINEXT, BUOYLINE sources only)
X3	[m]	Additional X coordinate of source location [m] (AREA_POLY, LINE_VOLUME, RLINE, RLINEXT, LINE_AREA only)
Y3	[m]	Additional Y coordinate of source location [m] (AREA_POLY, LINE_VOLUME, RLINE, RLINEXT, LINE_AREA only)
X4	[m]	Additional X coordinate of source location [m] (AREA_POLY, LINE_VOLUME, RLINE, RLINEXT, LINE_AREA only)
Y4	[m]	Additional Y coordinate of source location [m] (AREA_POLY, LINE_VOLUME, RLINE, RLINEXT, LINE_AREA only)
Base_Elev_m	[m]	Base Elevation for LINE_VOLUME, LINE_AREA, RLINE, RLINEXT Nodes
Rel_Height_m	[m]	Release height for LINE_VOLUME, LINE_AREA, RLINE, RLINEXT Nodes
Rbarrier	[m]	Barrier properties HW1, DW1, HW2, DW2 for RLINEXT sources
Rdepression	[m]	Depression properties Depth, Wtop, Wbottom for RLINEXT sources

NOTE: you may keep adding additional coordinate pairs for an AREA_POLY or LINE_VOLUME sources, be sure to add the headers as well (eg. X5, Y5, etc)

Type	ID	Desc	SourceID_Prefix	Base_Elev	Height	Diam	Exit_Vel	Exit_Temp	Release_Type	SigmaY	SigmaZ	Length_X	Length_Y	Rotation_Angle	Pit_Volume	Emission_Rate	Configuration	LineVolumeHeight	PlumeWidth
				[m]	[m]	[m]	[m/s]	[K]		[m]	[m]	[m]	[m]	[deg]	[m^3]			[m]	[m]
AREA_P	PAREA1	09_NWRES_OnConYr1		6.9		5										5.39E-08			
AREA_P	PAREA52	09_NWRES_OnConYr2		6.9		5					0					4.08E-08			
AREA_P	PAREA53	09_NWRES_OnConYr3		6.9		5					0					0.000000017			
AREA_P	PAREA54	01MassGrading01		6.9		5					0					4.64972E-08			
AREA_P	PAREA12	10_NERES_OnConYr3		5.2		5					0					3.65E-08			
AREA_P	PAREA55	01MassGrading02		5.2		5					0					4.64972E-08			
AREA_P	PAREA61	10_NERES_OnConYr1		5.2		5					0					5.57E-08			
AREA_P	PAREA62	10_NERES_OnConYr2		5.2		5					0					3.97E-08			
AREA_P	PAREA63	10_NERES_OnConYr4		5.2		5					0					1.48E-08			
AREA_P	PAREA3	12_SECOM_OnConYr1		2.71		5										0.000000142			
AREA_P	PAREA8	12_SECOM_OnConYr2		2.71		5					0					6.62E-08			
AREA_P	PAREA56	01MassGrading03		3.54		5					0					4.64972E-08			
AREA_P	PAREA4	04_SWI_SE_OnConYr1		4.46		5										4.36E-08			
AREA_P	PAREA28	04_SWI_SE_OnConYr2		4.46		5					0					3.06E-08			
AREA_P	PAREA13	04_SWI_SE_OnConYr3		4.46		5					0					5.8E-11			
AREA_P	PAREA60	01MassGrading07		4.42		5					0					4.64972E-08			
AREA_P	PAREA5	05_SEI_SW_OnConYr1		4.44		5										4.51E-08			
AREA_P	PAREA21	05_SEI_SE_OnConYr1		1.82		5					0					4.51E-08			
AREA_P	PAREA22	05_SEI_NE_OnConYr1		1.82		5					0					4.51E-08			
AREA_P	PAREA23	05_SEI_NW_OnConYr1		4.45		5					0					4.51E-08			
AREA_P	PAREA10	05_SEI_SW_OnConYr2		4.44		5					0					3.14E-08			
AREA_P	PAREA30	05_SEI_SE_OnConYr2		1.82		5					0					3.14E-08			
AREA_P	PAREA31	05_SEI_NE_OnConYr2		1.82		5					0					3.14E-08			
AREA_P	PAREA32	05_SEI_NW_OnConYr2		4.45		5					0					3.14E-08			
AREA_P	PAREA39	05_SEI_SW_OnConYr3		4.44		5					0					6.1E-11			
AREA_P	PAREA14	05_SEI_SE_OnConYr3		1.82		5					0					6.1E-11			
AREA_P	PAREA42	05_SEI_NE_OnConYr3		1.82		5					0					6.1E-11			
AREA_P	PAREA44	05_SEI_NW_OnConYr3		4.45		5					0					6.1E-11			
AREA_P	PAREA57	01MassGrading04		1.82		5					0					4.64972E-08			
AREA_P	PAREA58	01MassGrading05		1.82		5					0					4.64972E-08			
LINE_A	RARLN1	09_NW_OffConYr1											20			4.08E-10			
LINE_A	RARLN1																		
LINE_A	RARLN1																		
LINE_A	RARLN2	10_NERES_OffConYr1											20			7.67892E-10			
LINE_A	RARLN2																		
LINE_A	RARLN2																		
LINE_A	RARLN3	12_SECOM_OffConYr1											20			4.13E-10			
LINE_A	RARLN3																		
LINE_A	RARLN3																		
LINE_A	RARLN4	04_SWI_OffConYr1											20			1.21E-09			
LINE_A	RARLN4																		
LINE_A	RARLN4																		
LINE_A	RARLN5	05_SEI_OffConYr1											20			1.40179E-09			
LINE_A	RARLN5																		
LINE_A	RARLN5																		
LINE_A	RARLN6	03_Substation_OffConYr1											20			7.84E-11			
LINE_A	RARLN6																		
LINE_A	RARLN6																		
LINE_A	RARLN7	02_StA_OffConYr1											20			5.85E-10			
LINE_A	RARLN7																		
LINE_A	RARLN7																		
LINE_A	RARLN8	09_NW_OffConYr2											20			4.81865E-10			
LINE_A	RARLN8																		
LINE_A	RARLN8																		
LINE_A	RARLN9	10_NERES_OffConYr2											20			9.54E-10			
LINE_A	RARLN9																		
LINE_A	RARLN9																		
LINE_A	RARLN10	04_SWI_OffConYr2											20			1.20337E-09			
LINE_A	RARLN10																		
LINE_A	RARLN10																		
LINE_A	RARLN11	05_SEI_OffConYr2											20			1.39664E-09			
LINE_A	RARLN11																		
LINE_A	RARLN11																		
LINE_A	RARLN13	09_NW_OffConYr3											20			1.83727E-10			
LINE_A	RARLN13																		
LINE_A	RARLN13																		
LINE_A	RARLN14	10_NERES_OffConYr3											20			9.06E-10			
LINE_A	RARLN14																		
LINE_A	RARLN14																		
LINE_A	RARLN17	10_NERES_OffConYr4											20			2.73143E-10			
LINE_A	RARLN17																		
LINE_A	RARLN17																		
LINE_A	RARLN21	01MassGrading_OffConYr1											20			7.96684E-11			
LINE_A	RARLN21																		
LINE_A	RARLN21																		
LINE_A	RARLN22	11_NECOM_OffConYr1											20			2.28564E-11			
LINE_A	RARLN22																		
LINE_A	RARLN22																		
LINE_A	RARLN23	03_Substation_OffConYr2											20			1.04619E-11			
LINE_A	RARLN23																		
LINE_A	RARLN23																		
LINE_A	RARLN24	11_NECOM_OffConYr2											20			6.35E-12			
LINE_A	RARLN24																		
LINE_A	RARLN24																		
LINE_A	RARLN25	12_SECOM_OffConYr2											20			2.45571E-10			
LINE_A	RARLN25																		
LINE_A	RARLN25																		
AREA_P	PAREA33	04_SWI_NE_OnConYr3		4.75		5										5.8E-11			
AREA_P	PAREA29	04_SWI_NE_OnConYr2		4.75		5					0					3.06E-08			
AREA_P	PAREA24	04_SWI_NE_OnConYr1		4.75		5					0					4.36E-08			
AREA_P	PAREA59	01MassGrading06		4.73		5					0					4.64972E-08			
AREA_P	PAREA25	04_SWI_SW_ConYr1		5.94		5										4.36E-08			
AREA_P	PAREA27	04_SWI_SW_ConYr2		5.94		5					0					3.06E-08			
AREA_P	PAREA35	04_SWI_SW_ConYr3		5.94		5					0					5.8E-11			
AREA_P	PAREA26	04_SWI_NW_ConYr1		5.95		5										4.36E-08			
AREA_P	PAREA49	04_SWI_NW_ConYr2		5.95		5					0					3.06E-08			
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AREA_P	PAREA65	11_NECOM_OnConYr1		3.22		5										0.000000242			
AREA_P	PAREA66	11_NECOM_OnConYr2		3.22		5					0					5.85E-08			



LineVolumeType	LineArea_Ratio1	Line_FPRIMEL	Line_L	Line_HB	Line_WB	Line_WM	Line_DX	Num_Coords	X1	Y1	X2	Y2	X3	Y3	X4	Y4	X5	Y5
									[m]	[m]	[m]	[m]	[m]	[m]	[m]	[m]		
								5	569453.08	3733836.72	569457.14	3733815.93	570124.54	3733819.75	570125.76	3734009.61	569459.50	3734009.95
								5	569453.08	3733836.72	569457.14	3733815.93	570124.54	3733819.75	570125.76	3734009.61	569459.50	3734009.95
								5	569453.08	3733836.72	569457.14	3733815.93	570124.54	3733819.75	570125.76	3734009.61	569459.50	3734009.95
								5	569453.08	3733836.72	569459.61	3733791.21	570124.54	3733795.03	570125.76	3734009.61	569459.50	3734009.95
								4	570124.35	3734010.44	570123.96	3733820.20	570836.96	3733820.79	570837.72	3734010.16		
								4	570124.35	3734010.44	570125.01	3733792.88	570746.61	3733791.05	570750.41	3734005.71		
								4	570124.35	3734010.44	570123.96	3733820.20	570837.54	3733820.31	570837.68	3734009.55		
								4	570124.35	3734010.44	570123.96	3733820.20	570836.99	3733820.79	570837.71	3734010.16		
								4	570124.35	3734010.44	570123.96	3733820.20	570836.99	3733820.79	570837.69	3734010.16		
								7	570744.88	3733801.22	570742.34	3733560.26	570798.78	3733581.18	570921.16	3733662.98	570930.67	3733671.86
								7	570744.88	3733801.22	570742.34	3733560.26	570798.78	3733581.18	570921.16	3733662.98	570930.67	3733671.86
								7	570748.03	3734009.22	570742.34	3733560.26	570798.78	3733581.18	570921.16	3733662.98	570930.67	3733671.86
								7	570123.71	3733657.51	570128.18	3733503.61	570049.70	3733500.51	570047.63	3733435.46	570003.23	3733433.39
								7	570123.71	3733657.51	570128.18	3733503.61	570049.70	3733500.51	570047.63	3733435.46	570003.23	3733433.39
								7	570123.71	3733657.51	570128.18	3733503.61	570049.70	3733500.51	570047.63	3733435.46	570003.23	3733433.39
								8	570126.38	3733641.44	570128.18	3733431.28	569984.15	3733433.14	569803.25	3733453.19	569634.21	3733491.71
								7	570126.22	3733654.76	570124.85	3733500.24	570200.33	3733502.87	570201.21	3733438.80	570386.43	3733463.37
								6	570743.79	3733649.11	570743.34	3733553.51	570588.91	3733507.88	570386.43	3733463.37	570386.61	3733559.34
								4	570743.79	3733649.11	570385.27	3733650.71	570383.70	3733795.90	570740.06	3733794.64		
								4	570125.10	3733655.82	570385.93	3733649.59	570383.78	3733793.87	570125.24	3733797.60		
								7	570126.22	3733654.76	570124.85	3733500.24	570200.33	3733502.87	570201.21	3733438.80	570386.43	3733463.37
								6	570743.79	3733649.11	570743.34	3733553.51	570588.91	3733507.88	570386.43	3733463.37	570386.61	3733559.34
								4	570743.79	3733649.11	570385.27	3733650.71	570383.70	3733795.90	570740.06	3733794.64		
								4	570125.10	3733655.82	570385.93	3733649.59	570383.78	3733793.87	570125.24	3733797.60		
								4	570125.10	3733655.82	570385.93	3733649.59	570383.78	3733793.87	570125.24	3733797.60		
								4	570743.79	3733649.11	570123.70	3733642.30	570124.23	3733795.90	570740.06	3733794.64		
								6	570743.79	3733649.11	570743.34	3733553.51	570588.91	3733507.88	570203.64	3733435.01	570127.13	3733434.33
	10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10	3733509.71	570403.57	3733437.22
								Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12
								Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85	5.51	6.24	7.29



X6	Y6	X7	Y7	X8	Y8	X9	Y9	X10	Y10	X11	Y11							

570928.13 3733800.59 570746.78 3733801.22
570928.13 3733800.59 570746.78 3733801.22
570930.23 3734004.38 570846.58 3734010.27
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569796.70 3733456.11 569804.25 3733658.19
569796.70 3733456.11 569804.25 3733658.19
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570385.27 3733650.71

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570385.27 3733650.71

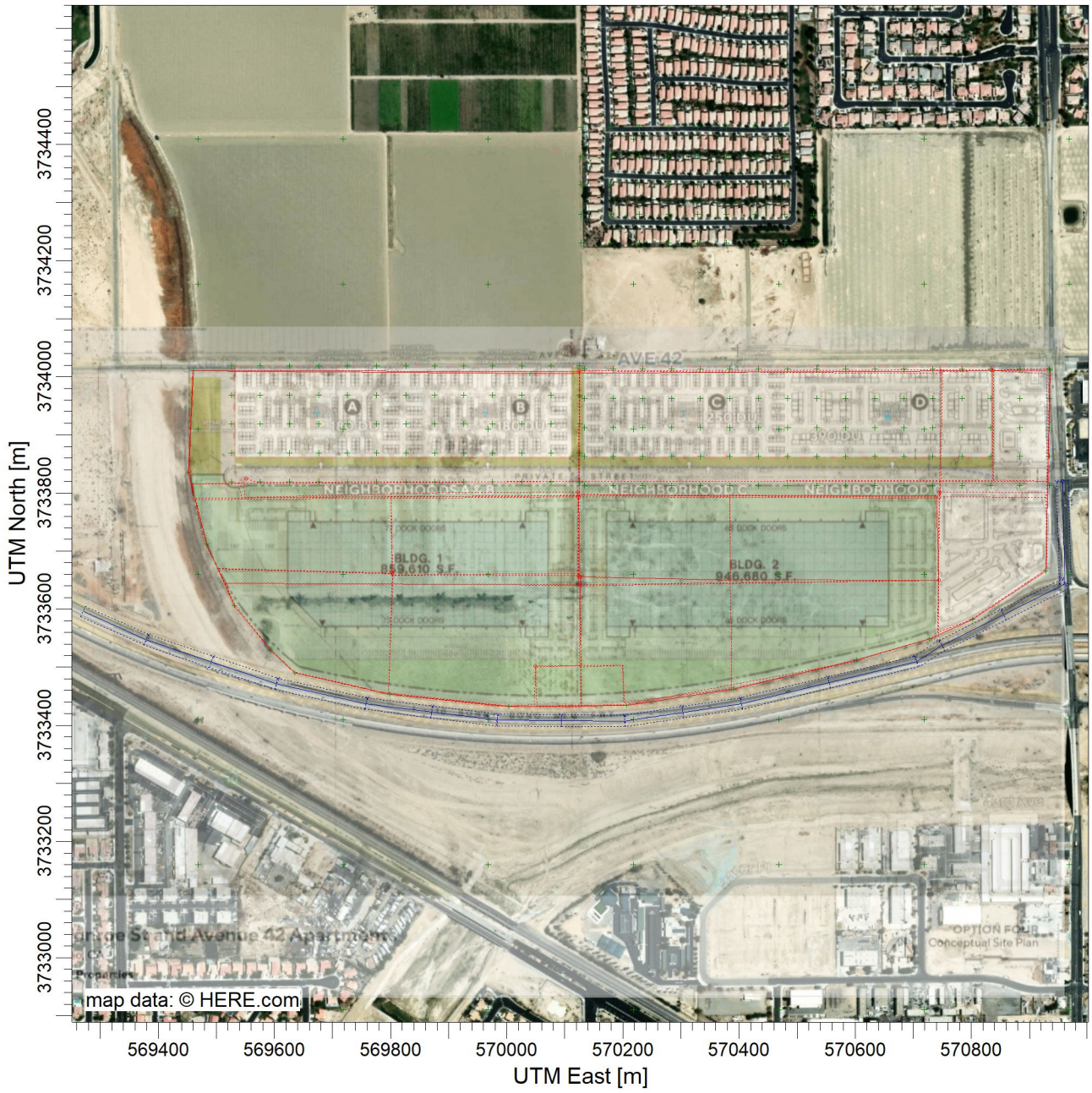
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570203.37 3733407.48 569983.78 3733409.05 569757.81 3733437.24 569603.57 3733471.18 569379.62 3733547.30 569270.48 3733596.16
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570203.37 3733407.48 569983.78 3733409.05 569757.81 3733437.24 569603.57 3733471.18 569379.62 3733547.30 569270.48 3733596.16
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570203.37 3733407.48 569983.78 3733409.05 569757.81 3733437.24 569603.57 3733471.18 569379.62 3733547.30 569270.48 3733596.16
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570203.37 3733407.48 569983.78 3733409.05 569757.81 3733437.24 569603.57 3733471.18 569379.62 3733547.30 569270.48 3733596.16
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570203.37 3733407.48 569983.78 3733409.05 569757.81 3733437.24 569603.57 3733471.18 569379.62 3733547.30 569270.48 3733596.16
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569796.96 3733453.72
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569477.83 3733717.30 569502.81 3733670.12 569803.44 3733661.80 569801.82 3733665.61
569477.83 3733717.30 569502.81 3733670.12 569803.44 3733661.80 569801.82 3733665.61
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PROJECT TITLE:

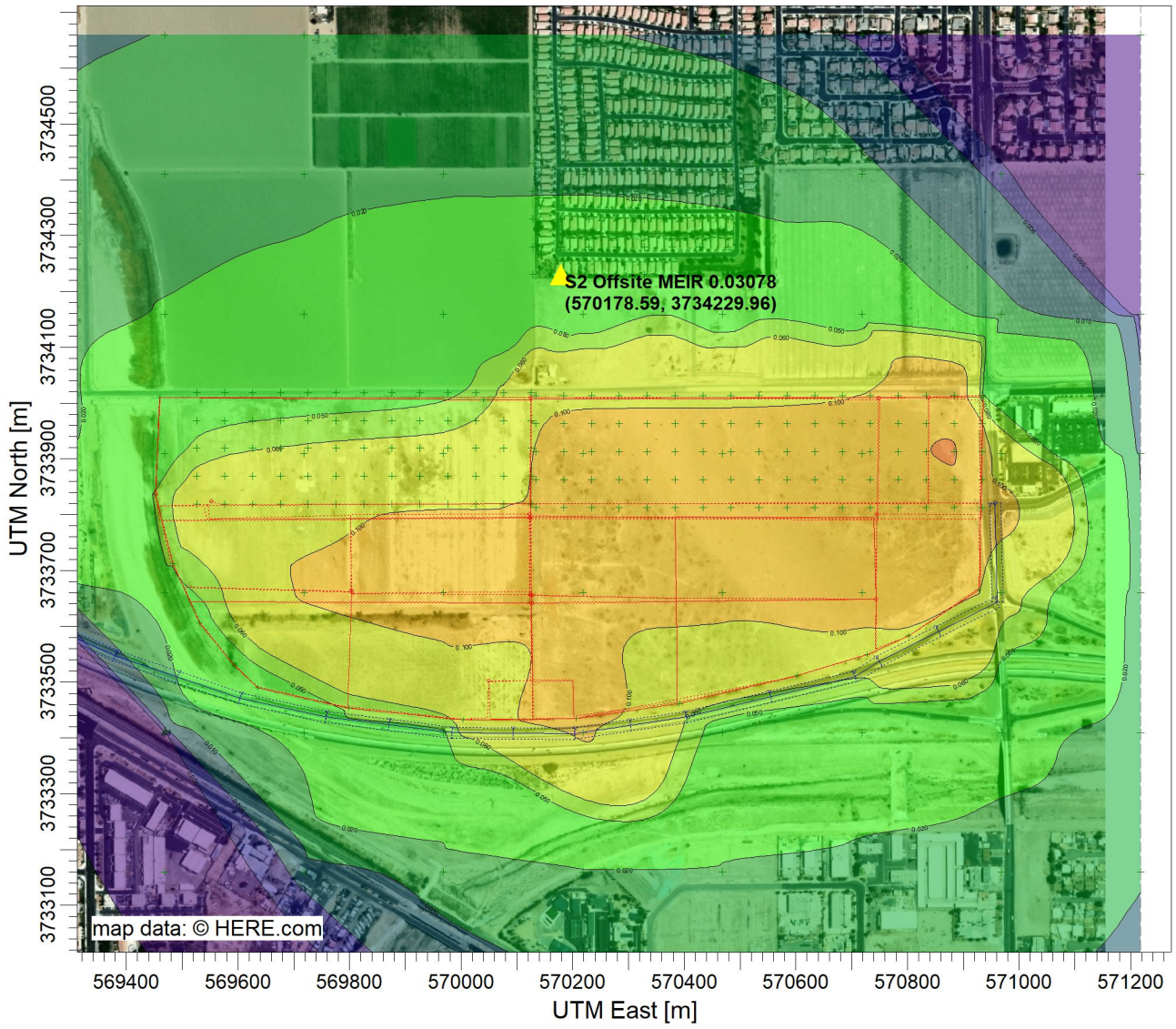
Indio_Oasis_S2_MitigatedConstruction



COMMENTS: Scenario 2 Sources	SOURCES: **56**	COMPANY NAME: **MIG**	
	RECEPTORS: **283**	MODELER: **K. Kitowski**	
		SCALE: 1:11,011 0 — 0.4 km	
		DATE: **12/5/2023**	PROJECT NO.: **Oasis at Indio**

PROJECT TITLE:

Indio_Oasis_S2_UnmitigatedConstruction



PLOT FILE OF PERIOD VALUES AVERAGED ACROSS 0 YEARS FOR SOURCE GROUP: Y1WO-NWR ug/m^3

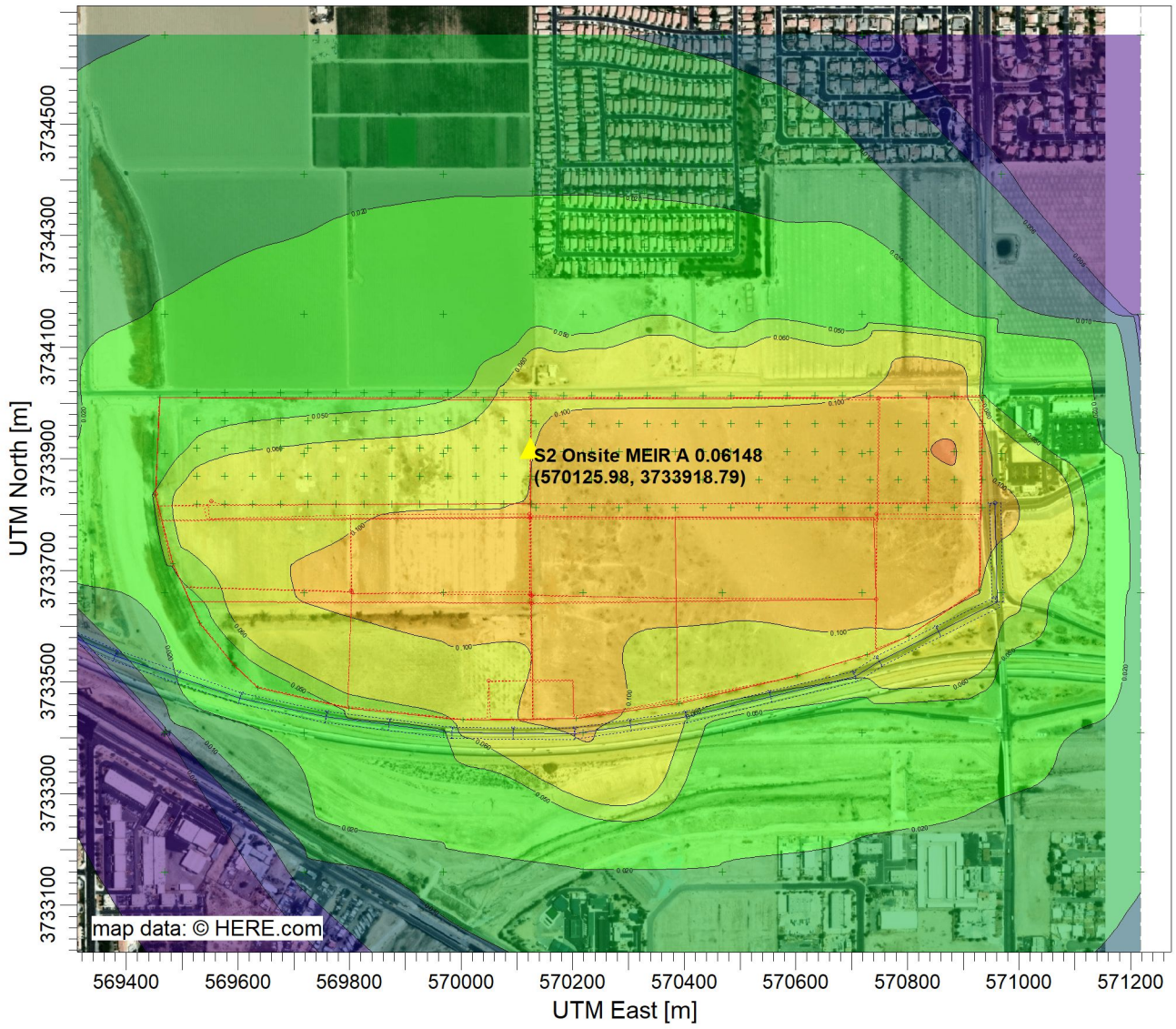
Max: 0.207 [ug/m^3] at (570883.72, 3733912.79)

0.002 0.005 0.006 0.010 0.020 0.050 0.060 0.100 0.200 0.207

COMMENTS: Scenario 2 Unmitigated Construction	SOURCES: **64**	COMPANY NAME: **MIG**	
	RECEPTORS: **283**	MODELER: **K. Kitowski**	
	OUTPUT TYPE: **Concentration**	SCALE: 1:12,335 0 0.4 km	
	MAX: **0.207 ug/m^3**	DATE: **12/5/2023**	PROJECT NO.: **Oasis at Indio**

PROJECT TITLE:

Indio_Oasis_S2_UnmitigatedConstruction



PLOT FILE OF PERIOD VALUES AVERAGED ACROSS 0 YEARS FOR SOURCE GROUP: Y1WO-NWR ug/m^3

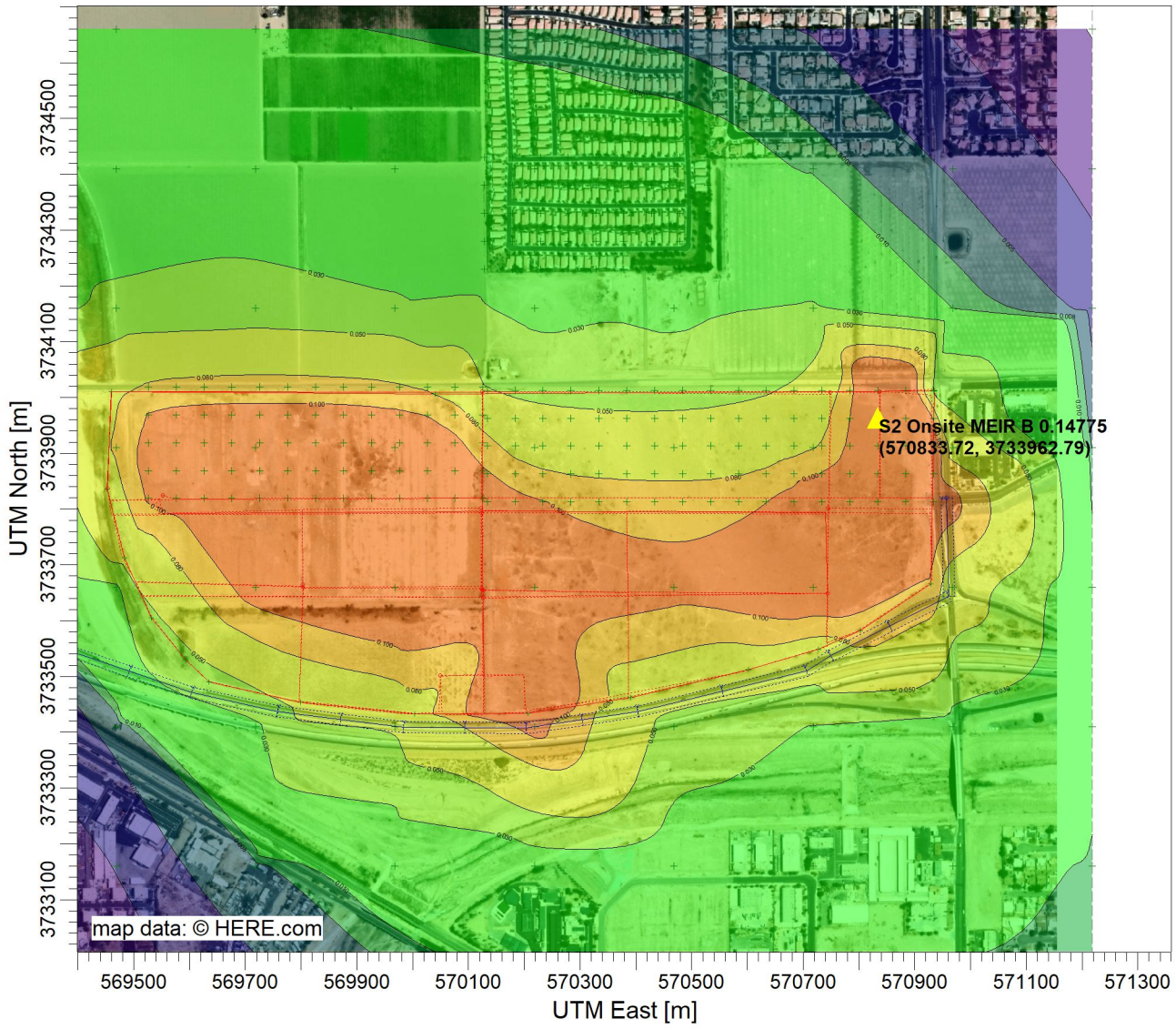
Max: 0.207 [ug/m^3] at (570883.72, 3733912.79)

0.002 0.005 0.006 0.010 0.020 0.050 0.060 0.100 0.200 0.207

COMMENTS: Scenario 2 Unmitigated Construction	SOURCES: **64**	COMPANY NAME: **MIG**	
	RECEPTORS: **283**	MODELER: **K. Kitowski**	
	OUTPUT TYPE: **Concentration**	SCALE: 1:12,335 0 0.4 km	
	MAX: **0.207 ug/m^3**	DATE: **12/5/2023**	PROJECT NO.: **Oasis at Indio**

PROJECT TITLE:

Indio_Oasis_S2_UnmitigatedConstruction



PLOT FILE OF PERIOD VALUES AVERAGED ACROSS 0 YEARS FOR SOURCE GROUP: Y1WO_NER ug/m^3

Max: 0.194 [ug/m^3] at (570883.72, 3733912.79)

0.002 0.003 0.005 0.008 0.010 0.030 0.050 0.080 0.100 0.194

COMMENTS: Scenario 2 Unmitigated Construction	SOURCES: **64**	COMPANY NAME: **MIG**	
	RECEPTORS: **283**	MODELER: **K. Kitowski**	
	OUTPUT TYPE: **Concentration**	SCALE: 1:12,336 0 0.4 km	
	MAX: **0.194 ug/m^3**	DATE: **12/5/2023**	PROJECT NO.: **Oasis at Indio**

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AERMOD Summary Files: Scenario 2 Mitigated Construction

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 *** AERMOD - VERSION 21112  ***   *** C:\Lakes
\Indio_Oasis_Construction-With-North-Receptors\Indio_Oasis_C ***
11/27/23
 *** AERMET - VERSION  16216 ***   ***
***        18:05:20

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

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

 **Model Is Setup For Calculation of Average CONCentration
Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses URBAN Dispersion Algorithm for the SBL for   341
Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =   2418185.0 ;  Urban Roughness Length =
1.000 m

 **Model Uses Regulatory DEFAULT Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Urban Roughness Length of 1.0 Meter Assumed.

 **Other Options Specified:
        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:  PM_10

 **Model Calculates PERIOD Averages Only

 **This Run Includes:    341 Source(s);      37 Source Group(s);
and     283 Receptor(s)
```

```
                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:      0 VOLUME source(s)
                 and:    341 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with a total
of     0 line(s)


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

 **The AERMET Input Meteorological Data Version Date:  16216

 **Output Options Selected:
          Model Outputs Tables of PERIOD Averages by Receptor
          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)
=   -36.00 ;  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 =      6.4 MB of
RAM.

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

 **Detailed Error/Message File:   Indio_Oasis_S2
_MitigatedConstruction.err
 **File for Summary of Results:   Indio_Oasis_S2
_MitigatedConstruction.sum
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***

(1=YES; 0=NO)

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            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***

(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

Surface file: C:\Users\sjremote\Desktop\FORINDIO\KTRM_v9.SFC Met Version: 16216
Profile file: C:\Users\sjremote\Desktop\FORINDIO\KTRM_v9.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 3104 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2012 Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
12	01	01	1	01	-7.8	0.118	-9.000	-9.000	-999.	98.	19.4	0.08	1.91	1.00	1.59	77.	10.1	278.8	2.0
12	01	01	1	02	-15.8	0.171	-9.000	-9.000	-999.	169.	32.1	0.08	1.91	1.00	2.23	288.	10.1	277.5	2.0
12	01	01	1	03	-16.9	0.177	-9.000	-9.000	-999.	178.	34.3	0.08	1.91	1.00	2.30	325.	10.1	278.8	2.0
12	01	01	1	04	-3.0	0.076	-9.000	-9.000	-999.	56.	13.4	0.08	1.91	1.00	0.94	321.	10.1	275.4	2.0
12	01	01	1	05	-4.7	0.092	-9.000	-9.000	-999.	67.	15.0	0.08	1.91	1.00	1.23	342.	10.1	274.2	2.0
12	01	01	1	06	-10.7	0.139	-9.000	-9.000	-999.	124.	22.8	0.08	1.91	1.00	1.84	309.	10.1	274.9	2.0
12	01	01	1	07	-18.8	0.186	-9.000	-9.000	-999.	193.	38.2	0.08	1.91	1.00	2.42	338.	10.1	277.0	2.0
12	01	01	1	08	-11.5	0.179	-9.000	-9.000	-999.	182.	45.7	0.08	1.91	0.49	2.30	343.	10.1	282.5	2.0
12	01	01	1	09	44.9	0.190	0.372	0.007	42.	198.	-13.9	0.08	1.91	0.30	1.86	334.	10.1	288.8	2.0
12	01	01	1	10	109.3	0.237	0.720	0.006	125.	278.	-11.2	0.08	1.91	0.23	2.27	333.	10.1	293.8	2.0
12	01	01	1	11	153.1	0.246	1.122	0.005	338.	293.	-8.9	0.08	1.91	0.21	2.28	348.	10.1	297.0	2.0
12	01	01	1	12	173.2	0.204	1.424	0.005	612.	222.	-4.5								

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0.08   1.91   0.20    1.72  322.   10.1  298.8    2.0
 12 01 01   1 13  169.9  0.156  1.670  0.005 1005.  148.     -2.0
0.08   1.91   0.20    1.14  351.   10.1  300.4    2.0
 12 01 01   1 14  142.4  0.144  1.714  0.005 1296.  131.     -1.9
0.08   1.91   0.22    1.04  329.   10.1  300.9    2.0
 12 01 01   1 15   92.8  0.142  1.542  0.005 1447.  129.     -2.8
0.08   1.91   0.25    1.11  316.   10.1  301.4    2.0
 12 01 01   1 16   24.5  0.122  0.995  0.005 1469.  102.     -6.8
0.08   1.91   0.35    1.09  301.   10.1  300.4    2.0
 12 01 01   1 17   -3.0  0.077 -9.000 -9.000 -999.   51.     13.7
0.08   1.91   0.65    0.99  209.   10.1  292.0    2.0
 12 01 01   1 18  -11.9  0.149 -9.000 -9.000 -999.  138.     25.2
0.08   1.91   1.00    1.96  149.   10.1  286.4    2.0
 12 01 01   1 19   -6.4  0.107 -9.000 -9.000 -999.   85.     17.7
0.08   1.91   1.00    1.45   31.   10.1  284.9    2.0
 12 01 01   1 20  -15.7  0.171 -9.000 -9.000 -999.  169.     32.1
0.08   1.91   1.00    2.23  327.   10.1  283.1    2.0
 12 01 01   1 21   -8.3  0.122 -9.000 -9.000 -999.  103.     20.2
0.08   1.91   1.00    1.64  347.   10.1  282.0    2.0
 12 01 01   1 22   -7.9  0.119 -9.000 -9.000 -999.   99.     19.6
0.08   1.91   1.00    1.60  316.   10.1  279.2    2.0
 12 01 01   1 23   -5.3  0.097 -9.000 -9.000 -999.   73.     15.9
0.08   1.91   1.00    1.31  325.   10.1  278.1    2.0
 12 01 01   1 24   -9.4  0.130 -9.000 -9.000 -999.  113.     21.5
0.08   1.91   1.00    1.74  304.   10.1  278.8    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW
sigmaV
 12 01 01 01   10.1 1   77.    1.59   278.8
99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
YR1ONALL	1ST HIGHEST VALUE IS	0.03401 AT (570783.72, 3733812.79, 2.63, 2.63, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.03259 AT (570833.72, 3733812.79, 2.48, 2.48, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.03224 AT (570733.72, 3733812.79, 2.80, 2.80, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.02918 AT (570883.72, 3733812.79, 2.34, 2.34, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.02807 AT (570833.72, 3733862.79, 2.68, 2.68, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.02685 AT (570833.72, 3733912.79, 2.87, 2.87, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.02670 AT (570783.72, 3733862.79, 2.83, 2.83, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.02630 AT (570883.72, 3733862.79, 2.55, 2.55, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.02628 AT (570733.72, 3733862.79, 3.03, 3.03, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.02585 AT (570683.72, 3733812.79, 2.96, 2.96, 0.00)	DC	
YR2ONALL	1ST HIGHEST VALUE IS	0.02490 AT (570783.72, 3733812.79, 2.63, 2.63, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.02392 AT (570733.72, 3733812.79, 2.80, 2.80, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.02326 AT (570833.72, 3733812.79, 2.48, 2.48, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.02230 AT (569968.32, 3733659.80, 5.02, 5.02, 0.00)	DC	

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          5TH HIGHEST VALUE IS       0.02145 AT (  569718.32,
3733659.80,     6.43,     6.43,    0.00)  DC
          6TH HIGHEST VALUE IS       0.02034 AT (  569875.98,
3733818.79,     5.76,     5.76,    0.00)  DC
          7TH HIGHEST VALUE IS       0.02033 AT (  569825.98,
3733818.79,     5.99,     5.99,    0.00)  DC
          8TH HIGHEST VALUE IS       0.02026 AT (  569925.98,
3733818.79,     5.55,     5.55,    0.00)  DC
          9TH HIGHEST VALUE IS       0.02020 AT (  569775.98,
3733818.79,     6.22,     6.22,    0.00)  DC
         10TH HIGHEST VALUE IS       0.02008 AT (  569975.98,
3733818.79,     5.35,     5.35,    0.00)  DC

YR3ONALL  1ST HIGHEST VALUE IS       0.01192 AT (  570333.72,
3733912.79,     4.41,     4.41,    0.00)  DC
          2ND HIGHEST VALUE IS       0.01191 AT (  570283.72,
3733912.79,     4.54,     4.54,    0.00)  DC
          3RD HIGHEST VALUE IS       0.01190 AT (  570383.72,
3733912.79,     4.28,     4.28,    0.00)  DC
          4TH HIGHEST VALUE IS       0.01184 AT (  570433.72,
3733912.79,     4.14,     4.14,    0.00)  DC
          5TH HIGHEST VALUE IS       0.01179 AT (  570233.72,
3733912.79,     4.67,     4.67,    0.00)  DC
          6TH HIGHEST VALUE IS       0.01177 AT (  570483.72,
3733912.79,     4.00,     4.00,    0.00)  DC
          7TH HIGHEST VALUE IS       0.01174 AT (  570468.32,
3733909.80,     4.03,     4.03,    0.00)  DC
          8TH HIGHEST VALUE IS       0.01172 AT (  570283.72,
3733962.79,     4.66,     4.66,    0.00)  DC
          9TH HIGHEST VALUE IS       0.01171 AT (  570333.72,
3733962.79,     4.54,     4.54,    0.00)  DC
         10TH HIGHEST VALUE IS       0.01169 AT (  570533.72,
3733912.79,     3.88,     3.88,    0.00)  DC

Y1OFFALL  1ST HIGHEST VALUE IS       0.00123 AT (  569798.77,
3733453.54,     5.25,     5.25,    0.00)  DC
          2ND HIGHEST VALUE IS       0.00122 AT (  569635.26,
3733489.98,     6.29,     6.29,    0.00)  DC
          3RD HIGHEST VALUE IS       0.00116 AT (  570003.76,
3733432.37,     3.91,     3.91,    0.00)  DC
          4TH HIGHEST VALUE IS       0.00109 AT (  570205.94,
3733434.38,     3.77,     3.77,    0.00)  DC
          5TH HIGHEST VALUE IS       0.00105 AT (  570390.58,
3733461.97,     2.49,     2.49,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00104 AT (  570602.35,
3733512.22,     1.80,     1.80,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00102 AT (  570928.50,
3733665.75,     1.41,     1.41,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00099 AT (  570933.72,
3733812.79,     2.21,     2.21,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00092 AT (  570727.67,
3733549.01,     1.31,     1.31,    0.00)  DC
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         10TH HIGHEST VALUE IS       0.00078 AT (  570802.77,
3733582.40,     1.10,     1.10,    0.00)  DC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
Y2OFFALL	1ST HIGHEST VALUE IS	0.00167 AT (569635.26, 3733489.98, 6.29, 6.29, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00166 AT (569798.77, 3733453.54, 5.25, 5.25, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00157 AT (570003.76, 3733432.37, 3.91, 3.91, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00147 AT (570205.94, 3733434.38, 3.77, 3.77, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00141 AT (570390.58, 3733461.97, 2.49, 2.49, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00139 AT (570602.35, 3733512.22, 1.80, 1.80, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00138 AT (570928.50, 3733665.75, 1.41, 1.41, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00134 AT (570933.72, 3733812.79, 2.21, 2.21, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00124 AT (570727.67, 3733549.01, 1.31, 1.31, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00113 AT (569968.32, 3733409.80, 3.96, 3.96, 0.00)	DC	
Y3OFFALL	1ST HIGHEST VALUE IS	0.00042 AT (569635.26, 3733489.98, 6.29, 6.29, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00042 AT (569798.77, 3733453.54, 5.25, 5.25, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00040 AT (570003.76, 3733432.37, 3.91, 3.91, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00037 AT (570205.94, 3733434.38, 3.77, 3.77, 0.00)	DC	

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          5TH HIGHEST VALUE IS       0.00036 AT (  570390.58,
3733461.97,     2.49,     2.49,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00035 AT (  570602.35,
3733512.22,     1.80,     1.80,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00035 AT (  570928.50,
3733665.75,     1.41,     1.41,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00034 AT (  570933.72,
3733812.79,     2.21,     2.21,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00031 AT (  570727.67,
3733549.01,     1.31,     1.31,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00029 AT (  569968.32,
3733409.80,     3.96,     3.96,    0.00)  DC

Y4OFFALL  1ST HIGHEST VALUE IS       0.00011 AT (  569635.26,
3733489.98,     6.29,     6.29,    0.00)  DC
          2ND HIGHEST VALUE IS       0.00011 AT (  569798.77,
3733453.54,     5.25,     5.25,    0.00)  DC
          3RD HIGHEST VALUE IS       0.00010 AT (  570003.76,
3733432.37,     3.91,     3.91,    0.00)  DC
          4TH HIGHEST VALUE IS       0.00009 AT (  570205.94,
3733434.38,     3.77,     3.77,    0.00)  DC
          5TH HIGHEST VALUE IS       0.00009 AT (  570390.58,
3733461.97,     2.49,     2.49,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00009 AT (  570602.35,
3733512.22,     1.80,     1.80,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00009 AT (  570928.50,
3733665.75,     1.41,     1.41,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00009 AT (  570933.72,
3733812.79,     2.21,     2.21,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00008 AT (  570727.67,
3733549.01,     1.31,     1.31,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00007 AT (  569968.32,
3733409.80,     3.96,     3.96,    0.00)  DC

Y1SWIALL  1ST HIGHEST VALUE IS       0.01373 AT (  569718.32,
3733659.80,     6.43,     6.43,    0.00)  DC
          2ND HIGHEST VALUE IS       0.01303 AT (  569968.32,
3733659.80,     5.02,     5.02,    0.00)  DC
          3RD HIGHEST VALUE IS       0.00882 AT (  569725.98,
3733818.79,     6.45,     6.45,    0.00)  DC
          4TH HIGHEST VALUE IS       0.00882 AT (  569775.98,
3733818.79,     6.22,     6.22,    0.00)  DC
          5TH HIGHEST VALUE IS       0.00874 AT (  569825.98,
3733818.79,     5.99,     5.99,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00872 AT (  569675.98,
3733818.79,     6.69,     6.69,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00861 AT (  569525.98,
3733818.79,     7.14,     7.14,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00856 AT (  569625.98,
3733818.79,     6.97,     6.97,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00853 AT (  569875.98,
3733818.79,     5.76,     5.76,    0.00)  DC
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10TH HIGHEST VALUE IS 0.00844 AT (569575.98, 3733818.79, 7.12, 7.12, 0.00) DC

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
Y2SWIALL	1ST HIGHEST VALUE IS	0.01785 AT (569968.32, 3733659.80, 5.02, 5.02, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.01235 AT (569718.32, 3733659.80, 6.43, 6.43, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.01096 AT (569875.98, 3733818.79, 5.76, 5.76, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.01072 AT (569825.98, 3733818.79, 5.99, 5.99, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.01070 AT (569925.98, 3733818.79, 5.55, 5.55, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.01005 AT (569975.98, 3733818.79, 5.35, 5.35, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00962 AT (570003.76, 3733432.37, 3.91, 3.91, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00897 AT (569798.77, 3733453.54, 5.25, 5.25, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00881 AT (570025.98, 3733818.79, 5.16, 5.16, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00840 AT (569775.98, 3733818.79, 6.22, 6.22, 0.00)	DC	
Y1SEIALL	1ST HIGHEST VALUE IS	0.01010 AT (570468.32, 3733659.80, 3.13, 3.13, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00958 AT (570218.32, 3733659.80, 4.13, 4.13, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00688 AT (570233.72, 3733812.79, 4.44, 4.44, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00686 AT (570283.72, 3733812.79, 4.31, 4.31, 0.00)	DC	

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          5TH HIGHEST VALUE IS       0.00676 AT (  570333.72,
3733812.79,     4.15,     4.15,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00675 AT (  570183.72,
3733812.79,     4.58,     4.58,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00674 AT (  570383.72,
3733812.79,     4.02,     4.02,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00663 AT (  570433.72,
3733812.79,     3.88,     3.88,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00646 AT (  570483.72,
3733812.79,     3.74,     3.74,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00624 AT (  570133.72,
3733812.79,     4.74,     4.74,    0.00)  DC

Y2SEIALL  1ST HIGHEST VALUE IS       0.01394 AT (  570468.32,
3733659.80,     3.13,     3.13,    0.00)  DC
          2ND HIGHEST VALUE IS       0.01304 AT (  570218.32,
3733659.80,     4.13,     4.13,    0.00)  DC
          3RD HIGHEST VALUE IS       0.00907 AT (  570233.72,
3733812.79,     4.44,     4.44,    0.00)  DC
          4TH HIGHEST VALUE IS       0.00905 AT (  570283.72,
3733812.79,     4.31,     4.31,    0.00)  DC
          5TH HIGHEST VALUE IS       0.00893 AT (  570333.72,
3733812.79,     4.15,     4.15,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00892 AT (  570718.32,
3733659.80,     2.01,     2.01,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00891 AT (  570383.72,
3733812.79,     4.02,     4.02,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00887 AT (  570183.72,
3733812.79,     4.58,     4.58,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00876 AT (  570433.72,
3733812.79,     3.88,     3.88,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00854 AT (  570483.72,
3733812.79,     3.74,     3.74,    0.00)  DC

Y1NWRALL  1ST HIGHEST VALUE IS       0.00897 AT (  569625.98,
3733918.79,     6.76,     6.76,    0.00)  DC
          2ND HIGHEST VALUE IS       0.00895 AT (  569675.98,
3733918.79,     6.52,     6.52,    0.00)  DC
          3RD HIGHEST VALUE IS       0.00891 AT (  569725.98,
3733918.79,     6.32,     6.32,    0.00)  DC
          4TH HIGHEST VALUE IS       0.00885 AT (  569775.98,
3733918.79,     6.13,     6.13,    0.00)  DC
          5TH HIGHEST VALUE IS       0.00882 AT (  569718.32,
3733909.80,     6.37,     6.37,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00882 AT (  569575.98,
3733918.79,     6.96,     6.96,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00877 AT (  569825.98,
3733918.79,     5.96,     5.96,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00867 AT (  569875.98,
3733918.79,     5.80,     5.80,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00864 AT (  569625.98,
3733968.79,     6.64,     6.64,    0.00)  DC
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         10TH HIGHEST VALUE IS       0.00862 AT (  569675.98,
3733968.79,     6.44,     6.44,    0.00)  DC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
Y2NWRALL	1ST HIGHEST VALUE IS	0.01230 AT (569625.98, 3733918.79, 6.76, 6.76, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.01230 AT (569675.98, 3733918.79, 6.52, 6.52, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.01225 AT (569725.98, 3733918.79, 6.32, 6.32, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.01217 AT (569775.98, 3733918.79, 6.13, 6.13, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.01216 AT (569718.32, 3733909.80, 6.37, 6.37, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.01207 AT (569825.98, 3733918.79, 5.96, 5.96, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.01206 AT (569575.98, 3733918.79, 6.96, 6.96, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.01194 AT (569875.98, 3733918.79, 5.80, 5.80, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.01177 AT (569925.98, 3733918.79, 5.66, 5.66, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.01162 AT (569625.98, 3733968.79, 6.64, 6.64, 0.00)	DC	
Y3NWRALL	1ST HIGHEST VALUE IS	0.00628 AT (569625.98, 3733918.79, 6.76, 6.76, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00628 AT (569675.98, 3733918.79, 6.52, 6.52, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00625 AT (569725.98, 3733918.79, 6.32, 6.32, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00621 AT (569775.98, 3733918.79, 6.13, 6.13, 0.00)	DC	

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          5TH HIGHEST VALUE IS       0.00621 AT (  569718.32,
3733909.80,     6.37,     6.37,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00616 AT (  569825.98,
3733918.79,     5.96,     5.96,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00615 AT (  569575.98,
3733918.79,     6.96,     6.96,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00609 AT (  569875.98,
3733918.79,     5.80,     5.80,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00600 AT (  569925.98,
3733918.79,     5.66,     5.66,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00593 AT (  569625.98,
3733968.79,     6.64,     6.64,    0.00)  DC

Y1NERALL  1ST HIGHEST VALUE IS       0.00871 AT (  570383.72,
3733962.79,     4.41,     4.41,    0.00)  DC
          2ND HIGHEST VALUE IS       0.00871 AT (  570333.72,
3733962.79,     4.54,     4.54,    0.00)  DC
          3RD HIGHEST VALUE IS       0.00869 AT (  570383.72,
3733912.79,     4.28,     4.28,    0.00)  DC
          4TH HIGHEST VALUE IS       0.00868 AT (  570433.72,
3733962.79,     4.27,     4.27,    0.00)  DC
          5TH HIGHEST VALUE IS       0.00867 AT (  570433.72,
3733912.79,     4.14,     4.14,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00866 AT (  570283.72,
3733962.79,     4.66,     4.66,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00866 AT (  570333.72,
3733912.79,     4.41,     4.41,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00865 AT (  570483.72,
3733962.79,     4.16,     4.16,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00864 AT (  570483.72,
3733912.79,     4.00,     4.00,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00860 AT (  570468.32,
3733909.80,     4.03,     4.03,    0.00)  DC

Y2NERALL  1ST HIGHEST VALUE IS       0.01168 AT (  570383.72,
3733912.79,     4.28,     4.28,    0.00)  DC
          2ND HIGHEST VALUE IS       0.01168 AT (  570433.72,
3733912.79,     4.14,     4.14,    0.00)  DC
          3RD HIGHEST VALUE IS       0.01164 AT (  570483.72,
3733912.79,     4.00,     4.00,    0.00)  DC
          4TH HIGHEST VALUE IS       0.01163 AT (  570333.72,
3733912.79,     4.41,     4.41,    0.00)  DC
          5TH HIGHEST VALUE IS       0.01160 AT (  570468.32,
3733909.80,     4.03,     4.03,    0.00)  DC
          6TH HIGHEST VALUE IS       0.01159 AT (  570533.72,
3733912.79,     3.88,     3.88,    0.00)  DC
          7TH HIGHEST VALUE IS       0.01150 AT (  570283.72,
3733912.79,     4.54,     4.54,    0.00)  DC
          8TH HIGHEST VALUE IS       0.01148 AT (  570383.72,
3733962.79,     4.41,     4.41,    0.00)  DC
          9TH HIGHEST VALUE IS       0.01148 AT (  570583.72,
3733912.79,     3.72,     3.72,    0.00)  DC
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         10TH HIGHEST VALUE IS       0.01147 AT (  570333.72,
3733962.79,     4.54,     4.54,    0.00)  DC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
Y3NERALL	1ST HIGHEST VALUE IS	0.01168 AT (570383.72, 3733912.79, 4.28, 4.28, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.01167 AT (570433.72, 3733912.79, 4.14, 4.14, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.01164 AT (570483.72, 3733912.79, 4.00, 4.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.01163 AT (570333.72, 3733912.79, 4.41, 4.41, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.01160 AT (570468.32, 3733909.80, 4.03, 4.03, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.01159 AT (570533.72, 3733912.79, 3.88, 3.88, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.01150 AT (570283.72, 3733912.79, 4.54, 4.54, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.01148 AT (570383.72, 3733962.79, 4.41, 4.41, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.01148 AT (570583.72, 3733912.79, 3.72, 3.72, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.01147 AT (570333.72, 3733962.79, 4.54, 4.54, 0.00)	DC	
Y1SECALL	1ST HIGHEST VALUE IS	0.02005 AT (570783.72, 3733812.79, 2.63, 2.63, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.01837 AT (570833.72, 3733812.79, 2.48, 2.48, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.01744 AT (570733.72, 3733812.79, 2.80, 2.80, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.01317 AT (570883.72, 3733812.79, 2.34, 2.34, 0.00)	DC	

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          5TH HIGHEST VALUE IS       0.01276 AT (  570928.50,
3733665.75,     1.41,     1.41,    0.00)  DC
          6TH HIGHEST VALUE IS       0.01069 AT (  570802.77,
3733582.40,     1.10,     1.10,    0.00)  DC
          7TH HIGHEST VALUE IS       0.01055 AT (  570718.32,
3733659.80,     2.01,     2.01,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00987 AT (  570783.72,
3733862.79,     2.83,     2.83,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00974 AT (  570733.72,
3733862.79,     3.03,     3.03,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00860 AT (  570683.72,
3733812.79,     2.96,     2.96,    0.00)  DC

Y2SECALL  1ST HIGHEST VALUE IS       0.01674 AT (  570783.72,
3733812.79,     2.63,     2.63,    0.00)  DC
          2ND HIGHEST VALUE IS       0.01538 AT (  570833.72,
3733812.79,     2.48,     2.48,    0.00)  DC
          3RD HIGHEST VALUE IS       0.01454 AT (  570733.72,
3733812.79,     2.80,     2.80,    0.00)  DC
          4TH HIGHEST VALUE IS       0.01232 AT (  570928.50,
3733665.75,     1.41,     1.41,    0.00)  DC
          5TH HIGHEST VALUE IS       0.01107 AT (  570883.72,
3733812.79,     2.34,     2.34,    0.00)  DC
          6TH HIGHEST VALUE IS       0.01030 AT (  570802.77,
3733582.40,     1.10,     1.10,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00872 AT (  570718.32,
3733659.80,     2.01,     2.01,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00848 AT (  570783.72,
3733862.79,     2.83,     2.83,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00835 AT (  570733.72,
3733862.79,     3.03,     3.03,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00722 AT (  570683.72,
3733812.79,     2.96,     2.96,    0.00)  DC

Y1ALL     1ST HIGHEST VALUE IS       0.03418 AT (  570783.72,
3733812.79,     2.63,     2.63,    0.00)  DC
          2ND HIGHEST VALUE IS       0.03282 AT (  570833.72,
3733812.79,     2.48,     2.48,    0.00)  DC
          3RD HIGHEST VALUE IS       0.03238 AT (  570733.72,
3733812.79,     2.80,     2.80,    0.00)  DC
          4TH HIGHEST VALUE IS       0.02958 AT (  570883.72,
3733812.79,     2.34,     2.34,    0.00)  DC
          5TH HIGHEST VALUE IS       0.02827 AT (  570833.72,
3733862.79,     2.68,     2.68,    0.00)  DC
          6TH HIGHEST VALUE IS       0.02701 AT (  570833.72,
3733912.79,     2.87,     2.87,    0.00)  DC
          7TH HIGHEST VALUE IS       0.02685 AT (  570783.72,
3733862.79,     2.83,     2.83,    0.00)  DC
          8TH HIGHEST VALUE IS       0.02660 AT (  570883.72,
3733862.79,     2.55,     2.55,    0.00)  DC
          9TH HIGHEST VALUE IS       0.02641 AT (  570733.72,
3733862.79,     3.03,     3.03,    0.00)  DC
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         10TH HIGHEST VALUE IS       0.02598 AT (  570683.72,
3733812.79,     2.96,     2.96,    0.00)  DC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
Y1WO-NWR	1ST HIGHEST VALUE IS	0.03407 AT (570783.72, 3733812.79, 2.63, 2.63, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.03271 AT (570833.72, 3733812.79, 2.48, 2.48, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.03226 AT (570733.72, 3733812.79, 2.80, 2.80, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.02946 AT (570883.72, 3733812.79, 2.34, 2.34, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.02817 AT (570833.72, 3733862.79, 2.68, 2.68, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.02692 AT (570833.72, 3733912.79, 2.87, 2.87, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.02675 AT (570783.72, 3733862.79, 2.83, 2.83, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.02650 AT (570883.72, 3733862.79, 2.55, 2.55, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.02629 AT (570733.72, 3733862.79, 3.03, 3.03, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.02584 AT (570683.72, 3733812.79, 2.96, 2.96, 0.00)	DC	
Y2ALL	1ST HIGHEST VALUE IS	0.02514 AT (570783.72, 3733812.79, 2.63, 2.63, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.02413 AT (570733.72, 3733812.79, 2.80, 2.80, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.02358 AT (570833.72, 3733812.79, 2.48, 2.48, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.02249 AT (569968.32, 3733659.80, 5.02, 5.02, 0.00)	DC	

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          5TH HIGHEST VALUE IS       0.02167 AT (  569718.32,
3733659.80,     6.43,     6.43,    0.00)  DC
          6TH HIGHEST VALUE IS       0.02045 AT (  569875.98,
3733818.79,     5.76,     5.76,    0.00)  DC
          7TH HIGHEST VALUE IS       0.02045 AT (  569825.98,
3733818.79,     5.99,     5.99,    0.00)  DC
          8TH HIGHEST VALUE IS       0.02040 AT (  570718.32,
3733659.80,     2.01,     2.01,    0.00)  DC
          9TH HIGHEST VALUE IS       0.02037 AT (  569925.98,
3733818.79,     5.55,     5.55,    0.00)  DC
         10TH HIGHEST VALUE IS       0.02032 AT (  569775.98,
3733818.79,     6.22,     6.22,    0.00)  DC

Y2WO_NWR  1ST HIGHEST VALUE IS       0.02497 AT (  570783.72,
3733812.79,     2.63,     2.63,    0.00)  DC
          2ND HIGHEST VALUE IS       0.02394 AT (  570733.72,
3733812.79,     2.80,     2.80,    0.00)  DC
          3RD HIGHEST VALUE IS       0.02341 AT (  570833.72,
3733812.79,     2.48,     2.48,    0.00)  DC
          4TH HIGHEST VALUE IS       0.02051 AT (  569968.32,
3733659.80,     5.02,     5.02,    0.00)  DC
          5TH HIGHEST VALUE IS       0.02015 AT (  570718.32,
3733659.80,     2.01,     2.01,    0.00)  DC
          6TH HIGHEST VALUE IS       0.01998 AT (  569718.32,
3733659.80,     6.43,     6.43,    0.00)  DC
          7TH HIGHEST VALUE IS       0.01959 AT (  570683.72,
3733812.79,     2.96,     2.96,    0.00)  DC
          8TH HIGHEST VALUE IS       0.01951 AT (  570733.72,
3733862.79,     3.03,     3.03,    0.00)  DC
          9TH HIGHEST VALUE IS       0.01951 AT (  570883.72,
3733812.79,     2.34,     2.34,    0.00)  DC
         10TH HIGHEST VALUE IS       0.01921 AT (  570783.72,
3733862.79,     2.83,     2.83,    0.00)  DC

Y3WO_NWR  1ST HIGHEST VALUE IS       0.01168 AT (  570383.72,
3733912.79,     4.28,     4.28,    0.00)  DC
          2ND HIGHEST VALUE IS       0.01167 AT (  570433.72,
3733912.79,     4.14,     4.14,    0.00)  DC
          3RD HIGHEST VALUE IS       0.01164 AT (  570483.72,
3733912.79,     4.00,     4.00,    0.00)  DC
          4TH HIGHEST VALUE IS       0.01163 AT (  570333.72,
3733912.79,     4.41,     4.41,    0.00)  DC
          5TH HIGHEST VALUE IS       0.01160 AT (  570468.32,
3733909.80,     4.03,     4.03,    0.00)  DC
          6TH HIGHEST VALUE IS       0.01159 AT (  570533.72,
3733912.79,     3.88,     3.88,    0.00)  DC
          7TH HIGHEST VALUE IS       0.01150 AT (  570283.72,
3733912.79,     4.54,     4.54,    0.00)  DC
          8TH HIGHEST VALUE IS       0.01148 AT (  570383.72,
3733962.79,     4.41,     4.41,    0.00)  DC
          9TH HIGHEST VALUE IS       0.01148 AT (  570583.72,
3733912.79,     3.72,     3.72,    0.00)  DC
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         10TH HIGHEST VALUE IS       0.01147 AT (  570333.72,
3733962.79,     4.54,     4.54,    0.00)  DC
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*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
Y3ALL	1ST HIGHEST VALUE IS	0.01195 AT (570333.72, 3733912.79, 4.41, 4.41, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.01193 AT (570283.72, 3733912.79, 4.54, 4.54, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.01192 AT (570383.72, 3733912.79, 4.28, 4.28, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.01187 AT (570433.72, 3733912.79, 4.14, 4.14, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.01181 AT (570233.72, 3733912.79, 4.67, 4.67, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.01180 AT (570483.72, 3733912.79, 4.00, 4.00, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.01177 AT (570468.32, 3733909.80, 4.03, 4.03, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.01174 AT (570283.72, 3733962.79, 4.66, 4.66, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.01173 AT (570333.72, 3733962.79, 4.54, 4.54, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.01172 AT (570533.72, 3733912.79, 3.88, 3.88, 0.00)	DC	
Y4ALL	1ST HIGHEST VALUE IS	0.02405 AT (570383.72, 3733912.79, 4.28, 4.28, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.02403 AT (570433.72, 3733912.79, 4.14, 4.14, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.02395 AT (570483.72, 3733912.79, 4.00, 4.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.02395 AT (570333.72, 3733912.79, 4.41, 4.41, 0.00)	DC	

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          5TH HIGHEST VALUE IS       0.02387 AT (  570468.32,
3733909.80,     4.03,     4.03,    0.00)  DC
          6TH HIGHEST VALUE IS       0.02384 AT (  570533.72,
3733912.79,     3.88,     3.88,    0.00)  DC
          7TH HIGHEST VALUE IS       0.02367 AT (  570283.72,
3733912.79,     4.54,     4.54,    0.00)  DC
          8TH HIGHEST VALUE IS       0.02364 AT (  570383.72,
3733962.79,     4.41,     4.41,    0.00)  DC
          9TH HIGHEST VALUE IS       0.02363 AT (  570583.72,
3733912.79,     3.72,     3.72,    0.00)  DC
         10TH HIGHEST VALUE IS       0.02361 AT (  570333.72,
3733962.79,     4.54,     4.54,    0.00)  DC

Y1SBSTAL  1ST HIGHEST VALUE IS       0.00776 AT (  570205.94,
3733434.38,     3.77,     3.77,    0.00)  DC
          2ND HIGHEST VALUE IS       0.00527 AT (  570218.32,
3733409.80,     3.64,     3.64,    0.00)  DC
          3RD HIGHEST VALUE IS       0.00163 AT (  569968.32,
3733659.80,     5.02,     5.02,    0.00)  DC
          4TH HIGHEST VALUE IS       0.00097 AT (  570003.76,
3733432.37,     3.91,     3.91,    0.00)  DC
          5TH HIGHEST VALUE IS       0.00057 AT (  569925.98,
3733818.79,     5.55,     5.55,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00055 AT (  569875.98,
3733818.79,     5.76,     5.76,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00054 AT (  569975.98,
3733818.79,     5.35,     5.35,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00049 AT (  569825.98,
3733818.79,     5.99,     5.99,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00047 AT (  570025.98,
3733818.79,     5.16,     5.16,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00044 AT (  569875.98,
3733868.79,     5.79,     5.79,    0.00)  DC

Y1STAALL  1ST HIGHEST VALUE IS       0.00196 AT (  569675.98,
3733818.79,     6.69,     6.69,    0.00)  DC
          2ND HIGHEST VALUE IS       0.00196 AT (  569625.98,
3733818.79,     6.97,     6.97,    0.00)  DC
          3RD HIGHEST VALUE IS       0.00194 AT (  569725.98,
3733818.79,     6.45,     6.45,    0.00)  DC
          4TH HIGHEST VALUE IS       0.00190 AT (  569775.98,
3733818.79,     6.22,     6.22,    0.00)  DC
          5TH HIGHEST VALUE IS       0.00186 AT (  569825.98,
3733818.79,     5.99,     5.99,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00184 AT (  570533.72,
3733862.79,     3.72,     3.72,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00184 AT (  570583.72,
3733862.79,     3.50,     3.50,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00184 AT (  570483.72,
3733862.79,     3.87,     3.87,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00183 AT (  570633.72,
3733862.79,     3.34,     3.34,    0.00)  DC
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         10TH HIGHEST VALUE IS       0.00183 AT (  570683.72,
3733862.79,     3.18,     3.18,    0.00)  DC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
Y2NEC	1ST HIGHEST VALUE IS	0.00855 AT (570883.72, 3733912.79, 2.74, 2.74, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00822 AT (570883.72, 3733962.79, 2.92, 2.92, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00697 AT (570833.72, 3733962.79, 3.07, 3.07, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00696 AT (570883.72, 3733862.79, 2.55, 2.55, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00663 AT (570833.72, 3734012.79, 3.24, 3.24, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00630 AT (570833.72, 3733912.79, 2.87, 2.87, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00581 AT (570883.72, 3734012.79, 3.05, 3.05, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00556 AT (570933.72, 3733912.79, 2.60, 2.60, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00548 AT (570933.72, 3733862.79, 2.42, 2.42, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00458 AT (570933.72, 3733962.79, 2.74, 2.74, 0.00)	DC	
Y1WO_NER	1ST HIGHEST VALUE IS	0.02999 AT (570783.72, 3733812.79, 2.63, 2.63, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.02916 AT (570833.72, 3733812.79, 2.48, 2.48, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.02801 AT (570733.72, 3733812.79, 2.80, 2.80, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.02743 AT (570883.72, 3733812.79, 2.34, 2.34, 0.00)	DC	

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          5TH HIGHEST VALUE IS       0.02498 AT (  569968.32,
3733659.80,     5.02,     5.02,    0.00)  DC
          6TH HIGHEST VALUE IS       0.02438 AT (  570718.32,
3733659.80,     2.01,     2.01,    0.00)  DC
          7TH HIGHEST VALUE IS       0.02437 AT (  570883.72,
3733862.79,     2.55,     2.55,    0.00)  DC
          8TH HIGHEST VALUE IS       0.02408 AT (  570833.72,
3733862.79,     2.68,     2.68,    0.00)  DC
          9TH HIGHEST VALUE IS       0.02390 AT (  569875.98,
3733818.79,     5.76,     5.76,    0.00)  DC
         10TH HIGHEST VALUE IS       0.02389 AT (  569825.98,
3733818.79,     5.99,     5.99,    0.00)  DC

Y2WO_NER  1ST HIGHEST VALUE IS       0.02229 AT (  569968.32,
3733659.80,     5.02,     5.02,    0.00)  DC
          2ND HIGHEST VALUE IS       0.02155 AT (  569718.32,
3733659.80,     6.43,     6.43,    0.00)  DC
          3RD HIGHEST VALUE IS       0.02027 AT (  569825.98,
3733818.79,     5.99,     5.99,    0.00)  DC
          4TH HIGHEST VALUE IS       0.02024 AT (  569875.98,
3733818.79,     5.76,     5.76,    0.00)  DC
          5TH HIGHEST VALUE IS       0.02017 AT (  569775.98,
3733818.79,     6.22,     6.22,    0.00)  DC
          6TH HIGHEST VALUE IS       0.02011 AT (  569925.98,
3733818.79,     5.55,     5.55,    0.00)  DC
          7TH HIGHEST VALUE IS       0.01999 AT (  569725.98,
3733818.79,     6.45,     6.45,    0.00)  DC
          8TH HIGHEST VALUE IS       0.01986 AT (  569975.98,
3733818.79,     5.35,     5.35,    0.00)  DC
          9TH HIGHEST VALUE IS       0.01967 AT (  569675.98,
3733818.79,     6.69,     6.69,    0.00)  DC
         10TH HIGHEST VALUE IS       0.01938 AT (  570025.98,
3733818.79,     5.16,     5.16,    0.00)  DC

Y3WO_NER  1ST HIGHEST VALUE IS       0.00628 AT (  569625.98,
3733918.79,     6.76,     6.76,    0.00)  DC
          2ND HIGHEST VALUE IS       0.00628 AT (  569675.98,
3733918.79,     6.52,     6.52,    0.00)  DC
          3RD HIGHEST VALUE IS       0.00625 AT (  569725.98,
3733918.79,     6.32,     6.32,    0.00)  DC
          4TH HIGHEST VALUE IS       0.00621 AT (  569775.98,
3733918.79,     6.13,     6.13,    0.00)  DC
          5TH HIGHEST VALUE IS       0.00621 AT (  569718.32,
3733909.80,     6.37,     6.37,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00616 AT (  569825.98,
3733918.79,     5.96,     5.96,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00615 AT (  569575.98,
3733918.79,     6.96,     6.96,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00609 AT (  569875.98,
3733918.79,     5.80,     5.80,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00600 AT (  569925.98,
3733918.79,     5.66,     5.66,    0.00)  DC
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         10TH HIGHEST VALUE IS       0.00593 AT (  569625.98,
3733968.79,     6.64,     6.64,    0.00)  DC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
Y1GRADIN	1ST HIGHEST VALUE IS	0.00752 AT (570218.32, 3733659.80, 4.13, 4.13, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00748 AT (569968.32, 3733659.80, 5.02, 5.02, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00743 AT (570183.72, 3733812.79, 4.58, 4.58, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00741 AT (570233.72, 3733812.79, 4.44, 4.44, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00737 AT (570133.72, 3733812.79, 4.74, 4.74, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00737 AT (570283.72, 3733812.79, 4.31, 4.31, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00732 AT (570333.72, 3733812.79, 4.15, 4.15, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00731 AT (570125.98, 3733818.79, 4.78, 4.78, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00726 AT (570383.72, 3733812.79, 4.02, 4.02, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00724 AT (569975.98, 3733818.79, 5.35, 5.35, 0.00)	DC	
Y1NECALL	1ST HIGHEST VALUE IS	0.01584 AT (570883.72, 3733912.79, 2.74, 2.74, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.01547 AT (570883.72, 3733962.79, 2.92, 2.92, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.01366 AT (570833.72, 3733962.79, 3.07, 3.07, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.01305 AT (570833.72, 3734012.79, 3.24, 3.24, 0.00)	DC	

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          5TH HIGHEST VALUE IS       0.01263 AT (  570883.72,
3733862.79,     2.55,     2.55,    0.00)  DC
          6TH HIGHEST VALUE IS       0.01233 AT (  570833.72,
3733912.79,     2.87,     2.87,    0.00)  DC
          7TH HIGHEST VALUE IS       0.01136 AT (  570883.72,
3734012.79,     3.05,     3.05,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00964 AT (  570933.72,
3733912.79,     2.60,     2.60,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00935 AT (  570933.72,
3733862.79,     2.42,     2.42,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00808 AT (  570933.72,
3733962.79,     2.74,     2.74,    0.00)  DC

Y1WOGRST  1ST HIGHEST VALUE IS       0.02632 AT (  570783.72,
3733812.79,     2.63,     2.63,    0.00)  DC
          2ND HIGHEST VALUE IS       0.02541 AT (  570833.72,
3733812.79,     2.48,     2.48,    0.00)  DC
          3RD HIGHEST VALUE IS       0.02436 AT (  570733.72,
3733812.79,     2.80,     2.80,    0.00)  DC
          4TH HIGHEST VALUE IS       0.02312 AT (  570883.72,
3733812.79,     2.34,     2.34,    0.00)  DC
          5TH HIGHEST VALUE IS       0.02106 AT (  570833.72,
3733912.79,     2.87,     2.87,    0.00)  DC
          6TH HIGHEST VALUE IS       0.02104 AT (  570833.72,
3733862.79,     2.68,     2.68,    0.00)  DC
          7TH HIGHEST VALUE IS       0.02087 AT (  570883.72,
3733912.79,     2.74,     2.74,    0.00)  DC
          8TH HIGHEST VALUE IS       0.02065 AT (  570883.72,
3733862.79,     2.55,     2.55,    0.00)  DC
          9TH HIGHEST VALUE IS       0.01984 AT (  570833.72,
3733962.79,     3.07,     3.07,    0.00)  DC
         10TH HIGHEST VALUE IS       0.01905 AT (  570783.72,
3733862.79,     2.83,     2.83,    0.00)  DC

Y1WOGSNE  1ST HIGHEST VALUE IS       0.02214 AT (  570783.72,
3733812.79,     2.63,     2.63,    0.00)  DC
          2ND HIGHEST VALUE IS       0.02175 AT (  570833.72,
3733812.79,     2.48,     2.48,    0.00)  DC
          3RD HIGHEST VALUE IS       0.02097 AT (  570883.72,
3733812.79,     2.34,     2.34,    0.00)  DC
          4TH HIGHEST VALUE IS       0.01999 AT (  570733.72,
3733812.79,     2.80,     2.80,    0.00)  DC
          5TH HIGHEST VALUE IS       0.01888 AT (  570883.72,
3733912.79,     2.74,     2.74,    0.00)  DC
          6TH HIGHEST VALUE IS       0.01841 AT (  570883.72,
3733862.79,     2.55,     2.55,    0.00)  DC
          7TH HIGHEST VALUE IS       0.01746 AT (  570883.72,
3733962.79,     2.92,     2.92,    0.00)  DC
          8TH HIGHEST VALUE IS       0.01740 AT (  570718.32,
3733659.80,     2.01,     2.01,    0.00)  DC
          9TH HIGHEST VALUE IS       0.01695 AT (  569968.32,
3733659.80,     5.02,     5.02,    0.00)  DC
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         10TH HIGHEST VALUE IS       0.01693 AT (  570833.72,
3733912.79,     2.87,     2.87,    0.00)  DC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
Y1WOGSNW	1ST HIGHEST VALUE IS	0.02621 AT (570783.72, 3733812.79, 2.63, 2.63, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.02530 AT (570833.72, 3733812.79, 2.48, 2.48, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.02424 AT (570733.72, 3733812.79, 2.80, 2.80, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.02301 AT (570883.72, 3733812.79, 2.34, 2.34, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.02096 AT (570833.72, 3733912.79, 2.87, 2.87, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.02093 AT (570833.72, 3733862.79, 2.68, 2.68, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.02078 AT (570883.72, 3733912.79, 2.74, 2.74, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.02054 AT (570883.72, 3733862.79, 2.55, 2.55, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.01976 AT (570833.72, 3733962.79, 3.07, 3.07, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.01894 AT (570783.72, 3733862.79, 2.83, 2.83, 0.00)	DC	

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

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 *** AERMOD - VERSION 21112  ***   *** C:\Lakes
\Indio_Oasis_Construction-With-North-Receptors\Indio_Oasis_C ***
11/27/23
 *** AERMET - VERSION  16216 ***   ***
***        18:05:20

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 *** 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         1124 Informational Message(s)

 A Total of        43848 Hours Were Processed

 A Total of          595 Calm Hours Identified

 A Total of          529 Missing Hours Identified (  1.21
Percent)


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

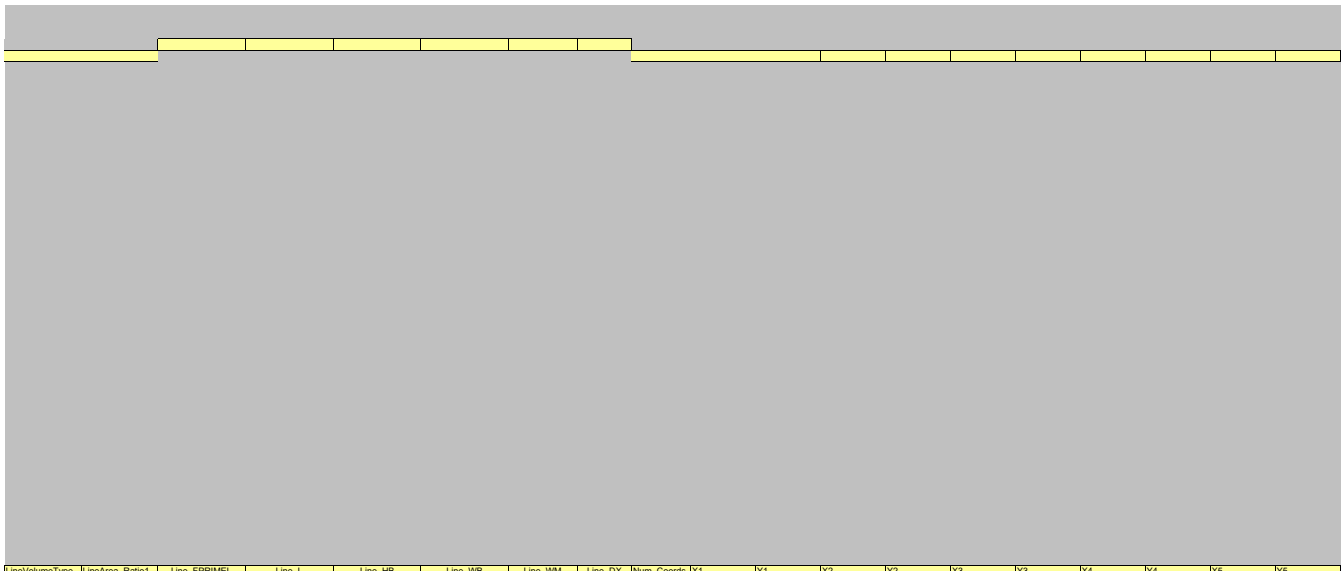

    ********   WARNING MESSAGES   ********
 ME W340   52986       PRBASE: Possible Error in PROFBASE Input:
Value is < 0        PROFBASE
 ME W186   52987       MEOPEN: THRESH_1MIN 1-min ASOS wind speed
threshold used          0.50
 ME W187   52987       MEOPEN: ADJ_U* Option for Stable Low Winds
used in AERMET
```

AERMOD View - Source Parameters
MS Excel - Lakes Format: Version 3.0
Supported Source Types: Point, Rectangular Area, Circular Area, Polygon Area, Volume, Open Pit, Line Volume, Line Area

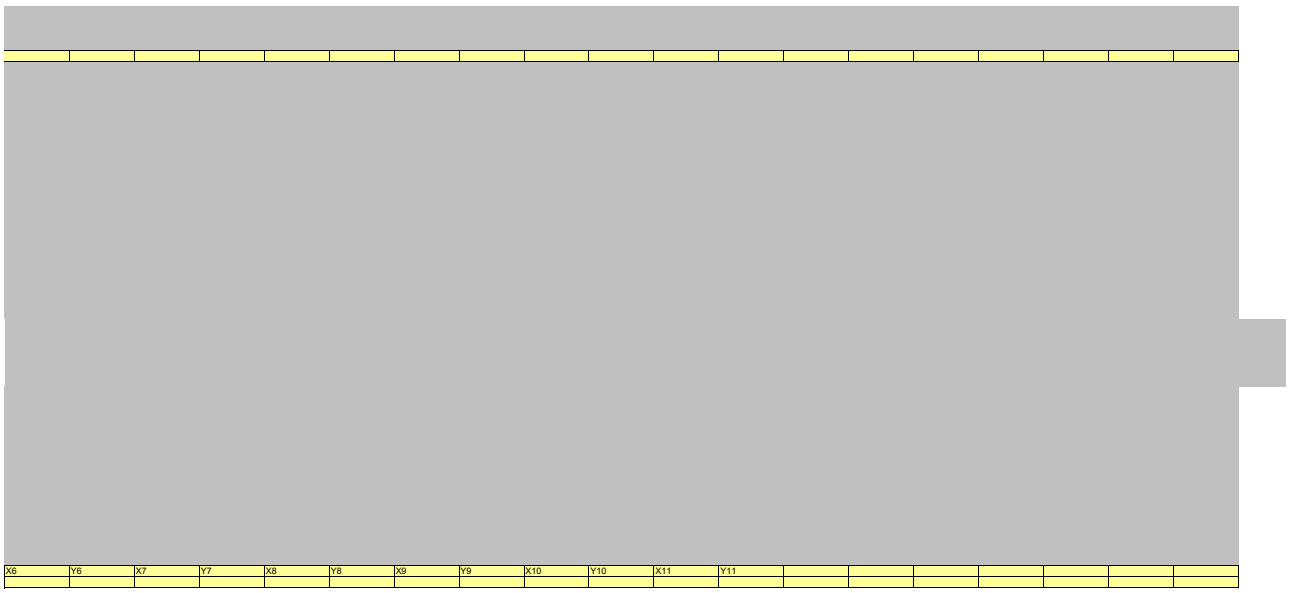
Parameters	Units	Description
Type		POINT, AREA, AREA_CIRC, AREA_POLY, VOLUME, OPEN_PIT, LINE, LINE_VOLUME, LINE_AREA, BUOYLINE, RLINE, RLINEXT
ID		Source ID up to 12 characters
Desc		Optional description
SourceID_Prefix		Text prefix up to 4 characters long for generated LINE_VOLUME, RLINE, RLINEXT and LINE_AREA sources
Base_Elev	[m]	Source base elevation above mean sea level
Height	[m]	Release height above ground
Diam	[m]	Inner stack diameter (POINT) or circular area radius (AREA_CIRC)
Exit_Vel	[m/s]	Exit velocity (POINT only)
Exit_Temp	[K]	Exit temperature (POINT only)
Release Type		VERTICAL, HORIZONTAL, CAPPED (POINT only) - HORIZONTAL and CAPPED are non-default beta options
SigmaY	[m]	Initial sigma Y (VOLUME only)
SigmaZ	[m]	Initial sigma Z (AREA, AREA_CIRC, AREA_POLY, VOLUME, LINE, RLINE, RLINEXT and LINE_AREA only; optional for AREA, AREA_CIRC, AREA_POLY, and LINE)
Length_X	[m]	X side length (AREA, VOLUME, OPEN PIT, RLINE, RLINEXT, and LINE_AREA only; optional for VOLUME, will be used to calculate SigmaY)
Length_Y	[m]	Y side length (AREA and OPEN PIT only); width for LINE sources; DCL for RLINEXT sources
Rotation_Angle	[degrees]	Clockwise rotation from North of Y side (AREA and OPEN PIT only)
Pit_Volume	[m^3]	Volume of the open pit (OPEN PIT only)
Emission_Rate	[g/s or g/s/m2]	Emission rate (g/s for POINT, VOLUME, and LINE_VOLUME; g/s/m2 for AREA, AREA_CIRC, AREA_POLY, OPENPIT, LINE, RLINE, RLINEXT and LINE_AREA)
Configuration		LINE_VOLUME configuration: Separated, Adjacent or Separated2W
LineVolumeHeight	[m]	Plume Height or Building Height for LINE_VOLUME source
PlumeWidth	[m]	Plume width for LINE_VOLUME source
LineVolumeType		LINE_VOLUME type: None, Surface-Based, Elevated, Elevated Building
LineArea_Ratio1		Ratio 1 for LINE_AREA sources
Line_FPRIMEL =	[m**4/s**3]	Average buoyance parameter (BUOYLINE source only)
Line_L =	[m]	Building Length (BUOYLINE source only)
Line_HB =	[m]	Building Height (BUOYLINE source only)
Line_WB =	[m]	Building Width (BUOYLINE source only)
Line_WM =	[m]	Line Source Width (BUOYLINE source only)
Line_DX =	[m]	Separation between buildings (BUOYLINE source only)
Num_Coords		Number of coordinate pairs (POINT, AREA, AREA_CIRC, VOLUME, OPENPIT = 1; AREA_POLY >= 3; LINE = 2; LINE_AREA, LINE_VOLUME >= 2, RLINE/RLINEXT >= 2)
X1	[m]	X coordinate of source location [m]
Y1	[m]	Y coordinate of source location [m]
X2	[m]	Secondary X coordinate of source location [m] (AREA_POLY, LINE, LINE_VOLUME, LINE_AREA, RLINE, RLINEXT, BUOYLINE sources only)
Y2	[m]	Secondary Y coordinate of source location [m] (AREA_POLY, LINE, LINE_VOLUME, LINE_AREA, RLINE, RLINEXT, BUOYLINE sources only)
X3	[m]	Additional X coordinate of source location [m] (AREA_POLY, LINE_VOLUME, RLINE, RLINEXT, LINE_AREA only)
Y3	[m]	Additional Y coordinate of source location [m] (AREA_POLY, LINE_VOLUME, RLINE, RLINEXT, LINE_AREA only)
X4	[m]	Additional X coordinate of source location [m] (AREA_POLY, LINE_VOLUME, RLINE, RLINEXT, LINE_AREA only)
Y4	[m]	Additional Y coordinate of source location [m] (AREA_POLY, LINE_VOLUME, RLINE, RLINEXT, LINE_AREA only)
Base_Elev_m	[m]	Base Elevation for LINE_VOLUME, LINE_AREA, RLINE, RLINEXT Nodes
Rel_Height_m	[m]	Release height for LINE_VOLUME, LINE_AREA, RLINE, RLINEXT Nodes
Rbarrier	[m]	Barrier properties HW1, DW1, HW2, DW2 for RLINEXT sources
Rdepression	[m]	Depression properties Depth, Wtop, Wbottom for RLINEXT sources

NOTE: you may keep adding additional coordinate pairs for an AREA_POLY or LINE_VOLUME sources, be sure to add the headers as well (eg. X5, Y5, etc)

Type	ID	Desc	SourceID_Prefix	Base_Elev [m]	Height [m]	Diam [m]	Exit_Vel [m/s]	Exit_Temp [K]	Release_Type	SigmaY [m]	SigmaZ [m]	Length_X [m]	Length_Y [m]	Rotation_Angle [deg]	Pit_Volume [m^3]	Emission_Rate	Configuration	LineVolumeHeight [m]	PlumeWidth [m]
AREA_P	PAREA1	09_NWRES_OnConYr1		6.9	5											7.92E-09			
AREA_P	PAREA52	09_NWRES_OnConYr2		6.9	5							0				7.27E-09			
AREA_P	PAREA53	09_NWRES_OnConYr3		6.9	5							0				3.71E-09			
AREA_P	PAREA54	01MassGrading01		6.9	5							0				9.69797E-09			
AREA_P	PAREA55	01MassGrading02		5.2	5							0				9.69797E-09			
AREA_P	PAREA61	10_NERES_OnConYr1		5.2	5							0				7.96E-09			
AREA_P	PAREA62	10_NERES_OnConYr2		5.2	5							0				7.13E-09			
AREA_P	PAREA12	10_NERES_OnConYr3		5.2	5							0				7.13E-09			
AREA_P	PAREA63	10_NERES_OnConYr4		5.2	5							0				1.47E-08			
AREA_P	PAREA3	12_SECOM_OnConYr1		2.71	5											2.98E-08			
AREA_P	PAREA8	12_SECOM_OnConYr2		2.71	5							0				1.75E-08			
AREA_P	PAREA56	01MassGrading03		3.54	5							0				9.69797E-09			
AREA_P	PAREA4	04_SWI_SE_OnConYr1		4.46	5											9.28E-09			
AREA_P	PAREA28	04_SWI_SE_OnConYr2		4.46	5							0				8.72E-09			
AREA_P	PAREA60	01MassGrading07		4.42	5							0				9.69797E-09			
AREA_P	PAREA5	05_SEI_SW_OnConYr1		4.44	5											7.14E-09			
AREA_P	PAREA21	05_SEI_SE_OnConYr1		1.82	5							0				7.14E-09			
AREA_P	PAREA22	05_SEI_NE_OnConYr1		1.82	5							0				7.14E-09			
AREA_P	PAREA23	05_SEI_NW_OnConYr1		4.45	5							0				7.14E-09			
AREA_P	PAREA10	05_SEI_SW_OnConYr2		4.44	5							0				6.52E-09			
AREA_P	PAREA30	05_SEI_SE_OnConYr2		1.82	5							0				6.52E-09			
AREA_P	PAREA31	05_SEI_NE_OnConYr2		1.82	5							0				6.52E-09			
AREA_P	PAREA32	05_SEI_NW_OnConYr2		4.45	5							0				6.52E-09			
AREA_P	PAREA57	01MassGrading04		1.82	5							0				9.69797E-09			
AREA_P	PAREA58	01MassGrading05		1.82	5							0				9.69797E-09			
LINE_A	RARLN1	09_NW_OffConYr1											20			4.08E-10			
LINE_A	RARLN1																		
LINE_A	RARLN1																		
LINE_A	RARLN2	10_NERES_OffConYr1											20			7.67E-10			
LINE_A	RARLN2																		
LINE_A	RARLN2																		
LINE_A	RARLN3	12_SECOM_OffConYr1											20			4.13E-10			
LINE_A	RARLN3																		
LINE_A	RARLN3																		
LINE_A	RARLN4	04_SWI_OffConYr1											20			1.21E-09			
LINE_A	RARLN4																		
LINE_A	RARLN4																		
LINE_A	RARLN5	05_SEI_OffConYr1											20			1.40179E-09			
LINE_A	RARLN5																		
LINE_A	RARLN5																		
LINE_A	RARLN6	03_Substation_OffConYr1											20			7.84E-11			
LINE_A	RARLN6																		
LINE_A	RARLN6																		
LINE_A	RARLN7	02_StA_OffConYr1											20			5.85E-10			
LINE_A	RARLN7																		
LINE_A	RARLN7																		
LINE_A	RARLN8	09_NW_OffConYr2											20			4.81865E-10			
LINE_A	RARLN8																		
LINE_A	RARLN8																		
LINE_A	RARLN9	10_NERES_OffConYr2											20			9.54E-10			
LINE_A	RARLN9																		
LINE_A	RARLN9																		
LINE_A	RARLN10	04_SWI_OffConYr2											20			1.20337E-09			
LINE_A	RARLN10																		
LINE_A	RARLN10																		
LINE_A	RARLN11	05_SEI_OffConYr2											20			1.39664E-09			
LINE_A	RARLN11																		
LINE_A	RARLN11																		
LINE_A	RARLN13	09_NW_OffConYr3											20			1.83727E-10			
LINE_A	RARLN13																		
LINE_A	RARLN13																		
LINE_A	RARLN14	10_NERES_OffConYr3											20			9.06E-10			
LINE_A	RARLN14																		
LINE_A	RARLN14																		
LINE_A	RARLN17	10_NERES_OffConYr4											20			2.73143E-10			
LINE_A	RARLN17																		
LINE_A	RARLN17																		
LINE_A	RARLN21	01MassGrading_OffConYr1											20			7.96684E-11			
LINE_A	RARLN21																		
LINE_A	RARLN21																		
LINE_A	RARLN22	11_NECOM_OffConYr1											20			2.28564E-11			
LINE_A	RARLN22																		
LINE_A	RARLN22																		
LINE_A	RARLN23	03_Substation_OffConYr2											20			1.04619E-11			
LINE_A	RARLN23																		
LINE_A	RARLN23																		
LINE_A	RARLN24	11_NECOM_OffConYr2											20			6.35E-12			
LINE_A	RARLN24																		
LINE_A	RARLN24																		
LINE_A	RARLN25	12_SECOM_OffConYr2											20			2.45571E-10			
LINE_A	RARLN25																		
LINE_A	RARLN25																		
AREA_P	PAREA29	04_SWI_NE_OnConYr2		4.75	5							0				8.72E-09			
AREA_P	PAREA24	04_SWI_NE_OnConYr1		4.75	5							0				9.28E-09			
AREA_P	PAREA59	01MassGrading06		4.73	5							0				9.69797E-09			
AREA_P	PAREA25	04_SWI_SW_ConYr1		5.94	5											9.28E-09			
AREA_P	PAREA27	04_SWI_SW_ConYr2		5.94	5							0				8.72E-09			
AREA_P	PAREA26	04_SWI_NW_ConYr1		5.95	5											9.28E-09			
AREA_P	PAREA49	04_SWI_NW_ConYr2		5.95	5							0				8.72E-09			
AREA_P	PAREA46	03_Substation_OnConYr1		4.17	5											2.75E-08			
AREA_P	PAREA64	03_Substation_OnConYr2		4.17	5							0				5.69E-09			
AREA_P	PAREA47	02_StreetA_OnConYr1		7.14	5											4.07E-08			
AREA_P	PAREA65	11_NECOM_OnConYr1		3.23	5											2.44E-08			
AREA_P	PAREA66	11_NECOM_OnConYr2		3.23	5							0				8.78E-09			



LineVolumeType	LineArea_Ratio1	Line_FPRIMEL	Line_L	Line_HB	Line_WB	Line_WM	Line_DX	Num_Coords	X1	Y1	X2	Y2	X3	Y3	X4	Y4	X5	Y5
									[m]	[m]	[m]	[m]	[m]	[m]	[m]	[m]		
								5	569453.08	3733836.72	569457.14	3733815.93	570124.54	3733819.75	570125.76	3734009.61	569459.50	3734009.95
								5	569453.08	3733836.72	569457.14	3733815.93	570124.54	3733819.75	570125.76	3734009.61	569459.50	3734009.95
								5	569453.08	3733836.72	569457.14	3733815.93	570124.54	3733819.75	570125.76	3734009.61	569459.50	3734009.95
								5	569453.08	3733836.72	569459.61	3733791.21	570124.54	3733795.03	570125.76	3734009.61	569459.50	3734009.95
								4	570124.35	3734010.44	570125.01	3733792.88	570746.61	3733791.05	570750.41	3734005.71		
								4	570124.35	3734010.44	570123.96	3733820.20	570838.36	3733821.05	570838.01	3734012.59		
								4	570124.35	3734010.44	570123.96	3733820.20	570838.36	3733821.05	570838.01	3734012.59		
								4	570124.35	3734010.44	570123.96	3733820.20	570838.36	3733821.05	570838.01	3734012.59		
								4	570124.35	3734010.44	570123.96	3733820.20	570838.36	3733821.05	570838.01	3734012.59		
								7	570744.88	3733801.22	570742.34	3733560.26	570798.78	3733581.18	570921.16	3733662.98	570930.67	3733671.86
								7	570744.88	3733801.22	570742.34	3733560.26	570798.78	3733581.18	570921.16	3733662.98	570930.67	3733671.86
								7	570748.03	3734009.22	570742.34	3733560.26	570798.78	3733581.18	570921.16	3733662.98	570930.67	3733671.86
								7	570123.71	3733657.51	570128.18	3733503.61	570049.70	3733500.51	570047.63	3733435.46	570003.23	3733433.39
								7	570123.71	3733657.51	570128.18	3733503.61	570049.70	3733500.51	570047.63	3733435.46	570003.23	3733433.39
								8	570126.38	3733641.44	570128.18	3733431.28	569984.15	3733433.14	569803.25	3733453.19	569634.21	3733491.71
								7	570126.22	3733654.76	570124.85	3733500.24	570200.33	3733502.87	570201.21	3733438.80	570386.43	3733463.37
								6	570743.79	3733649.11	570743.34	3733553.51	570588.91	3733507.88	570386.43	3733463.37	570386.61	3733559.34
								4	570743.79	3733649.11	570385.27	3733650.71	570383.70	3733795.90	570740.06	3733794.64		
								4	570125.10	3733655.82	570385.93	3733649.59	570383.78	3733793.87	570125.24	3733797.60		
								7	570126.22	3733654.76	570124.85	3733500.24	570200.33	3733502.87	570201.21	3733438.80	570386.43	3733463.37
								6	570743.79	3733649.11	570743.34	3733553.51	570588.91	3733507.88	570386.43	3733463.37	570386.61	3733559.34
								4	570743.79	3733649.11	570385.27	3733650.71	570383.70	3733795.90	570740.06	3733794.64		
								4	570125.10	3733655.82	570385.93	3733649.59	570383.78	3733793.87	570125.24	3733797.60		
								4	570743.79	3733649.11	570123.70	3733642.30	570124.23	3733795.90	570740.06	3733794.64		
								6	570743.79	3733649.11	570743.34	3733553.51	570588.91	3733507.88	570203.64	3733435.01	570127.13	3733434.33
	10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10	3733509.71	570403.57	3733437.22
								Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12
								Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85	5.51	6.24	7.29
	10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10	3733509.71	570403.57	3733437.22
								Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12
								Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85	5.51	6.24	7.29
	10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10	3733509.71	570403.57	3733437.22
								Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12
								Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85	5.51	6.24	7.29
	10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10	3733509.71	570403.57	3733437.22
								Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12
								Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85	5.51	6.24	7.29
	10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10	3733509.71	570403.57	3733437.22
								Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12
								Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85	5.51	6.24	7.29
	10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10	3733509.71	570403.57	3733437.22
								Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12
								Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85	5.51	6.24	7.29
	10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10	3733509.71	570403.57	3733437.22
								Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12
								Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85	5.51	6.24	7.29
	10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10	3733509.71	570403.57	3733437.22
								Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12
								Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85	5.51	6.24	7.29
	10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10	3733509.71	570403.57	3733437.22
								Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12
								Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85	5.51	6.24	7.29
	10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10	3733509.71	570403.57	3733437.22
								Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12
								Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85	5.51	6.24	7.29
	10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10	3733509.71	570403.57	3733437.22
								Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12
								Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85	5.51	6.24	7.29
	10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10	3733509.71	570403.57	3733437.22
								Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12
								Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85	5.51	6.24	7.29
	10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10	3733509.71	570403.57	3733437.22
								Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12
								Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85	5.51	6.24	7.29
	10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10	3733509.71	570403.57	3733437.22
								Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12
								Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85	5.51	6.24	7.29
	10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10	3733509.71	570403.57	3733437.22
								Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12
								Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85	5.51	6.24	7.29
	10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10	3733509.71	570403.57	3733437.22
								Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12
								Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85	5.51	6.24	7.29
	10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10	3733509.71	570403.57	3733437.22
								Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12
								Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85	5.51	6.24	7.29
	10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10	3733509.71	570403.57	3733437.22
								Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12
								Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85	5.51	6.24	7.29
	10							11	570957.28	3733820.64	570961.22	3733643.39	570749.56	3733537.34	570706.10	3733509.71	570403.57	3733437.22
								Rel_Height_m	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12
								Base_Elev_m	2.18	1.24	1.07	1.24	2.17	3.73	3.85	5.51	6.24	7.29
								4	570122.56	3733801.52	570122.56	3733661.84	569803.44	3733659.07	569801.59	3733799.67		
								4	570122.56	3733801.52	570122.56	3733661.84	569803.44	3733659.07	569801.59	3733799.67		
								5	570123.45	3733793.48	570126.13	3733642.20	569514.13	3733644.78	569484.58	3733710.31	569464.96	3733788.95
								6	569803.44	3733660.92	569503.74	3733669.24	569530.57	3733609.12	569593.47	3733530.50	569635.09	3733489.80
								6	569803.44	3733660.92	569503.74	3733669.24	569530.57	3733609.12	569593.47	3733530.50	569635.09	3733489.80
								9	569802.51	3733664.57	569801.59	3733798.70	569548.81	3733792.48	569547.22	3733817.85	569457.82	3733815.54
								9	569802.51	3733664.57	569801.59	3733798.70	569548.81	3733792.48	569547.22	3733817.85	569457.82	3733815.54
								4	570049.39	3733502.08	570052.07	3733432.96	570203.12	3733435.04	570199.26	3733503.30		
								4	570049.39	3733502.08	570052.07	3733432.96	570203.12	3733435.04	570199.26	3733503.30		
								9	569551.77	3733824.40	569539.20	3733809.42	569545.00	3733790.57	569572.55	3733792.02	570160.77	3733796.11
								4	570835.88	3734011.50	570836.83	3733821.73	570931.12	3733820.34	570934.80	3734014.27		
								4	570835.88	3734011.50	570836.83	3733821.73	570931.12	3733820.34	570934.80	3734014.27		



X6	Y6	X7	Y7	X8	Y8	X9	Y9	X10	Y10	X11	Y11							

570928.13 3733800.59 570746.78 3733801.22
570928.13 3733800.59 570746.78 3733801.22
570930.23 3734004.38 570846.58 3734010.27
569796.70 3733456.11 569804.25 3733658.19
569796.70 3733456.11 569804.25 3733658.19
569592.49 3733530.72 569531.51 3733604.34 569514.94 3733643.90
570386.61 3733559.34 570385.27 3733650.71
570385.27 3733650.71

570386.61 3733559.34 570385.27 3733650.71
570385.27 3733650.71

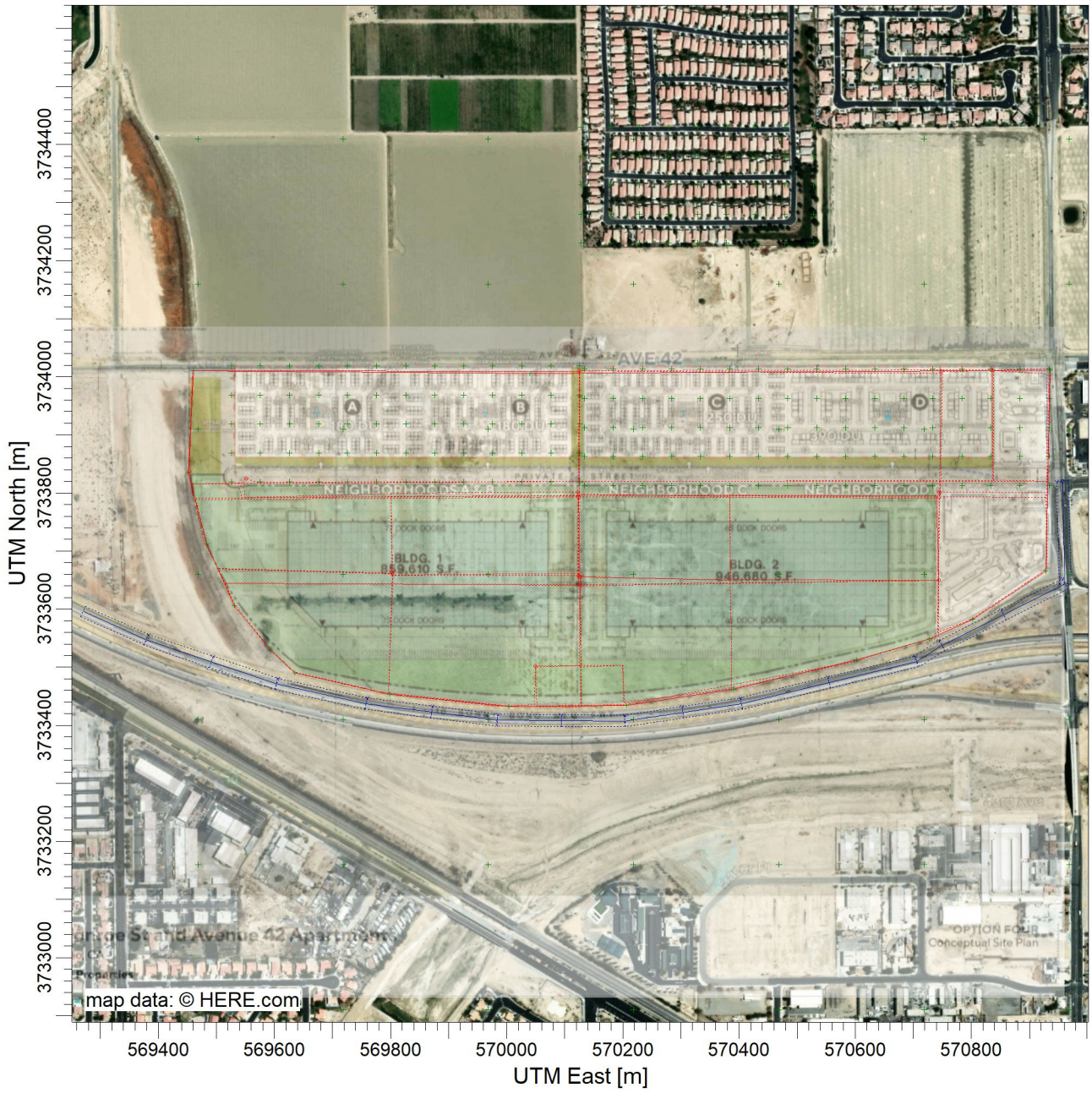
570126.85 3733640.20
570203.37 3733407.48 569983.78 3733409.05 569757.81 3733437.24 569603.57 3733471.18 569379.62 3733547.30 569270.48 3733596.16
4.12
8.09
570203.37 3733407.48 569983.78 3733409.05 569757.81 3733437.24 569603.57 3733471.18 569379.62 3733547.30 569270.48 3733596.16
4.12
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570203.37 3733407.48 569983.78 3733409.05 569757.81 3733437.24 569603.57 3733471.18 569379.62 3733547.30 569270.48 3733596.16
4.12
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570203.37 3733407.48 569983.78 3733409.05 569757.81 3733437.24 569603.57 3733471.18 569379.62 3733547.30 569270.48 3733596.16
4.12
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570203.37 3733407.48 569983.78 3733409.05 569757.81 3733437.24 569603.57 3733471.18 569379.62 3733547.30 569270.48 3733596.16
4.12
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570203.37 3733407.48 569983.78 3733409.05 569757.81 3733437.24 569603.57 3733471.18 569379.62 3733547.30 569270.48 3733596.16
4.12
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570203.37 3733407.48 569983.78 3733409.05 569757.81 3733437.24 569603.57 3733471.18 569379.62 3733547.30 569270.48 3733596.16
4.12
8.09
570203.37 3733407.48 569983.78 3733409.05 569757.81 3733437.24 569603.57 3733471.18 569379.62 3733547.30 569270.48 3733596.16
4.12
8.09
570203.37 3733407.48 569983.78 3733409.05 569757.81 3733437.24 569603.57 3733471.18 569379.62 3733547.30 569270.48 3733596.16
4.12
8.09
570203.37 3733407.48 569983.78 3733409.05 569757.81 3733437.24 569603.57 3733471.18 569379.62 3733547.30 569270.48 3733596.16
4.12
8.09
570203.37 3733407.48 569983.78 3733409.05 569757.81 3733437.24 569603.57 3733471.18 569379.62 3733547.30 569270.48 3733596.16
4.12
8.09
570203.37 3733407.48 569983.78 3733409.05 569757.81 3733437.24 569603.57 3733471.18 569379.62 3733547.30 569270.48 3733596.16
4.12
8.09
570203.37 3733407.48 569983.78 3733409.05 569757.81 3733437.24 569603.57 3733471.18 569379.62 3733547.30 569270.48 3733596.16
4.12
8.09
570203.37 3733407.48 569983.78 3733409.05 569757.81 3733437.24 569603.57 3733471.18 569379.62 3733547.30 569270.48 3733596.16
4.12
8.09
570203.37 3733407.48 569983.78 3733409.05 569757.81 3733437.24 569603.57 3733471.18 569379.62 3733547.30 569270.48 3733596.16
4.12
8.09
570203.37 3733407.48 569983.78 3733409.05 569757.81 3733437.24 569603.57 3733471.18 569379.62 3733547.30 569270.48 3733596.16
4.12
8.09
570203.37 3733407.48 569983.78 3733409.05 569757.81 3733437.24 569603.57 3733471.18 569379.62 3733547.30 569270.48 3733596.16
4.12
8.09
570203.37 3733407.48 569983.78 3733409.05 569757.81 3733437.24 569603.57 3733471.18 569379.62 3733547.30 569270.48 3733596.16
4.12
8.09
570203.37 3733407.48 569983.78 3733409.05 569757.81 3733437.24 569603.57 3733471.18 569379.62 3733547.30 569270.48 3733596.16
4.12
8.09
570203.37 3733407.48 569983.78 3733409.05 569757.81 3733437.24 569603.57 3733471.18 569379.62 3733547.30 569270.48 3733596.16
4.12
8.09

569796.96 3733453.72
569796.96 3733453.72
569477.83 3733717.30 569502.81 3733670.12 569803.44 3733661.80 569801.82 3733665.61
569477.83 3733717.30 569502.81 3733670.12 569803.44 3733661.80 569801.82 3733665.61

570931.29 3733791.88 570931.56 3733820.61 570141.71 3733820.04 569571.35 3733818.33

PROJECT TITLE:

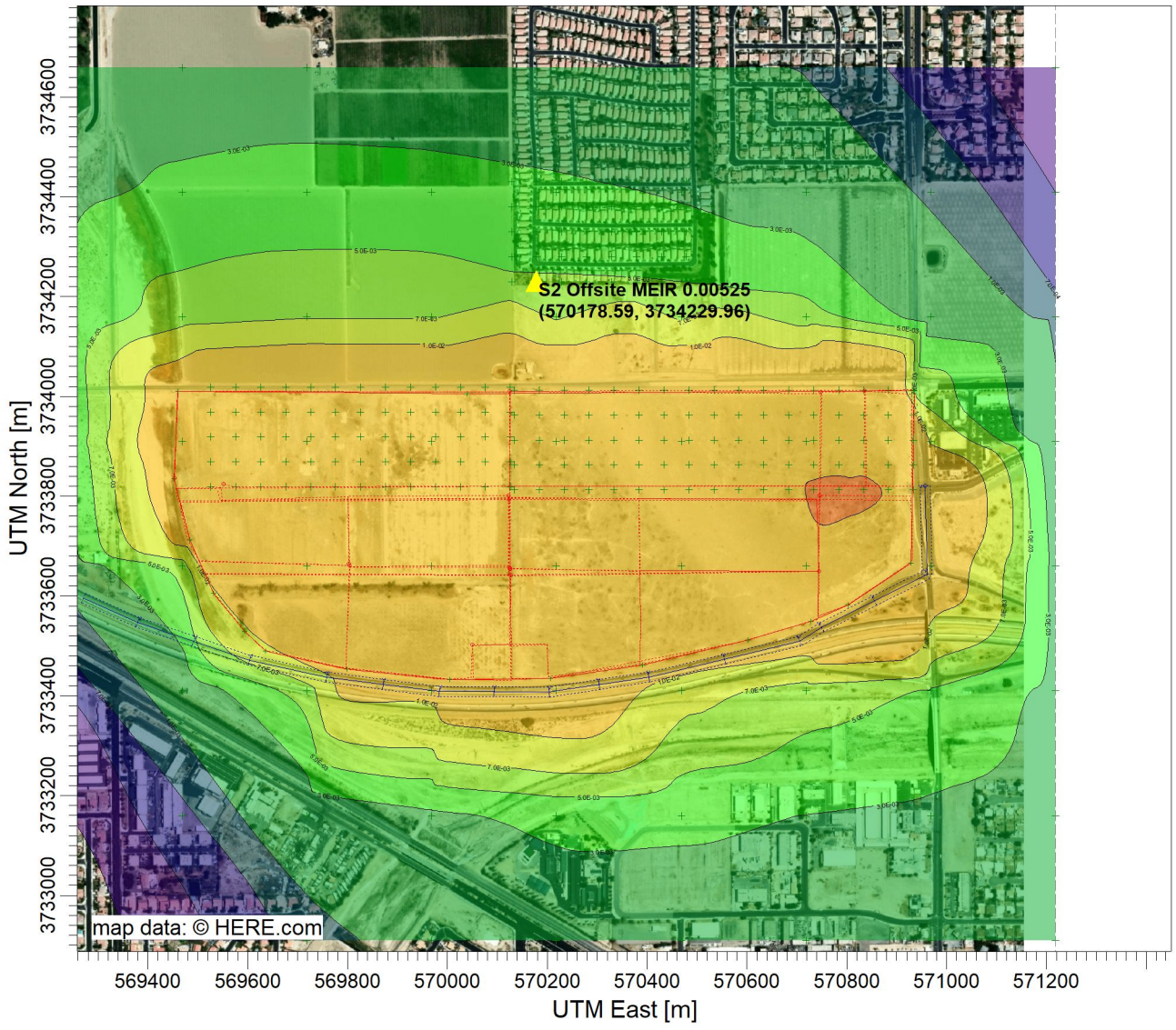
Indio_Oasis_S2_MitigatedConstruction



COMMENTS: Scenario 2 Sources	SOURCES: **56**	COMPANY NAME: **MIG**	
	RECEPTORS: **283**	MODELER: **K. Kitowski**	
		SCALE: 1:11,011 0 — 0.4 km	
		DATE: **12/5/2023**	PROJECT NO.: **Oasis at Indio**

PROJECT TITLE:

Indio_Oasis_S2_MitigatedConstruction



PLOT FILE OF PERIOD VALUES AVERAGED ACROSS 0 YEARS FOR SOURCE GROUP: Y1ALL ug/m^3

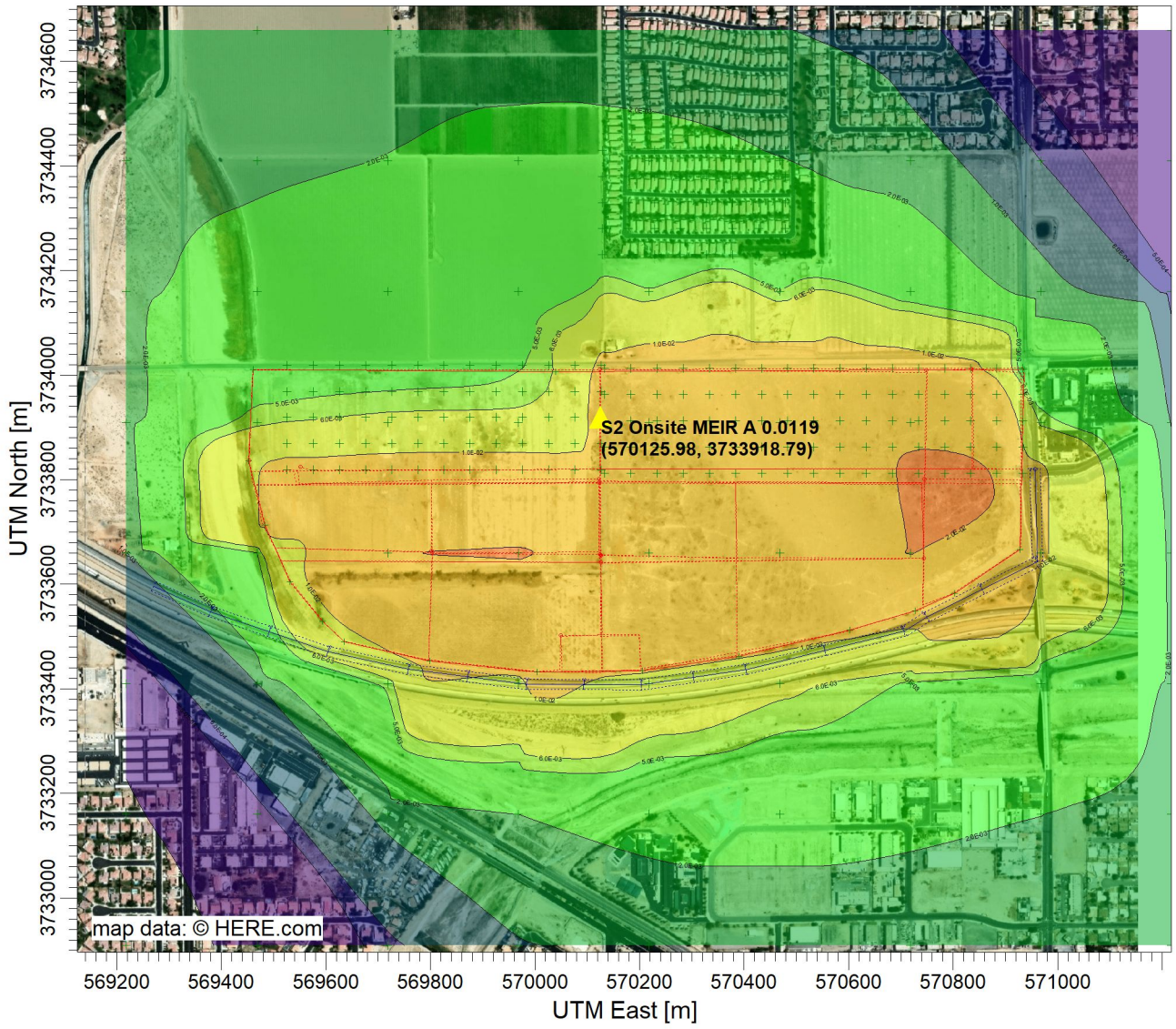
Max: 3.4E-02 [ug/m^3] at (570783.72, 3733812.79)

3.4E-04 5.0E-04 7.0E-04 1.0E-03 3.0E-03 5.0E-03 7.0E-03 1.0E-02 3.0E-02 3.4E-02

COMMENTS: Scenario 2 Mitigated Construction	SOURCES: **56**	COMPANY NAME: **MIG**	
	RECEPTORS: **283**	MODELER: **K. Kitowski**	
	OUTPUT TYPE: **Concentration**	SCALE: 1:13,787 — 0 — 0.5 km	
	MAX: **3.4E-02 ug/m^3**	DATE: **12/5/2023**	PROJECT NO.: **Oasis at Indio**

PROJECT TITLE:

Indio_Oasis_S2_MitigatedConstruction



PLOT FILE OF PERIOD VALUES AVERAGED ACROSS 0 YEARS FOR SOURCE GROUP: Y2WO_NWR ug/m^3

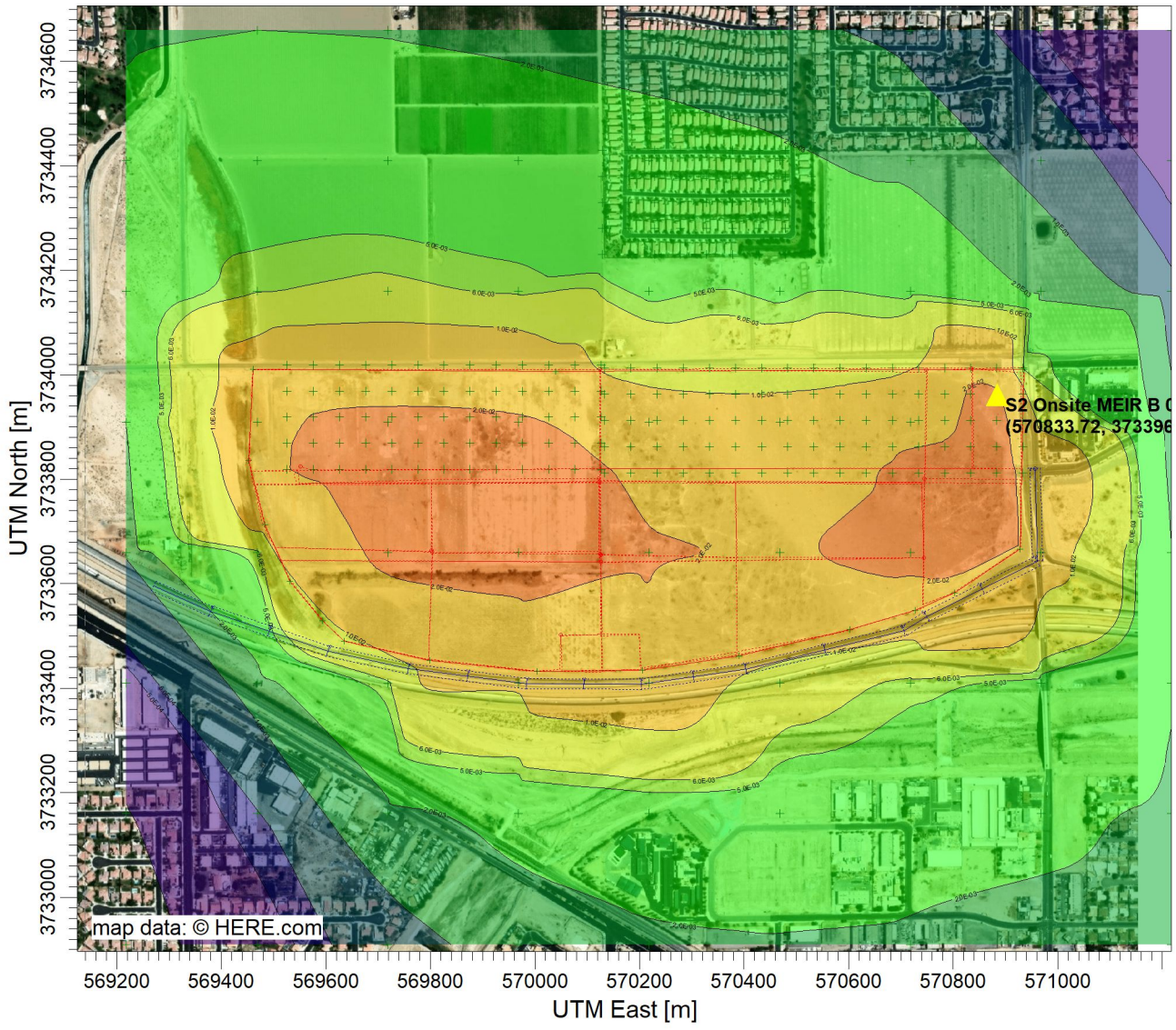
Max: 2.5E-02 [ug/m^3] at (570783.72, 3733812.79)

2.4E-04 5.0E-04 6.0E-04 1.0E-03 2.0E-03 5.0E-03 6.0E-03 1.0E-02 2.0E-02 2.5E-02

COMMENTS: Scenario 2 Mitigated Construction	SOURCES: **56**	COMPANY NAME: **MIG**	
	RECEPTORS: **283**	MODELER: **K. Kitowski**	
	OUTPUT TYPE: **Concentration**	SCALE: 1:13,166 — 0 — 0.4 km	
	MAX: **2.5E-02 ug/m^3**	DATE: **12/5/2023**	PROJECT NO.: **Oasis at Indio**

PROJECT TITLE:

Indio_Oasis_S2_MitigatedConstruction



PLOT FILE OF PERIOD VALUES AVERAGED ACROSS 0 YEARS FOR SOURCE GROUP: Y1WO_NER ug/m^3

Max: 3.0E-02 [ug/m^3] at (570783.72, 3733812.79)

3.0E-04 5.0E-04 6.0E-04 1.0E-03 2.0E-03 5.0E-03 6.0E-03 1.0E-02 2.0E-02 3.0E-02

COMMENTS: Scenario 2 Mitigated Construction	SOURCES: **56**	COMPANY NAME: **MIG**	
	RECEPTORS: **283**	MODELER: **K. Kitowski**	
	OUTPUT TYPE: **Concentration**	SCALE: 1:13,166 — 0 — 0.4 km	
	MAX: **3.0E-02 ug/m^3**	DATE: **12/5/2023**	PROJECT NO.: **Oasis at Indio**

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AERMOD Summary Files: Scenario 2 Unmitigated Operations

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

```
                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:    141 VOLUME source(s)
                 and:    149 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with a total
of     0 line(s)


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

 **The AERMET Input Meteorological Data Version Date:  16216

 **Output Options Selected:
          Model Outputs Tables of PERIOD Averages by Receptor
          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)
=   -36.00 ;  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 =      4.0 MB of
RAM.

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

 **Detailed Error/Message File:   Indio_Oasis_S2_Operational.err
 **File for Summary of Results:   Indio_Oasis_S2_Operational.sum
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING *** (1=YES; 0=NO)

```
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***

(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

Surface file: C:\Users\sjremote\Desktop\FORINDIO\KTRM_v9.SFC Met Version: 16216
Profile file: C:\Users\sjremote\Desktop\FORINDIO\KTRM_v9.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 3104 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2012 Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
12	01	01	1	01	-7.8	0.118	-9.000	-9.000	-999.	98.	19.4	0.08	1.91	1.00	1.59	77.	10.1	278.8	2.0
12	01	01	1	02	-15.8	0.171	-9.000	-9.000	-999.	169.	32.1	0.08	1.91	1.00	2.23	288.	10.1	277.5	2.0
12	01	01	1	03	-16.9	0.177	-9.000	-9.000	-999.	178.	34.3	0.08	1.91	1.00	2.30	325.	10.1	278.8	2.0
12	01	01	1	04	-3.0	0.076	-9.000	-9.000	-999.	56.	13.4	0.08	1.91	1.00	0.94	321.	10.1	275.4	2.0
12	01	01	1	05	-4.7	0.092	-9.000	-9.000	-999.	67.	15.0	0.08	1.91	1.00	1.23	342.	10.1	274.2	2.0
12	01	01	1	06	-10.7	0.139	-9.000	-9.000	-999.	124.	22.8	0.08	1.91	1.00	1.84	309.	10.1	274.9	2.0
12	01	01	1	07	-18.8	0.186	-9.000	-9.000	-999.	193.	38.2	0.08	1.91	1.00	2.42	338.	10.1	277.0	2.0
12	01	01	1	08	-11.5	0.179	-9.000	-9.000	-999.	182.	45.7	0.08	1.91	0.49	2.30	343.	10.1	282.5	2.0
12	01	01	1	09	44.9	0.190	0.372	0.007	42.	198.	-13.9	0.08	1.91	0.30	1.86	334.	10.1	288.8	2.0
12	01	01	1	10	109.3	0.237	0.720	0.006	125.	278.	-11.2	0.08	1.91	0.23	2.27	333.	10.1	293.8	2.0
12	01	01	1	11	153.1	0.246	1.122	0.005	338.	293.	-8.9	0.08	1.91	0.21	2.28	348.	10.1	297.0	2.0
12	01	01	1	12	173.2	0.204	1.424	0.005	612.	222.	-4.5	0.08	1.91	0.20	1.72	322.	10.1	298.8	2.0

```
 12 01 01   1 13  169.9  0.156  1.670  0.005 1005.  148.     -2.0
0.08   1.91   0.20    1.14  351.   10.1  300.4    2.0
 12 01 01   1 14  142.4  0.144  1.714  0.005 1296.  131.     -1.9
0.08   1.91   0.22    1.04  329.   10.1  300.9    2.0
 12 01 01   1 15   92.8  0.142  1.542  0.005 1447.  129.     -2.8
0.08   1.91   0.25    1.11  316.   10.1  301.4    2.0
 12 01 01   1 16   24.5  0.122  0.995  0.005 1469.  102.     -6.8
0.08   1.91   0.35    1.09  301.   10.1  300.4    2.0
 12 01 01   1 17   -3.0  0.077 -9.000 -9.000 -999.   51.     13.7
0.08   1.91   0.65    0.99  209.   10.1  292.0    2.0
 12 01 01   1 18  -11.9  0.149 -9.000 -9.000 -999.  138.     25.2
0.08   1.91   1.00    1.96  149.   10.1  286.4    2.0
 12 01 01   1 19   -6.4  0.107 -9.000 -9.000 -999.   85.     17.7
0.08   1.91   1.00    1.45   31.   10.1  284.9    2.0
 12 01 01   1 20  -15.7  0.171 -9.000 -9.000 -999.  169.     32.1
0.08   1.91   1.00    2.23  327.   10.1  283.1    2.0
 12 01 01   1 21   -8.3  0.122 -9.000 -9.000 -999.  103.     20.2
0.08   1.91   1.00    1.64  347.   10.1  282.0    2.0
 12 01 01   1 22   -7.9  0.119 -9.000 -9.000 -999.   99.     19.6
0.08   1.91   1.00    1.60  316.   10.1  279.2    2.0
 12 01 01   1 23   -5.3  0.097 -9.000 -9.000 -999.   73.     15.9
0.08   1.91   1.00    1.31  325.   10.1  278.1    2.0
 12 01 01   1 24   -9.4  0.130 -9.000 -9.000 -999.  113.     21.5
0.08   1.91   1.00    1.74  304.   10.1  278.8    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW
sigmaV
 12 01 01 01   10.1 1   77.    1.59   278.8
99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
OP_B1ALL	1ST HIGHEST VALUE IS	0.01705	AT (569968.32, 3733409.80, 3.96, 3.96, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.01685	AT (569718.32, 3733409.80, 5.71, 5.71, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00661	AT (569798.77, 3733453.54, 5.25, 5.25, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00650	AT (570003.76, 3733432.37, 3.91, 3.91, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00596	AT (569635.26, 3733489.98, 6.29, 6.29, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00492	AT (569593.31, 3733529.66, 6.40, 6.40, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00369	AT (569531.03, 3733605.38, 6.61, 6.61, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00364	AT (569718.32, 3733659.80, 6.43, 6.43, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00356	AT (570218.32, 3733409.80, 3.64, 3.64, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00334	AT (570205.94, 3733434.38, 3.77, 3.77, 0.00)	DC	
OP_B2ALL	1ST HIGHEST VALUE IS	0.05064	AT (569718.32, 3733409.80, 5.71, 5.71, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.04801	AT (569968.32, 3733409.80, 3.96, 3.96, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.01491	AT (570468.32, 3733409.80, 1.57, 1.57, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.01174	AT (570390.58, 3733461.97, 2.49, 2.49, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.01077	AT (570718.32,		

```
3733409.80,     0.97,     0.97,    0.00)  DC
          6TH HIGHEST VALUE IS       0.01077 AT (  570727.67,
3733549.01,     1.31,     1.31,    0.00)  DC
          7TH HIGHEST VALUE IS       0.01054 AT (  570218.32,
3733409.80,     3.64,     3.64,    0.00)  DC
          8TH HIGHEST VALUE IS       0.01019 AT (  570602.35,
3733512.22,     1.80,     1.80,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00938 AT (  570718.32,
3733659.80,     2.01,     2.01,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00937 AT (  570205.94,
3733434.38,     3.77,     3.77,    0.00)  DC

OP_B1ON   1ST HIGHEST VALUE IS       0.00499 AT (  569798.77,
3733453.54,     5.25,     5.25,    0.00)  DC
          2ND HIGHEST VALUE IS       0.00496 AT (  570003.76,
3733432.37,     3.91,     3.91,    0.00)  DC
          3RD HIGHEST VALUE IS       0.00448 AT (  569635.26,
3733489.98,     6.29,     6.29,    0.00)  DC
          4TH HIGHEST VALUE IS       0.00429 AT (  569968.32,
3733409.80,     3.96,     3.96,    0.00)  DC
          5TH HIGHEST VALUE IS       0.00412 AT (  569593.31,
3733529.66,     6.40,     6.40,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00341 AT (  569718.32,
3733659.80,     6.43,     6.43,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00329 AT (  569718.32,
3733409.80,     5.71,     5.71,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00329 AT (  569531.03,
3733605.38,     6.61,     6.61,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00311 AT (  569968.32,
3733659.80,     5.02,     5.02,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00266 AT (  569483.57,
3733712.93,     6.82,     6.82,    0.00)  DC

OP_B1OFF  1ST HIGHEST VALUE IS       0.01356 AT (  569718.32,
3733409.80,     5.71,     5.71,    0.00)  DC
          2ND HIGHEST VALUE IS       0.01276 AT (  569968.32,
3733409.80,     3.96,     3.96,    0.00)  DC
          3RD HIGHEST VALUE IS       0.00253 AT (  570468.32,
3733409.80,     1.57,     1.57,    0.00)  DC
          4TH HIGHEST VALUE IS       0.00186 AT (  570718.32,
3733409.80,     0.97,     0.97,    0.00)  DC
          5TH HIGHEST VALUE IS       0.00178 AT (  570968.32,
3733659.80,     1.33,     1.33,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00162 AT (  569798.77,
3733453.54,     5.25,     5.25,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00162 AT (  569468.32,
3733409.80,     6.82,     6.82,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00161 AT (  570218.32,
3733409.80,     3.64,     3.64,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00155 AT (  570003.76,
3733432.37,     3.91,     3.91,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00154 AT (  570968.32,
```

```
3733409.80,    -1.04,    -1.04,    0.00)  DC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
OP_B2ON	1ST HIGHEST VALUE IS	0.00825	AT (570718.32, 3733659.80, 2.01, 2.01, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00777	AT (570390.58, 3733461.97, 2.49, 2.49, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00775	AT (570727.67, 3733549.01, 1.31, 1.31, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00668	AT (570602.35, 3733512.22, 1.80, 1.80, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00588	AT (570468.32, 3733659.80, 3.13, 3.13, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00556	AT (570218.32, 3733659.80, 4.13, 4.13, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00552	AT (570468.32, 3733409.80, 1.57, 1.57, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00495	AT (570383.72, 3733812.79, 4.02, 4.02, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00493	AT (570433.72, 3733812.79, 3.88, 3.88, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00492	AT (570205.94, 3733434.38, 3.77, 3.77, 0.00)	DC	
OP_B2OFF	1ST HIGHEST VALUE IS	0.05040	AT (569718.32, 3733409.80, 5.71, 5.71, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.04744	AT (569968.32, 3733409.80, 3.96, 3.96, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00939	AT (570468.32, 3733409.80, 1.57, 1.57, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00691	AT (570718.32, 3733409.80, 0.97, 0.97, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00654	AT (570968.32,		

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3733659.80,     1.33,     1.33,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00602 AT (  569798.77,
3733453.54,     5.25,     5.25,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00602 AT (  569468.32,
3733409.80,     6.82,     6.82,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00599 AT (  570218.32,
3733409.80,     3.64,     3.64,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00575 AT (  570003.76,
3733432.37,     3.91,     3.91,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00567 AT (  570968.32,
3733409.80,    -1.04,    -1.04,    0.00)  DC

OP_ALL    1ST HIGHEST VALUE IS       0.06791 AT (  569718.32,
3733409.80,     5.71,     5.71,    0.00)  DC
          2ND HIGHEST VALUE IS       0.06623 AT (  569968.32,
3733409.80,     3.96,     3.96,    0.00)  DC
          3RD HIGHEST VALUE IS       0.03307 AT (  570883.72,
3733812.79,     2.34,     2.34,    0.00)  DC
          4TH HIGHEST VALUE IS       0.02477 AT (  570935.66,
3734011.21,     2.85,     2.85,    0.00)  DC
          5TH HIGHEST VALUE IS       0.02473 AT (  570968.32,
3733909.80,     2.47,     2.47,    0.00)  DC
          6TH HIGHEST VALUE IS       0.02322 AT (  570783.72,
3733812.79,     2.63,     2.63,    0.00)  DC
          7TH HIGHEST VALUE IS       0.02308 AT (  570833.72,
3733812.79,     2.48,     2.48,    0.00)  DC
          8TH HIGHEST VALUE IS       0.02289 AT (  570968.32,
3733659.80,     1.33,     1.33,    0.00)  DC
          9TH HIGHEST VALUE IS       0.02157 AT (  570933.72,
3734012.79,     2.86,     2.86,    0.00)  DC
         10TH HIGHEST VALUE IS       0.01976 AT (  570233.72,
3734012.79,     4.92,     4.92,    0.00)  DC

OP_COMAL  1ST HIGHEST VALUE IS       0.02776 AT (  570883.72,
3733812.79,     2.34,     2.34,    0.00)  DC
          2ND HIGHEST VALUE IS       0.02381 AT (  570935.66,
3734011.21,     2.85,     2.85,    0.00)  DC
          3RD HIGHEST VALUE IS       0.02335 AT (  570968.32,
3733909.80,     2.47,     2.47,    0.00)  DC
          4TH HIGHEST VALUE IS       0.02061 AT (  570933.72,
3734012.79,     2.86,     2.86,    0.00)  DC
          5TH HIGHEST VALUE IS       0.01809 AT (  569975.98,
3734018.79,     5.64,     5.64,    0.00)  DC
          6TH HIGHEST VALUE IS       0.01785 AT (  570233.72,
3734012.79,     4.92,     4.92,    0.00)  DC
          7TH HIGHEST VALUE IS       0.01782 AT (  570833.72,
3733812.79,     2.48,     2.48,    0.00)  DC
          8TH HIGHEST VALUE IS       0.01775 AT (  570783.72,
3733812.79,     2.63,     2.63,    0.00)  DC
          9TH HIGHEST VALUE IS       0.01728 AT (  570025.98,
3734018.79,     5.50,     5.50,    0.00)  DC
         10TH HIGHEST VALUE IS       0.01725 AT (  569725.98,
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3734018.79,     6.26,     6.26,    0.00)  DC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	AVERAGE CONC OF TYPE	GRID-ID
OP_COMOF	1ST HIGHEST VALUE IS	0.02348 AT (570935.66, 3734011.21, 2.85, 2.85, 0.00)	DC
	2ND HIGHEST VALUE IS	0.02283 AT (570968.32, 3733909.80, 2.47, 2.47, 0.00)	DC
	3RD HIGHEST VALUE IS	0.02028 AT (570933.72, 3734012.79, 2.86, 2.86, 0.00)	DC
	4TH HIGHEST VALUE IS	0.01807 AT (569975.98, 3734018.79, 5.64, 5.64, 0.00)	DC
	5TH HIGHEST VALUE IS	0.01781 AT (570233.72, 3734012.79, 4.92, 4.92, 0.00)	DC
	6TH HIGHEST VALUE IS	0.01725 AT (570025.98, 3734018.79, 5.50, 5.50, 0.00)	DC
	7TH HIGHEST VALUE IS	0.01724 AT (569725.98, 3734018.79, 6.26, 6.26, 0.00)	DC
	8TH HIGHEST VALUE IS	0.01664 AT (570283.72, 3734012.79, 4.79, 4.79, 0.00)	DC
	9TH HIGHEST VALUE IS	0.01652 AT (569775.98, 3734018.79, 6.10, 6.10, 0.00)	DC
	10TH HIGHEST VALUE IS	0.01637 AT (570075.98, 3734018.79, 5.35, 5.35, 0.00)	DC
OP_COMON	1ST HIGHEST VALUE IS	0.02595 AT (570883.72, 3733812.79, 2.34, 2.34, 0.00)	DC
	2ND HIGHEST VALUE IS	0.01665 AT (570783.72, 3733812.79, 2.63, 2.63, 0.00)	DC
	3RD HIGHEST VALUE IS	0.01655 AT (570833.72, 3733812.79, 2.48, 2.48, 0.00)	DC
	4TH HIGHEST VALUE IS	0.00519 AT (570933.72, 3733812.79, 2.21, 2.21, 0.00)	DC
	5TH HIGHEST VALUE IS	0.00173 AT (570928.50,	

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3733665.75,     1.41,     1.41,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00169 AT (  570833.72,
3733862.79,     2.68,     2.68,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00138 AT (  570968.32,
3733659.80,     1.33,     1.33,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00134 AT (  570883.72,
3733862.79,     2.55,     2.55,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00127 AT (  570783.72,
3733862.79,     2.83,     2.83,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00112 AT (  570733.72,
3733812.79,     2.80,     2.80,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
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*** 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 1124 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 595 Calm Hours Identified

A Total of 529 Missing Hours Identified (1.21 Percent)

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

******** WARNING MESSAGES ********
ME W340 5437 PRBASE: Possible Error in PROFBASE Input: Value is < 0 PROFBASE
ME W186 5438 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 5438 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

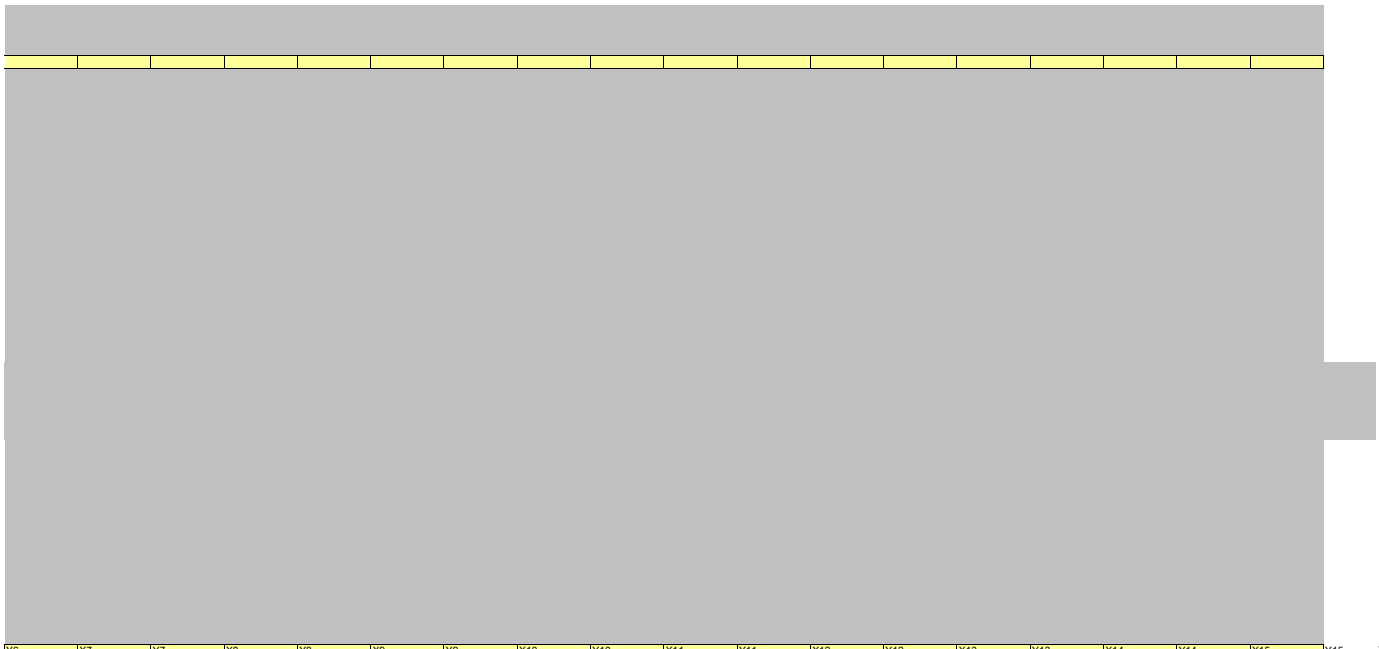
AERMOD View - Source Parameters
MS Excel - Lakes Format: Version 3.0
Supported Source Types: Point, Rectangular Area, Circular Area, Polygon Area, Volume, Open Pit, Line Volume, Line Area

Parameters	Units	Description
Type		POINT, AREA, AREA_CIRC, AREA_POLY, VOLUME, OPEN_PIT, LINE, LINE_VOLUME, LINE_AREA, BUOYLINE, RLINE, RLINEXT
ID		Source ID up to 12 characters
Desc		Optional description
SourceID_Prefix		Text prefix up to 4 characters long for generated LINE_VOLUME, RLINE, RLINEXT and LINE_AREA sources
Base_Elev	[m]	Source base elevation above mean sea level
Height	[m]	Release height above ground
Diam	[m]	Inner stack diameter (POINT) or circular area radius (AREA_CIRC)
Exit_Vel	[m/s]	Exit velocity (POINT only)
Exit_Temp	[K]	Exit temperature (POINT only)
Release Type		VERTICAL, HORIZONTAL, CAPPED (POINT only) - HORIZONTAL and CAPPED are non-default beta options
SigmaY	[m]	Initial sigma Y (VOLUME only)
SigmaZ	[m]	Initial sigma Z (AREA, AREA_CIRC, AREA_POLY, VOLUME, LINE, RLINE, RLINEXT and LINE_AREA only; optional for AREA, AREA_CIRC, AREA_POLY, and LINE)
Length_X	[m]	X side length (AREA, VOLUME, OPEN PIT, RLINE, RLINEXT, and LINE_AREA only; optional for VOLUME, will be used to calculate SigmaY)
Length_Y	[m]	Y side length (AREA and OPEN PIT only); width for LINE sources; DCL for RLINEXT sources
Rotation_Angle	[degrees]	Clockwise rotation from North of Y side (AREA and OPEN PIT only)
Pit_Volume	[m^3]	Volume of the open pit (OPEN PIT only)
Emission_Rate	[g/s or g/s/m2]	Emission rate (g/s for POINT, VOLUME, and LINE_VOLUME; g/s/m2 for AREA, AREA_CIRC, AREA_POLY, OPENPIT, LINE, RLINE, RLINEXT and LINE_AREA)
Configuration		LINE_VOLUME configuration: Separated, Adjacent or Separated2W
LineVolumeHeight	[m]	Plume Height or Building Height for LINE_VOLUME source
PlumeWidth	[m]	Plume width for LINE_VOLUME source
LineVolumeType		LINE_VOLUME type: None, Surface-Based, Elevated, Elevated Building
LineArea_Ratio1		Ratio 1 for LINE_AREA sources
Line_FPRIMEL =	[m**4/s**3]	Average buoyance parameter (BUOYLINE source only)
Line_L =	[m]	Building Length (BUOYLINE source only)
Line_HB =	[m]	Building Height (BUOYLINE source only)
Line_WB =	[m]	Building Width (BUOYLINE source only)
Line_WM =	[m]	Line Source Width (BUOYLINE source only)
Line_DX =	[m]	Separation between buildings (BUOYLINE source only)
Num_Coords		Number of coordinate pairs (POINT, AREA, AREA_CIRC, VOLUME, OPENPIT = 1; AREA_POLY >= 3; LINE = 2; LINE_AREA, LINE_VOLUME >= 2, RLINE/RLINEXT >= 2)
X1	[m]	X coordinate of source location [m]
Y1	[m]	Y coordinate of source location [m]
X2	[m]	Secondary X coordinate of source location [m] (AREA_POLY, LINE, LINE_VOLUME, LINE_AREA, RLINE, RLINEXT, BUOYLINE sources only)
Y2	[m]	Secondary Y coordinate of source location [m] (AREA_POLY, LINE, LINE_VOLUME, LINE_AREA, RLINE, RLINEXT, BUOYLINE sources only)
X3	[m]	Additional X coordinate of source location [m] (AREA_POLY, LINE_VOLUME, RLINE, RLINEXT, LINE_AREA only)
Y3	[m]	Additional Y coordinate of source location [m] (AREA_POLY, LINE_VOLUME, RLINE, RLINEXT, LINE_AREA only)
X4	[m]	Additional X coordinate of source location [m] (AREA_POLY, LINE_VOLUME, RLINE, RLINEXT, LINE_AREA only)
Y4	[m]	Additional Y coordinate of source location [m] (AREA_POLY, LINE_VOLUME, RLINE, RLINEXT, LINE_AREA only)
Base_Elev_m	[m]	Base Elevation for LINE_VOLUME, LINE_AREA, RLINE, RLINEXT Nodes
Rel_Height_m	[m]	Release height for LINE_VOLUME, LINE_AREA, RLINE, RLINEXT Nodes
Rbarrier	[m]	Barrier properties HW1, DW1, HW2, DW2 for RLINEXT sources
Rdepression	[m]	Depression properties Depth, Wtop, Wbottom for RLINEXT sources

NOTE: you may keep adding additional coordinate pairs for an AREA_POLY or LINE_VOLUME sources, be sure to add the headers as well (eg. X5, Y5, etc)

Type	ID	Desc	SourceID_Prefix	Base_Elev	Height	Diam	Exit_Vel	Exit_Temp	Release_Type	SigmaY	SigmaZ	Length_X	Length_Y	Rotation_Angle	Pit_Volume	Emission_Rate	Configuration	LineVolumeHeight	PlumeWidth	LineVolumeType
				[m]	[m]	[m]	[m/s]	[K]		[m]	[m]	[m]	[m]	[deg]	[m^3]			[m]	[m]	
VOLUME	VOL1	B1N_Idling1		6.68	4.12					6.97674	9.92	30				6.386E-07				
VOLUME	VOL2	B1N_Idling2		6.48	4.12					6.97674	9.92	30				8.514E-07				
VOLUME	VOL3	B1N_Idling3		6.29	4.12					6.97674	9.92	30				8.514E-07				
VOLUME	VOL4	B1N_Idling4		6.1	4.12					6.97674	9.92	30				8.514E-07				
VOLUME	VOL5	B1N_Idling5		5.91	4.12					6.97674	9.92	30				8.514E-07				
VOLUME	VOL6	B1N_Idling6		5.72	4.12					6.97674	9.92	30				8.514E-07				
VOLUME	VOL7	B1N_Idling7		5.53	4.12					6.97674	9.92	30				8.514E-07				
VOLUME	VOL8	B1N_Idling8		5.35	4.12					6.97674	9.92	30				8.514E-07				
VOLUME	VOL9	B1N_Idling9		5.18	4.12					6.97674	9.92	30				8.514E-07				
VOLUME	VOL10	B1N_Idling10		5.03	4.12					6.97674	9.92	30				0.000000745				
VOLUME	VOL11	B1S_Idling11		6.2	4.12					12.7907	9.92	55				0.000001277				
VOLUME	VOL12	B1S_Idling2		5.84	4.12					6.97674	9.92	30				8.514E-07				
VOLUME	VOL13	B1S_Idling3		5.61	4.12					6.97674	9.92	30				8.514E-07				
VOLUME	VOL14	B1S_Idling4		5.37	4.12					6.97674	9.92	30				8.514E-07				
VOLUME	VOL15	B1S_Idling5		5.14	4.12					6.97674	9.92	30				8.514E-07				
VOLUME	VOL16	B1S_Idling6		4.92	4.12					6.97674	9.92	30				8.514E-07				
VOLUME	VOL17	B1S_Idling7		4.74	4.12					6.97674	9.92	30				8.514E-07				
VOLUME	VOL18	B1S_Idling8		4.59	4.12					12.7907	9.92	55				0.000001384				
VOLUME	VOL19	B2N_Idling1		4.27	4.12					6.97674	14.18	30				0.000002093				
VOLUME	VOL20	B2N_Idling2		4.16	4.12					6.97674	14.18	30				0.00000279				
VOLUME	VOL21	B2N_Idling3		4.05	4.12					6.97674	14.18	30				0.00000279				
VOLUME	VOL22	B2N_Idling4		3.93	4.12					6.97674	14.18	30				0.00000279				
VOLUME	VOL23	B2N_Idling5		3.8	4.12					6.97674	14.18	30				0.00000279				
VOLUME	VOL24	B2N_Idling6		3.67	4.12					6.97674	14.18	30				0.00000279				
VOLUME	VOL25	B2N_Idling7		3.53	4.12					6.97674	14.18	30				0.00000279				
VOLUME	VOL26	B2N_Idling8		3.38	4.12					6.97674	14.18	30				0.00000279				
VOLUME	VOL27	B2N_Idling9		3.24	4.12					6.97674	14.18	30				0.00000279				
VOLUME	VOL28	B2N_Idling10		3.07	4.12					6.97674	14.18	30				0.00000279				
VOLUME	VOL29	B2N_Idling11		2.86	4.12					6.97674	14.18	30				0.000002442				
VOLUME	VOL30	B2S_Idling1		3.82	4.12					6.97674	14.18	30				0.000002442				
VOLUME	VOL31	B2S_Idling2		3.64	4.12					6.97674	14.18	30				0.00000279				
VOLUME	VOL32	B2S_Idling3		3.46	4.12					6.97674	14.18	30				0.00000279				
VOLUME	VOL33	B2S_Idling4		3.3	4.12					6.97674	14.18	30				0.00000279				
VOLUME	VOL34	B2S_Idling5		3.09	4.12					6.97674	14.18	30				0.00000279				
VOLUME	VOL35	B2S_Idling6		2.88	4.12					6.97674	14.18	30				0.00000279				
VOLUME	VOL36	B2S_Idling7		2.71	4.12					6.97674	14.18	30				0.00000279				
VOLUME	VOL37	B2S_Idling8		2.52	4.12					6.97674	14.18	30				0.00000279				
VOLUME	VOL38	B2S_Idling9		2.34	4.12					6.97674	14.18	30				0.00000279				
VOLUME	VOL39	B2S_Idling10		2.17	4.12					6.97674	14.18	30				0.00000279				
VOLUME	VOL40	B2S_Idling11		2.01	4.12					6.97674	14.18	30				0.000002093				
LINE_AF	ARLN18	B1_Inbound_StA											25			5.40658E-10				
LINE_AF	ARLN18																			
LINE_AF	ARLN18																			
LINE_AF	ARLN23	B1_S_Outbound_ClintonSt											10			6.57933E-10				
LINE_AF	ARLN23																			
LINE_AF	ARLN23																			
LINE_AF	ARLN24	B1_Outbound_StA											25			5.40868E-10				
LINE_AF	ARLN24																			
LINE_AF	ARLN24																			
LINE_AF	ARLN25	B2_Inbound_StA											25			1.9869E-09				
LINE_AF	ARLN25																			
LINE_AF	ARLN25																			
LINE_AF	ARLN28	B2_Inbound_ClintonSt											10			2.48368E-09				
LINE_AF	ARLN28																			
LINE_AF	ARLN28																			
LINE_AF	ARLN31	B2_Outbound_StA											25			1.98744E-09				
LINE_AF	ARLN31																			
LINE_AF	ARLN31																			
LINE_AF	ARLN32	B1_OpOff1_Site_WBramp											30			9.01315E-10				
LINE_AF	ARLN32																			
LINE_AF	ARLN32																			
LINE_AF	ARLN42	B2_OpOff1_Site_WBramp											30			3.31015E-09				
LINE_AF	ARLN42																			
LINE_AF	ARLN42																			
LINE_AF	ARLN33	B1_OpOff2_WB1											15			8.09404E-10				
LINE_AF	ARLN33																			
LINE_AF	ARLN33																			
LINE_AF	ARLN43	B2_OpOff2_WB1											15			2.97286E-09				
LINE_AF	ARLN43																			
LINE_AF	ARLN43																			
LINE_AF	ARLN34	B1_OpOff3_WB2											15			1.50615E-09				
LINE_AF	ARLN34																			
LINE_AF	ARLN34																			
LINE_AF	ARLN44	B2_OpOff3_WB2											15			5.59879E-09				
LINE_AF	ARLN44																			
LINE_AF	ARLN44																			
LINE_AF	ARLN35	B1_OpOff4_WBramp_EBramp											15			1.02486E-09				
LINE_AF	ARLN35																			
LINE_AF	ARLN35																			
LINE_AF	ARLN45	B2_OpOff4_WBramp_EBramp											15			3.79126E-09				
LINE_AF	ARLN45																			
LINE_AF	ARLN45																			
LINE_AF	ARLN36	B1_OpOff5_EB1											10			1.21685E-09				
LINE_AF	ARLN36																			
LINE_AF	ARLN36																			
LINE_AF	ARLN46	B2_OpOff5_EB1											10			4.46942E-09				
LINE_AF	ARLN46																			
LINE_AF	ARLN46																			
LINE_AF	ARLN37	B1_OpOff6_EB2											15			1.50605E-09				
LINE_AF	ARLN37																			
LINE_AF	ARLN37																			
LINE_AF	ARLN47	B2_OpOff6_EB2											15			5.5993E-09				
LINE_AF	ARLN47																			
LINE_AF	ARLN47																			
LINE_AF	ARLN38	B1_OpOff7_Ebramp_Oleander											15			1.86342E-10				
LINE_AF	ARLN38																			
LINE_AF	ARLN38																			
LINE_AF	ARLN48	B2_OpOff7_Ebramp_Oleander											15			6.89394E-10				

LineArea_Ratio1	Line_FPRIMEL	Line_L	Line_HB	Line_WB	Line_WM	Line_DX	Num_Coords	X1	Y1	X2	Y2	X3	Y3	X4	Y4	X5	Y5	X6
								[m]	[m]	[m]	[m]	[m]	[m]	[m]	[m]			
							1	569681.96	3733738.29									
							1	569719.24	3733738.59									
							1	569755.19	3733738.59									
							1	569792.41	3733739.66									
							1	569829.03	3733738.74									
							1	569866.84	3733737.97									
							1	569903.58	3733738.84									
							1	569939.62	3733737.52									
							1	569975.94	3733737.73									
							1	570012.80	3733739.02									
							1	569714.71	3733564.53									
							1	569762.02	3733556.56									
							1	569799.07	3733555.57									
							1	569836.46	3733555.24									
							1	569874.84	3733556.56									
							1	569911.89	3733555.57									
							1	569948.62	3733555.57									
							1	569998.49	3733564.99									
							1	570235.45	3733738.22									
							1	570271.62	3733736.73									
							1	570308.60	3733739.06									
							1	570343.64	3733739.06									
							1	570382.57	3733737.90									
							1	570418.78	3733737.51									
							1	570456.54	3733739.06									
							1	570493.13	3733737.12									
							1	570531.29	3733737.12									
							1	570566.71	3733738.29									
							1	570604.47	3733739.06									
							1	570240.28	3733553.58									
							1	570277.05	3733554.18									
							1	570310.76	3733555.52									
							1	570346.95	3733558.27									
							1	570384.96	3733557.81									
							1	570423.90	3733555.98									
							1	570459.62	3733557.35									
							1	570497.18	3733556.89									
							1	570533.82	3733557.35									
							1	570570.13	3733557.35									
							1	570605.86	3733557.81									
10							2	570947.01	3733808.95	569547.24	3733809.14							
							Rel_Height_m	4.12	4.12									
							Base_Elev_m	2.13	7.10									
10							2	570127.60	3733529.84	570127.66	3733766.94							
							Rel_Height_m	4.12	4.12									
							Base_Elev_m	4.17	4.65									
10							2	570124.21	3733812.65	570932.54	3733810.69							
							Rel_Height_m	4.12	4.12									
							Base_Elev_m	4.77	2.21									
10							2	570127.07	3733812.65	570932.54	3733810.69							
							Rel_Height_m	4.12	4.12									
							Base_Elev_m	4.77	2.21									
10							2	570124.89	3733762.94	570127.67	3733531.49							
							Rel_Height_m	4.12	4.12									
							Base_Elev_m	4.65	4.18									
10							2	570721.79	3733810.65	570931.31	3733810.65							
							Rel_Height_m	4.12	4.12									
							Base_Elev_m	2.83	2.21									
10							2	570954.47	3733823.65	570966.02	3733636.50							
							Rel_Height_m	4.12	4.12									
							Base_Elev_m	2.19	1.18									
10							2	570954.47	3733823.65	570966.02	3733636.50							
							Rel_Height_m	4.12	4.12									
							Base_Elev_m	2.19	1.18									
10							4	570851.27	3733589.52	570903.09	3733621.05	570965.25	3733644.97	571072.42	3733618.28			
							Rel_Height_m	4.12	4.12	4.12	4.12							
							Base_Elev_m	0.91	1.11	1.24	1.10							
10							4	570851.27	3733589.52	570903.09	3733621.05	570965.25	3733644.97	571072.42	3733618.28			
							Rel_Height_m	4.12	4.12	4.12	4.12							
							Base_Elev_m	0.91	1.11	1.24	1.10							
10							9	570850.73	3733590.99	570712.82	3733512.18	570424.53	3733441.02	570213.43	3733409.25	569996.71	3733408.85	569778.78
							Rel_Height_m	4.12	4.12	4.12	4.12	0.00	0.00	0.00	0.00	0.00		
							Base_Elev_m	0.99	1.23	2.05	3.66	3.80	5.35	6.20	7.29	8.09		
10							9	570850.73	3733590.99	570712.82	3733512.18	570424.53	3733441.02	570213.43	3733409.25	569996.71	3733408.85	569778.78
							Rel_Height_m	4.12	4.12	4.12	4.12	0.00	0.00	0.00	0.00	0.00		
							Base_Elev_m	0.99	1.23	2.05	3.66	3.80	5.35	6.20	7.29	8.09		
10							2	570966.18	3733637.16	570976.75	3733440.15							
							Rel_Height_m	4.12	4.12									
							Base_Elev_m	1.18	-0.63									
10							2	570966.18	3733637.16	570976.75	3733440.15							
							Rel_Height_m	4.12	4.12									
							Base_Elev_m	1.18	-0.63									
10							3	570834.44	3733439.81	570976.75	3733431.24	571119.23	3733460.18					
							Rel_Height_m	4.12	4.12	4.12								
							Base_Elev_m	-0.27	-0.75	0.20								
10							3	570834.44	3733439.81	570976.75	3733431.24	571119.23	3733460.18					
							Rel_Height_m	4.12	4.12	4.12								
							Base_Elev_m	-0.27	-0.75	0.20								
10							11	570833.14	3733442.10	570740.17	3733450.61	570664.87	3733448.65	570532.61	3733434.90	570272.02	3733383.83	570063.80
							Rel_Height_m	4.12	4.12	4.12	4.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
							Base_Elev_m	-0.18	0.82	1.27	1.59	2.91	3.24	4.16	5.48	6.34	7.24	8.22
10							11	570833.14	3733442.10	570740.17	3733450.61	570664.87	3733448.65	570532.61	3733434.90	570272.02	3733383.83	570063.80
							Rel_Height_m	4.12	4.12	4.12	4.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
							Base_Elev_m	-0.18	0.82	1.27	1.59	2.91	3.24	4.16	5.48	6.34	7.24	8.22
10							2	570976.98	3733428.61	570982.87	3732961.77							
							Rel_Height_m	4.12	4.12									
							Base_Elev_m	-0.90	0.74									
10							2	570976.98	3733428.61	570982.87	3732961.77							



Y6	X7	Y7	X8	Y8	X9	Y9	X10	Y10	X11	Y11	X12	Y12	X13	Y13	X14	Y14	X15	Y15	X16	Y16

3733433.38	569627.20	3733464.74	569380.72	3733547.97	569270.55	3733597.02					
3733433.38	569627.20	3733464.74	569380.72	3733547.97	569270.55	3733597.02					
3733376.62	569919.76	3733382.52	569747.56	3733404.78	569577.98	3733446.03	569403.16	3733501.03	569251.25	3733573.05	
3733376.62	569919.76	3733382.52	569747.56	3733404.78	569577.98	3733446.03	569403.16	3733501.03	569251.25	3733573.05	

Type	ID	Desc	SourceID	Base_Elev	Height	Diam	Exit_Vel	Exit_Temp	Release_T	SigmaY	SigmaZ	Length_X	Length_Y	Rotation_A	Pit_Volume	Emission_R	Configurati	LineVolum	PlumeWidt	LineVolum	LineArea_R	Line_FPRt	Line_L
				[m]	[m]	[m]	[m/s]	[K]		[m]	[m]	[m]	[m]	[deg]	[m^3]			[m]	[m]				
LINE_ARE	ARLN48																						
LINE_ARE	ARLN48																						
AREA_POI	PAREA19	YardHostlerB1		6.87	4.12											1.04E-09							
AREA_POI	PAREA20	YardHostlerB2		4.73	4.12											1.36E-09							
VOLUME	VOL41	B1_Inbound1		7.06	4.12					6.976744	9.92	30				7.88E-07							
VOLUME	VOL42	B1_Ndocks1		7.08	4.12					6.976744	9.92	30				4.04E-07							
VOLUME	VOL43	B1_Inbound2		7.07	4.12					6.976744	9.92	30				4.04E-07							
VOLUME	VOL44	B1_Inbound3		6.9	4.12					6.976744	9.92	30				4.04E-07							
VOLUME	VOL45	B1_Inbound4		6.71	4.12					6.976744	9.92	30				4.04E-07							
VOLUME	VOL46	B1_Inbound5		6.56	4.12					6.976744	9.92	30				4.04E-07							
VOLUME	VOL47	B1_Inbound6		6.4	4.12					6.976744	9.92	30				4.04E-07							
VOLUME	VOL48	B1_Inbound7		6.26	4.12					6.976744	9.92	30				4.04E-07							
VOLUME	VOL49	B1_Inbound8		6.11	4.12					6.976744	9.92	30				4.04E-07							
VOLUME	VOL50	B1_Inbound9		5.97	4.12					6.976744	9.92	30				4.04E-07							
VOLUME	VOL51	B1_Inbound10		5.82	4.12					6.976744	9.92	30				4.04E-07							
VOLUME	VOL52	B1_Inbound11		5.68	4.12					6.976744	9.92	30				4.04E-07							
VOLUME	VOL53	B1_Inbound12		5.54	4.12					6.976744	9.92	30				4.04E-07							
VOLUME	VOL54	B1_Inbound13		5.4	4.12					6.976744	9.92	30				4.04E-07							
VOLUME	VOL55	B1_Inbound14		5.28	4.12					6.976744	9.92	30				4.04E-07							
VOLUME	VOL56	B1_Inbound15		5.15	4.12					6.976744	9.92	30				4.04E-07							
VOLUME	VOL57	B1_Inbound16		5.04	4.12					6.976744	9.92	30				4.04E-07							
VOLUME	VOL58	B1_Inbound17		4.93	4.12					6.976744	9.92	30				4.04E-07							
VOLUME	VOL59	B1_Inbound18		4.81	4.12					6.976744	9.92	30				4.04E-07							
VOLUME	VOL60	B1_Inbound19		4.72	4.12					6.976744	9.92	30				4.04E-07							
VOLUME	VOL61	B1_Inbound2_W		7.04	4.12					6.976744	9.92	30				3.83E-07							
VOLUME	VOL62	B1_Inbound3_W		6.99	4.12					6.976744	9.92	30				3.83E-07							
VOLUME	VOL63	B1_Inbound4_W		7	4.12					6.976744	9.92	30				3.83E-07							
VOLUME	VOL64	B1_Inbound5_W		6.96	4.12					6.976744	9.92	30				3.83E-07							
VOLUME	VOL65	B1_Inbound6_W		6.89	4.12					6.976744	9.92	30				3.83E-07							
VOLUME	VOL66	B1_Inbound7_W		6.84	4.12					6.976744	9.92	30				3.83E-07							
VOLUME	VOL67	B1_Inbound8_W		6.8	4.12					6.976744	9.92	30				3.83E-07							
VOLUME	VOL68	B1_Inbound9_W		6.8	4.12					6.976744	9.92	30				3.83E-07							
VOLUME	VOL69	B1_Inbound10_W		6.64	4.12					6.976744	9.92	30				3.83E-07							
VOLUME	VOL70	B1_Inbound11_W		6.4	4.12					6.976744	9.92	30				3.83E-07							
VOLUME	VOL71	B1_Sdocks1		6.25	4.12					6.976744	9.92	30				3.83E-07							
VOLUME	VOL72	B1_Sdocks2		6.03	4.12					6.976744	9.92	30				3.83E-07							
VOLUME	VOL73	B1_Sdocks3		5.82	4.12					6.976744	9.92	30				3.83E-07							
VOLUME	VOL74	B1_Sdocks4		5.62	4.12					6.976744	9.92	30				3.83E-07							
VOLUME	VOL75	B1_Sdocks5		5.44	4.12					6.976744	9.92	30				3.83E-07							
VOLUME	VOL76	B1_Sdocks6		5.24	4.12					6.976744	9.92	30				3.83E-07							
VOLUME	VOL77	B1_Sdocks7		5.05	4.12					6.976744	9.92	30				3.83E-07							
VOLUME	VOL78	B1_Sdocks8		4.88	4.12					6.976744	9.92	30				3.83E-07							
VOLUME	VOL79	B1_Sdocks9		4.72	4.12					6.976744	9.92	30				3.83E-07							
VOLUME	VOL80	B1_Sdocks10		4.6	4.12					6.976744	9.92	30				3.83E-07							
VOLUME	VOL81	B1_Sdocks11		4.49	4.12					6.976744	9.92	30				3.83E-07							
VOLUME	VOL82	B1_Sdocks12		4.41	4.12					6.976744	9.92	30				3.83E-07							
VOLUME	VOL83	B1_Sdocks13		4.32	4.12					6.976744	9.92	30				3.83E-07							
VOLUME	VOL84	B1_Sdocks14		4.25	4.12					6.976744	9.92	30				3.83E-07							
VOLUME	VOL85	B1_Sdocks15		4.2	4.12					6.976744	9.92	30				3.83E-07							
VOLUME	VOL86	B1_Outbound		4.69	4.12					6.976744	9.92	30				7.88E-07							
VOLUME	VOL87	B2_Inbound		4.69	4.12					6.976744	14.18	30				2.89E-06							
VOLUME	VOL88	B2_Ndocks1		4.56	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL89	B2_Ndocks2		4.48	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL90	B2_Ndocks3		4.4	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL91	B2_Ndocks4		4.32	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL92	B2_Ndocks5		4.25	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL93	B2_Ndocks6		4.17	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL94	B2_Ndocks7		4.07	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL95	B2_Ndocks8		3.98	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL96	B2_Ndocks9		3.9	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL97	B2_Ndocks10		3.81	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL98	B2_Ndocks11		3.74	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL99	B2_Ndocks12		3.63	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL100	B2_Ndocks13		3.51	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL101	B2_Ndocks14		3.39	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL102	B2_Ndocks15		3.25	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL103	B2_Ndocks16		3.09	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL104	B2_Ndocks17		2.95	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL105	B2_Ndocks18		2.83	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL106	B2_Ndocks19		2.74	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL107	B2_Ndocks20		2.67	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL108	B2_Outbound1		2.59	4.12					6.976744	14.18	30				2.89E-06							
VOLUME	VOL109	B2_Outbound2		2.72	4.12					6.976744	14.18	30				2.89E-06							
VOLUME	VOL110	B2_Sdocks1		4.12	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL111	B2_Sdocks2		4	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL112	B2_Sdocks3		3.89	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL113	B2_Sdocks4		3.78	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL114	B2_Sdocks5		3.59	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL115	B2_Sdocks6		3.4	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL116	B2_Sdocks7		3.26	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL117	B2_Sdocks8		3.12	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL118	B2_Sdocks9		2.98	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL119	B2_Sdocks10		2.83	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL120	B2_Sdocks11		2.69	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL121	B2_Sdocks12		2.54	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL122	B2_Sdocks13		2.4	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL123	B2_Sdocks14		2.26	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL124	B2_Sdocks15		2.14	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL125	B2_Sdocks16		2	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL126	B2_Sdocks17		1.88	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL127	B2_Sdocks18		1.8	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL128	B2_S_Outbound1		1.72	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL129	B2_S_Outbound2		1.62	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL130	B2_S_Outbound3		1.51	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL131	B2_S_Outbound4		1.44	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL132	B2_S_Outbound5		1.62	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL133	B2_S_Outbound6		1.8	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL134	B2_S_Outbound7		1.96	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL135	B2_S_Outbound8		2.13	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL136	B2_S_Outbound9		2.29	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL137	B2_S_Outbound10		2.41	4.12					6.976744	14.18	30				1.44E-06							
VOLUME	VOL138	PA2_Idling1		2.93	4.12					21.39535	14.18	92				3.58E-06							
VOLUME	VOL139	PA2_Idling2		2.58	4.12					21.39535	14.18	92				3.58E-06							
LINE_ARE	ARLN49	PA2_StA										25				1.18E-09					10		
LINE_ARE	ARLN49																						
LINE_ARE	ARLN49																						
LINE_ARE	ARLN51	PA3_StA										25				1.85E-09					10		
LINE_ARE	ARLN51																						
LINE_ARE	ARLN51																						
VOLUME	VOL140	PA3_Idling1		2.28	4.12					23.25581	14.18	100				5.63E-06							
VOLUME	VOL141	PA3_Idling2		2.02	4.12					23.25581	14.18	100				5.63E-06							
LINE_ARE	ARLN50	ComOpOff_Ave42										25				1.91E-09					10		
LINE_ARE	ARLN50																						
LINE_ARE	ARLN50																						
LINE_ARE	ARLN52	ComOpOff_NMonroe									1	25				6.23E-09					10		
LINE_ARE	ARLN52																						
LINE_ARE	ARLN52																						
LINE_ARE	ARLN53	ComOpOff_SMonroe										25				9.84E-10					10		
LINE_ARE	ARLN53																						
LINE_ARE	ARLN53																						
LINE_ARE	ARLN54	ComOpOff_I10Ramp1										15				2.52E-10					10		
LINE_ARE	ARLN54																						
LINE_ARE	ARLN54																						
LINE_ARE	ARLN55	ComOpOff_I10Ramp2										15				1.26E-10					10		
LINE_ARE	ARLN55																						
LINE_ARE	ARLN55																						
LINE_ARE	ARLN56	ComOpOff_I10Ramp3										15				1E-10					10		
LINE_ARE	ARLN56																						
LINE_ARE	ARLN56																						
LINE_ARE	ARLN57	ComOpOff_SMonroe2										15				8.84E-10					10		
LINE_ARE	ARLN57																						
LINE_ARE	ARLN57																						

Line_HB	Line_WB	Line_WM	Line_DX	Num_Coor	X1	Y1	X2	Y2	X3	Y3	X4	Y4	X5	Y5	X6	Y6	X7	Y7	X8	Y8	X9	Y9	X10
					[m]	[m]	[m]	[m]	[m]	[m]	[m]	[m]											
			Rel_Height_m		4.12	4.12																	
			Base_Elev_m		-0.90	0.74																	
				16	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########
				16	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########
				1	########	########																

Y10	X11	Y11	X12	Y12	X13	Y13	X14	Y14	X15	Y15	X16	Y16

######## ######## ######## ######## ######## ######## ######## ######## ######## ######## ######## ######## ########
######## ######## ######## ######## ######## ######## ######## ######## ######## ######## ######## ######## ########

Type	ID	Desc	SourceID_Prefix	Base_Elev	Height	Diam	Exit_Vel	Exit_Temp	Release_Type	SigmaY	SigmaZ	Length_X	Length_Y	Rotation_Angle	Pit_Volume	Emission_Rate	Configuration	LineVolumeHeight	PlumeWidth
				[m]	[m]	[m]	[m/s]	[K]		[m]	[m]	[m]	[m]	[deg]	[m^3]			[m]	[m]
LINE_AREA	ARLN48																		
LINE_AREA	ARLN48																		
AREA_POLY	PAREA19	YardHostlerB1		6.87	4.12											1.04103E-09			
AREA_POLY	PAREA20	YardHostlerB2		4.73	4.12											1.35832E-09			
VOLUME	VOL41	B1_Inbound1		7.06	4.12					6.976744186	9.92	30				7.877E-07			
VOLUME	VOL42	B1_Ndocks1		7.08	4.12					6.976744186	9.92	30				4.044E-07			
VOLUME	VOL43	B1_Inbound2		7.07	4.12					6.976744186	9.92	30				4.044E-07			
VOLUME	VOL44	B1_Inbound3		6.9	4.12					6.976744186	9.92	30				4.044E-07			
VOLUME	VOL45	B1_Inbound4		6.71	4.12					6.976744186	9.92	30				4.044E-07			
VOLUME	VOL46	B1_Inbound5		6.56	4.12					6.976744186	9.92	30				4.044E-07			
VOLUME	VOL47	B1_Inbound6		6.4	4.12					6.976744186	9.92	30				4.044E-07			
VOLUME	VOL48	B1_Inbound7		6.26	4.12					6.976744186	9.92	30				4.044E-07			
VOLUME	VOL49	B1_Inbound8		6.11	4.12					6.976744186	9.92	30				4.044E-07			
VOLUME	VOL50	B1_Inbound9		5.97	4.12					6.976744186	9.92	30				4.044E-07			
VOLUME	VOL51	B1_Inbound10		5.82	4.12					6.976744186	9.92	30				4.044E-07			
VOLUME	VOL52	B1_Inbound11		5.68	4.12					6.976744186	9.92	30				4.044E-07			
VOLUME	VOL53	B1_Inbound12		5.54	4.12					6.976744186	9.92	30				4.044E-07			
VOLUME	VOL54	B1_Inbound13		5.4	4.12					6.976744186	9.92	30				4.044E-07			
VOLUME	VOL55	B1_Inbound14		5.28	4.12					6.976744186	9.92	30				4.044E-07			
VOLUME	VOL56	B1_Inbound15		5.15	4.12					6.976744186	9.92	30				4.044E-07			
VOLUME	VOL57	B1_Inbound16		5.04	4.12					6.976744186	9.92	30				4.044E-07			
VOLUME	VOL58	B1_Inbound17		4.93	4.12					6.976744186	9.92	30				4.044E-07			
VOLUME	VOL59	B1_Inbound18		4.81	4.12					6.976744186	9.92	30				4.044E-07			
VOLUME	VOL60	B1_Inbound19		4.72	4.12					6.976744186	9.92	30				4.044E-07			
VOLUME	VOL61	B1_Inbound2_W		7.04	4.12					6.976744186	9.92	30				3.834E-07			
VOLUME	VOL62	B1_Inbound3_W		6.99	4.12					6.976744186	9.92	30				3.834E-07			
VOLUME	VOL63	B1_Inbound4_W		7	4.12					6.976744186	9.92	30				3.834E-07			
VOLUME	VOL64	B1_Inbound5_W		6.96	4.12					6.976744186	9.92	30				3.834E-07			
VOLUME	VOL65	B1_Inbound6_W		6.89	4.12					6.976744186	9.92	30				3.834E-07			
VOLUME	VOL66	B1_Inbound7_W		6.84	4.12					6.976744186	9.92	30				3.834E-07			
VOLUME	VOL67	B1_Inbound8_W		6.8	4.12					6.976744186	9.92	30				3.834E-07			
VOLUME	VOL68	B1_Inbound9_W		6.8	4.12					6.976744186	9.92	30				3.834E-07			
VOLUME	VOL69	B1_Inbound10_W		6.64	4.12					6.976744186	9.92	30				3.834E-07			
VOLUME	VOL70	B1_Inbound11_W		6.4	4.12					6.976744186	9.92	30				3.834E-07			
VOLUME	VOL71	B1_Sdocks1		6.25	4.12					6.976744186	9.92	30				3.834E-07			
VOLUME	VOL72	B1_Sdocks2		6.03	4.12					6.976744186	9.92	30				3.834E-07			
VOLUME	VOL73	B1_Sdocks3		5.82	4.12					6.976744186	9.92	30				3.834E-07			
VOLUME	VOL74	B1_Sdocks4		5.62	4.12					6.976744186	9.92	30				3.834E-07			
VOLUME	VOL75	B1_Sdocks5		5.44	4.12					6.976744186	9.92	30				3.834E-07			
VOLUME	VOL76	B1_Sdocks6		5.24	4.12					6.976744186	9.92	30				3.834E-07			
VOLUME	VOL77	B1_Sdocks7		5.05	4.12					6.976744186	9.92	30				3.834E-07			
VOLUME	VOL78	B1_Sdocks8		4.88	4.12					6.976744186	9.92	30				3.834E-07			
VOLUME	VOL79	B1_Sdocks9		4.72	4.12					6.976744186	9.92	30				3.834E-07			
VOLUME	VOL80	B1_Sdocks10		4.6	4.12					6.976744186	9.92	30				3.834E-07			
VOLUME	VOL81	B1_Sdocks11		4.49	4.12					6.976744186	9.92	30				3.834E-07			
VOLUME	VOL82	B1_Sdocks12		4.41	4.12					6.976744186	9.92	30				3.834E-07			
VOLUME	VOL83	B1_Sdocks13		4.32	4.12					6.976744186	9.92	30				3.834E-07			
VOLUME	VOL84	B1_Sdocks14		4.25	4.12					6.976744186	9.92	30				3.834E-07			
VOLUME	VOL85	B1_Sdocks15		4.2	4.12					6.976744186	9.92	30				3.834E-07			
VOLUME	VOL86	B1_Outbound		4.69	4.12					6.976744186	9.92	30				7.877E-07			
VOLUME	VOL87	B2_Inbound		4.69	4.12					6.976744186	14.18	30				0.000002886			
VOLUME	VOL88	B2_Ndocks1		4.56	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL89	B2_Ndocks2		4.48	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL90	B2_Ndocks3		4.4	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL91	B2_Ndocks4		4.32	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL92	B2_Ndocks5		4.25	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL93	B2_Ndocks6		4.17	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL94	B2_Ndocks7		4.07	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL95	B2_Ndocks8		3.98	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL96	B2_Ndocks9		3.9	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL97	B2_Ndocks10		3.81	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL98	B2_Ndocks11		3.74	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL99	B2_Ndocks12		3.63	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL100	B2_Ndocks13		3.51	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL101	B2_Ndocks14		3.39	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL102	B2_Ndocks15		3.25	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL103	B2_Ndocks16		3.09	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL104	B2_Ndocks17		2.95	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL105	B2_Ndocks18		2.83	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL106	B2_Ndocks19		2.74	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL107	B2_Ndocks20		2.67	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL108	B2_Outbound1		2.59	4.12					6.976744186	14.18	30				0.000002886			
VOLUME	VOL109	B2_Outbound2		2.72	4.12					6.976744186	14.18	30				0.000002886			
VOLUME	VOL110	B2_Sdocks1		4.12	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL111	B2_Sdocks2		4	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL112	B2_Sdocks3		3.89	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL113	B2_Sdocks4		3.78	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL114	B2_Sdocks5		3.59	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL115	B2_Sdocks6		3.4	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL116	B2_Sdocks7		3.26	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL117	B2_Sdocks8		3.12	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL118	B2_Sdocks9		2.98	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL119	B2_Sdocks10		2.83	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL120	B2_Sdocks11		2.69	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL121	B2_Sdocks12		2.54	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL122	B2_Sdocks13		2.4	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL123	B2_Sdocks14		2.26	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL124	B2_Sdocks15		2.14	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL125	B2_Sdocks16		2	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL126	B2_Sdocks17		1.88	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL127	B2_Sdocks18		1.8	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL128	B2_S_Outbound1		1.72	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL129	B2_S_Outbound2		1.62	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL130	B2_S_Outbound3		1.51	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL131	B2_S_Outbound4		1.44	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL132	B2_S_Outbound5		1.62	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL133	B2_S_Outbound6		1.8	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL134	B2_S_Outbound7		1.96	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL135	B2_S_Outbound8		2.13	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL136	B2_S_Outbound9		2.29	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL137	B2_S_Outbound10		2.41	4.12					6.976744186	14.18	30				0.000001443			
VOLUME	VOL138	PA2_Idling1		2.93	4.12					21.39534884	14.18	92				0.000003578			
VOLUME	VOL139	PA2_Idling2		2.58	4.12					21.39534884	14.18	92				0.000003578			
LINE_AREA	ARLN49	PA2_StA										25				1.17536E-09			
LINE_AREA	ARLN49																		
LINE_AREA	ARLN49																		
LINE_AREA	ARLN51	PA3_StA										25				1.85085E-09			
LINE_AREA	ARLN51																		
LINE_AREA	ARLN51																		
VOLUME	VOL140	PA3_Idling1		2.28	4.12					23.25581395	14.18	100				0.000005633			
VOLUME	VOL141	PA3_Idling2		2.02	4.12					23.25581395	14.18	100				0.000005633			
LINE_AREA	ARLN50	ComOpOff_Ave42										25				1.91336E-09			
LINE_AREA	ARLN50																		
LINE_AREA	ARLN50																		
LINE_AREA	ARLN52	ComOpOff_NMonroe									1	25				6.23116E-09			
LINE_AREA	ARLN52																		
LINE_AREA	ARLN52																		
LINE_AREA	ARLN53	ComOpOff_SMonroe										25				9.83738E-10			
LINE_AREA	ARLN53																		
LINE_AREA	ARLN53																		
LINE_AREA	ARLN54	ComOpOff_I10Ramp1										15				2.52217E-10			
LINE_AREA	ARLN54																		
LINE_AREA	ARLN54																		
LINE_AREA	ARLN55	ComOpOff_I10Ramp2										15				1.2612E-10			
LINE_AREA	ARLN55																		
LINE_AREA	ARLN55																		
LINE_AREA	ARLN56	ComOpOff_I10Ramp3										15				1.00237E-10			
LINE_AREA	ARLN56																		
LINE_AREA	ARLN56																		
LINE_AREA	ARLN57	ComOpOff_SMonroe2										15				8.84468E-10			
LINE_AREA	ARLN57																		
LINE_AREA	ARLN57																		

LineVolumeType	LineArea_Ratio1	Line_FPRIMEL	Line_L	Line_HB	Line_WB	Line_WM	Line_DX	Num_Coords	X1	Y1	X2	Y2	X3	Y3	X4	Y4	X5	Y5	X6
									[m]	[m]	[m]	[m]	[m]	[m]	[m]	[m]			
								Rel_Height_m	4.12	4.12									
								Base_Elev_m	-0.90	0.74									
								16	569458.44	3733805.62	569507.55	3733659.60	569637.20	3733490.00	569808.77	3733458.57	570051.05	3733441.54	570051.70
								16	570128.32	3733799.73	570127.66	3733503.10	570198.38	3733503.10	570201.66	3733440.23	570402.03	3733465.77	570744.59
								1	569550.94	3733774.26									
								1	569582.17	3733768.59									
								1	569613.40	3733766.69									
								1	569643.82	3733767.24									
								1	569675.10	3733767.17									
								1	569704.51	3733767.17									
								1	569734.93	3733766.49									
								1	569764.67	3733765.80									
								1	569795.10	3733765.80									
								1	569825.87	3733766.83									
								1	569854.93	3733766.83									
								1	569883.64	3733765.80									
								1	569912.02	3733765.46									
								1	569941.76	3733764.78									
								1	569969.11	3733764.09									
								1	569997.83	3733764.78									
								1	570024.84	3733766.83									
								1	570053.21	3733765.80									
								1	570082.27	3733764.78									
								1	570107.57	3733763.75									
								1	569550.00	3733745.29									
								1	569552.37	3733715.47									
								1	569583.60	3733714.53									
								1	569592.60	3733685.19									
								1	569592.12	3733655.37									
								1	569593.54	3733624.61									
								1	569594.96	3733594.33									
								1	569611.52	3733572.08									
								1	569635.66	3733549.84									
								1	569663.58	3733527.60									
								1	569691.74	3733524.05									
								1	569722.26	3733521.92									
								1	569749.71	3733523.34									
								1	569780.94	3733529.02									
								1	569809.81	3733529.97									
								1	569839.62	3733529.49									
								1	569869.44	3733530.91									
								1	569899.25	3733531.86									
								1	569929.54	3733532.80									
								1	569958.88	3733533.75									
								1	569986.33	3733533.75									
								1	570014.25	3733534.22									
								1	570044.53	3733529.97									
								1	570076.24	3733528.07									
								1	570108.42	3733527.60									
								1	570129.26	3733782.12									
								1	570128.84	3733782.57									
								1	570155.35	3733765.53									
								1	570181.38	3733768.37									
								1	570210.25	3733768.84									
								1	570239.12	3733768.37									
								1	570266.57	3733768.37									
								1	570294.03	3733768.84									
								1	570321.48	3733767.90									
								1	570351.77	3733768.37									
								1	570378.75	3733768.84									
								1	570408.56	3733767.42									
								1	570436.02	3733766.48									
								1	570464.41	3733766.95									
								1	570493.29	3733765.53									
								1	570521.21	3733764.59									
								1	570548.66	3733764.11									
								1	570577.53	3733764.11									
								1	570605.46	3733766.48									
								1	570634.33	3733765.06									
								1	570662.73	3733765.06									
								1	570691.60	3733766.48									
								1	570721.89	3733766.00									
								1	570725.20	3733791.56									
								1	570147.99	3733525.60									
								1	570180.52	3733525.31									
								1	570208.70	3733527.27									
								1	570238.84	3733525.96									
								1	570269.63	3733527.27									
								1	570299.77	3733525.96									
								1	570327.29	3733526.62									
								1	570356.78	3733529.24									
								1	570383.64	3733528.58									
								1	570410.50	3733529.24									
								1	570437.3675	3733531.205									
								1	570466.1968	3733531.86									
								1	570493.7158	3733533.826									
								1	570519.9243	3733532.515									
								1	570546.7881	3733531.205									
								1	570575.5229	3733530.189									
								1	570603.9114	3733530.189									
								1	570631.6159	3733539.766									
								1	570656.5841	3733545.922									
								1	570684.2885	3733554.473									
								1	570708.2307	3733561.998									
								1	570731.8307	3733573.627									
								1	570731.4887	3733603.383									
								1	570730.8047	3733632.873									
								1	570730.7286	3733661.378									
								1	570730.55	3733691.016									
								1	570730.1929	3733719.941									
								1	570732.6926	3733742.973									
								1	570884.9793	3733964.922									
								1	570885.0777	3733873.291									
	10							2	570842.1616	3733813.26	570927.9689	3733811.32							
								Rel_Height_m	0	0									
								Base_Elev_m	2.44	2.22									
	10							2	570747.84	3733810.022	570927.9689	3733811.32							
								Rel_Height_m	0	0									
								Base_Elev_m	2.75	2.22									
								1	570790.7588	3733750.913									
								1	570886.9263	3733751.083									
	10							2	569229.2872	3734012.971	570942.012	3734028.74							
								Rel_Height_m	0	0									
								Base_Elev_m	10.5	2.85									
	10							2	570947.6066	3734028.062	570953.2748	3733824.01							
								Rel_Height_m	0	0									
								Base_Elev_m	2.83	2.19									
	10							2	570951.8424	3733825.558	570965.0283	3733650.85							
								Rel_Height_m	0	0									
								Base_Elev_m	2.2	1.28									
	10							3	570969.971	3733646.869	571070.2856	3733617.17	571125.77	3733592.51					
								Rel_Height_m	0	0	0								
								Base_Elev_m	1.25	1.09	1.05								
	10							4	570964.3669	3733646.869	570881.9856	3733609.88	570782.21	3733550.69	570711.3524	3733518.296			
								Rel_Height_m	0	0	0	0							
								Base_Elev_m	1.25	1.04	0.97	1.23							
	10							9	570709.6013	3733522.515	570568.1426	3733475.97	570379.23	3733434.9	570213.1268	3733411.173	569984.05	3733409.3	569778.5168
								Rel_Height_m	0	0	0	0	0	0	0	0	0		
								Base_Elev_m	1.29	1.7	2.34	3.68	3.85	5.35	6.2	7.29	8.08		
	10							3	570962.962	3733643.166	570977.7472	3733316.16	570982.46	3732959.88					
								Rel_Height_m	0	0	0								
								Base_Elev_m	1.23	-1.81	0.74								

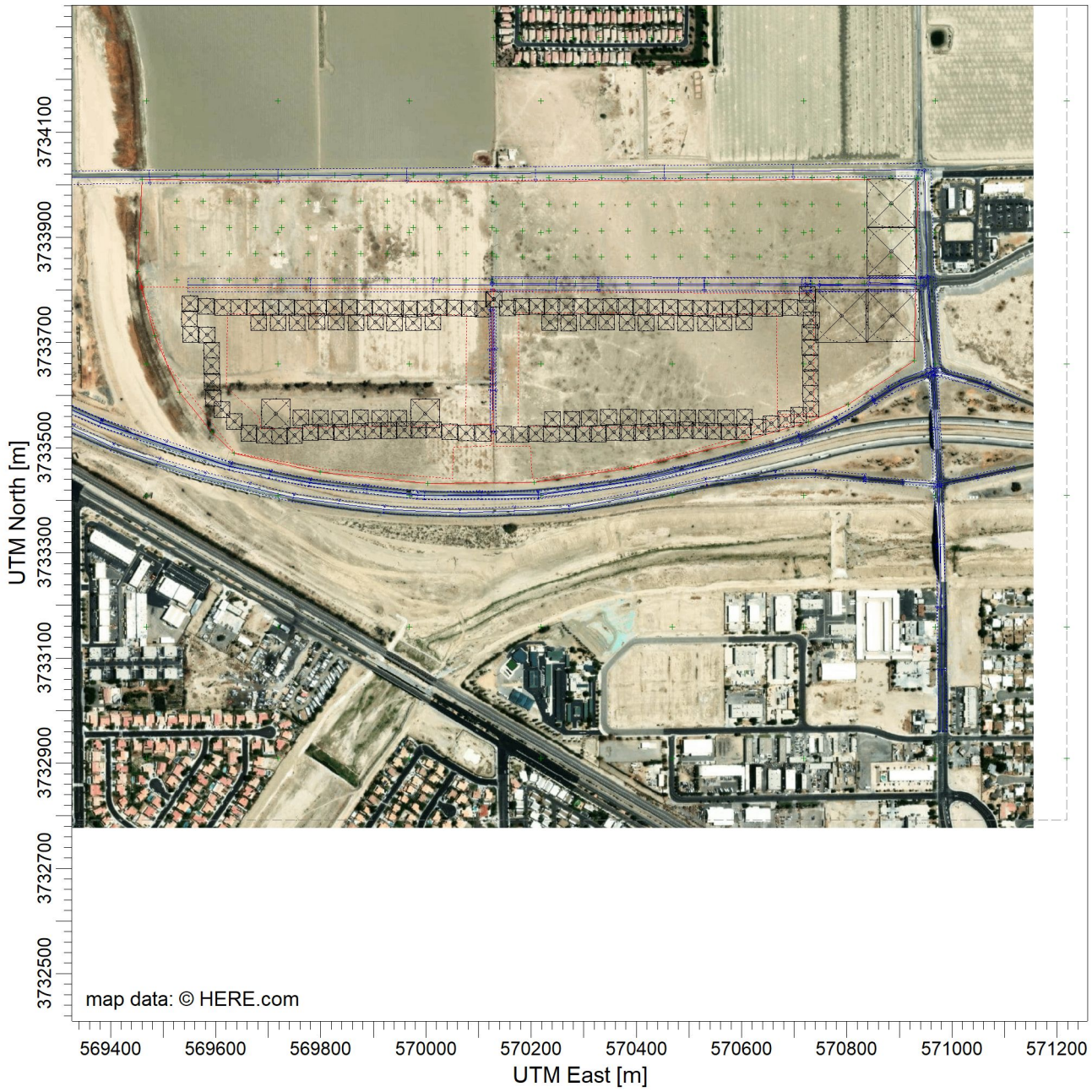
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3733500.48	570125.04	3733504.40	570124.39	3733543.69	569686.31	3733535.84	569682.39	3733558.10	569620.83	3733615.07	569622.80	3733753.89	570077.24	3733753.24	570075.28	3733545.00	570125.70	3733544.35	570122.42	3733801.04
3733561.86	570666.58	3733558.10	570619.43	3733538.46	570175.46	3733539.77	570176.12	3733755.86	570666.58	3733754.55	570667.89	3733563.34	570709.80	3733563.34	570736.39	3733566.04	570736.64	3733793.18	570129.63	3733797.11

3733433.9	569627.07	3733464.31	569380.51	3733547	569271.39	3733596.573

PROJECT TITLE:

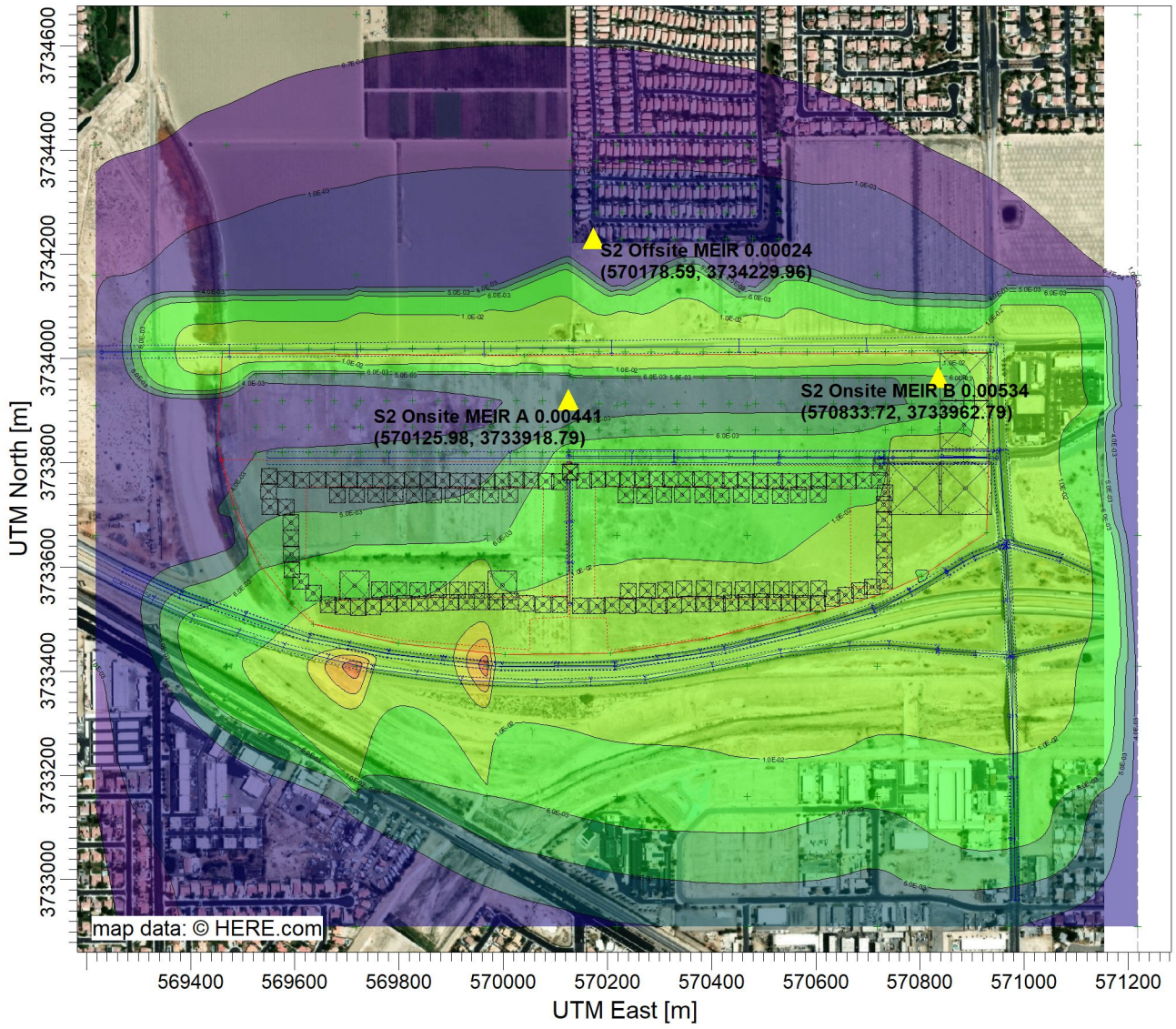
C:\Lakes\Indio_Oasis_S2_Operational\Indio_Oasis_S2_Operational.isc



COMMENTS: Scenario 2 Sources	SOURCES: **172**	COMPANY NAME: **MIG**	
	RECEPTORS: **283**	MODELER: **K. Kitowski**	
		SCALE: 1:12,151 0 0.4 km	
		DATE: **12/6/2023**	PROJECT NO.: **Oasis at Indio**

PROJECT TITLE:

C:\Lakes\Indio_Oasis_S2_Operational\Indio_Oasis_S2_Operational.isc



PLOT FILE OF PERIOD VALUES AVERAGED ACROSS 0 YEARS FOR SOURCE GROUP: OP_ALL ug/m^3

Max: 6.8E-02 [ug/m^3] at (569718.32, 3733409.80)

6.7E-04 1.0E-03 4.0E-03 5.0E-03 6.0E-03 1.0E-02 4.0E-02 5.0E-02 6.0E-02 6.8E-02

COMMENTS: Scenario 2 Operations	SOURCES: **172**	COMPANY NAME: **MIG**	
	RECEPTORS: **283**	MODELER: **K. Kitowski**	
	OUTPUT TYPE: **Concentration**	SCALE: 1:13,209 0 0.5 km	
	MAX: **6.8E-02 ug/m^3**	DATE: **12/6/2023**	PROJECT NO.: **Oasis at Indio**

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APPENDIX C: Health Risk Assessment Calculations

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Maximum Buildout Scenario - Unmitigated Off-Site DPM Health Risk Calculations

METHODOLOGY

Dose (Air) = Cair x DBR x A x EF x CF

Where:

- Cair: Chemical concentration in air (µg/m^3)
- DBR: Daily breathing rate (L/kg-day)
- A: Inhalation adsorption factor (unitless)
- EF: Exposure Frequency, days at home / days in year (unitless)
- CF: $10^{\wedge -6}$ Conversion Factor (m^3/L and mg/µg)

Cancer Risk (per million) = Dose (Air) x CPF x ASF x (ED/AT) x FAH x 1,000,000

Where:

- Dose: Dose of chemical in the air (µg/m3)
- CPF: Cancer Potency Factor $(mg/kg\text{-}day)^{-1}$
- ASF: Age Sensitivity Factor
- ED: Exposure Duration (years)
- AT: Averaging Time for lifetime cancer risks
- FAH: Fraction of daily time spent at home / school

Risk Parameter Values by Age Bin

Variable	Residential Age Bin				
	3rd Trimester	0-2 Years	2-16 Years	16-30 Years	30-70 Years
DBR	361	1090	572	261	233
A	1	1	1	1	1
EF	0.96	0.96	0.96	0.96	0.96
CF	1.00E-06	1.00E-06	1.00E-06	1.00E-06	1.00E-06
CPF	1.1	1.1	1.1	1.1	1.1
ASF	10	10	3	1	1
ED	0.25	2	14	14	54
AT	70	70	70	70	70
FAH	0.85	0.85	0.72	0.73	0.73

AERMOD Modeled DPM Concentrations (PMI/MEIR)

	MEIR			PMI		
	Conc.	X	Y	Conc.	X	Y
Year 1 (Const)	0.03909	570178.59	3734229.96	0.20336	570783.72	3733812.79
Year 2 (Const)	0.02019	570178.59	3734229.96			
Year 3 (Const)	0.01064	570178.59	3734229.96			
Year 4 (Const and Ops)	0.000578493	570128.59	3734229.96			
Year 5 - 30 (Ops)	0.00103	570128.59	3734229.96			

Risk Assessment at MEIR

Scenario	AERMOD DPM Conc.	Chronic Hazard Quotient
Year 1 (Con)	0.03909	0.008
Year 2 (Con)	0.02019	
Year 3 (Con)	0.01064	
Year 4 (Con and Ops)	0.000578493	0.000115699
Year 5-30 (Ops)	0.00103	0.000206

Year 1 Dose @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
3rd Trimester	0.03909	361	1	0.96	1.00E-06	=	1.35E-05
0-2 Years	0.03909	1090	1	0.96	1.00E-06	=	4.09E-05
2-16 Years	0.03909	572	1	0.96	1.00E-06	=	2.14E-05
16-30 Years	0.03909	261	1	0.96	1.00E-06	=	9.78E-06
30-70 Years	0.03909	233	1	0.96	1.00E-06	=	8.73E-06

Year 1 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
3rd Trimester	1.35E-05	1.1	10	0.25	70	0.85	1,000,000	0.5
0-2 Years	4.09E-05	1.1	10	1.00	70	0.85	1,000,000	5.5
2-16 Years	2.14E-05	1.1	3	1.00	70	0.72	1,000,000	0.7
16-30 Years	9.78E-06	1.1	1	1.00	70	0.73	1,000,000	0.1
30-70 Years	8.73E-06	1.1	1	1.00	70	0.73	1,000,000	0.1

Year 2 @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.02019	1090	1	0.96	1.00E-06	=	2.11E-05
2-16 Years	0.02019	572	1	0.96	1.00E-06	=	1.11E-05
16-30 Years	0.02019	261	1	0.96	1.00E-06	=	5.05E-06
30-70 Years	0.02019	233	1	0.96	1.00E-06	=	4.51E-06

Year 2 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	2.11E-05	1.1	10	1.00	70	0.85	1,000,000	2.8
2-16 Years	1.11E-05	1.1	3	1.00	70	0.72	1,000,000	0.4
16-30 Years	5.05E-06	1.1	1	1.00	70	0.73	1,000,000	0.1
30-70 Years	4.51E-06	1.1	1	1.00	70	0.73	1,000,000	0.1

Year 3 @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.01064	1090	1	0.96	1.00E-06	=	1.11E-05
2-16 Years	0.01064	572	1	0.96	1.00E-06	=	5.84E-06
16-30 Years	0.01064	261	1	0.96	1.00E-06	=	2.66E-06
30-70 Years	0.01064	233	1	0.96	1.00E-06	=	2.38E-06

Year 3 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	1.11E-05	1.1	10	1.00	70	0.85	1,000,000	1.5
2-16 Years	5.84E-06	1.1	3	1.00	70	0.72	1,000,000	0.2
16-30 Years	2.66E-06	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	2.38E-06	1.1	1	1.00	70	0.73	1,000,000	0.0

Year 4 @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.00058	1090	1	0.96	1.00E-06	=	6.05E-07
2-16 Years	0.00058	572	1	0.96	1.00E-06	=	3.17E-07
16-30 Years	0.00058	261	1	0.96	1.00E-06	=	1.45E-07
30-70 Years	0.00058	233	1	0.96	1.00E-06	=	1.29E-07

Year 4 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	6.05E-07	1.1	10	1.00	70	0.85	1,000,000	0.1
2-16 Years	3.17E-07	1.1	3	1.00	70	0.72	1,000,000	0.0
16-30 Years	1.45E-07	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	1.29E-07	1.1	1	1.00	70	0.73	1,000,000	0.0

Year 5 - 30 Dose @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.00103	1090	1	0.96	1.00E-06	=	1.08E-06
2-16 Years	0.00103	572	1	0.96	1.00E-06	=	5.65E-07
16-30 Years	0.00103	261	1	0.96	1.00E-06	=	2.58E-07
30-70 Years	0.00103	233	1	0.96	1.00E-06	=	2.30E-07

Year 5 - 30 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	1.08E-06	1.1	10	1.00	70	0.85	1,000,000	0.1
2-16 Years	5.65E-07	1.1	3	1.00	70	0.72	1,000,000	0.0
16-30 Years	2.58E-07	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	2.30E-07	1.1	1	1.00	70	0.73	1,000,000	0.0

Total Excess Risk at MEIR (Cumulative, Based on Age at Start of Construction)

Exposure Year	Infant	Child < 2	Child 2<x<16	Adult 16<x<30	Adult 30<x<70
Year 1	5.9	5.5	0.7	0.1	0.1
Year 2	2.8	2.8	0.4	0.1	0.1
Year 3	0.2	0.2	0.2	0.0	0.0
Year 4	0.0	0.0	0.0	0.0	0.0
Year 5-16	0.2	0.2	0.2	0.0	0.0
Year 16-30	0.0	0.0	0.0	0.0	0.0
Total	9.2	8.8	1.6	0.3	0.2

Note: Infant exposure includes infant and child exposure in Year 1

MAXIMUM BUILDOUT SCENARIO - UNMITIGATED ON-SITE "RECEPTOR A" DPM RISK CALCS

METHODOLOGY

Dose (Air) = Cair x DBR x A x EF x CF

Where:
- Cair: Chemical concentration in air (µg/m^3)
- DBR: Daily breathing rate (L/kg-day)
- A: Inhalation adsorption factor (unitless)
- EF: Exposure Frequency, days at home / days in year (unitless)
- CF: $10^{\wedge -6}$ Conversion Factor (m^3/L and mg/µg)

Cancer Risk (per million) = Dose (Air) x CPF x ASF x (ED/AT) x FAH x 1,000,000

Where:
- Dose: Dose of chemical in the air (µg/m3)
- CPF: Cancer Potency Factor $(mg/kg\text{-}day)^{-1}$
- ASF: Age Sensitivity Factor
- ED: Exposure Duration (years)
- AT: Averaging Time for lifetime cancer risks
- FAH: Fraction of daily time spent at home / school

Risk Parameter Values by Age Bin

Variable	Residential Age Bin				
	3rd Trimester	0-2 Years	2-16 Years	16-30 Years	30-70 Years
DBR	361	1090	572	261	233
A	1	1	1	1	1
EF	0.96	0.96	0.96	0.96	0.96
CF	1.00E-06	1.00E-06	1.00E-06	1.00E-06	1.00E-06
CPF	1.1	1.1	1.1	1.1	1.1
ASF	10	10	3	1	1
ED	0.25	2	14	14	54
AT	70	70	70	70	70
FAH	0.85	0.85	0.72	0.73	0.73

AERMOD Modeled DPM Concentrations (PMI/MEIR)

	MEIR			PMI		
	Conc.	X	Y	Conc.	X	Y
Year 1 (Const)	0.03711	570125.98	3733918.79			
Year 2 (Const)	0.05762	570125.98	3733918.79			
Year 3 (Const)	0.03251	570125.98	3733918.79			
Year 4 (Con and Ops	0.0189301	570125.98	3733918.79			
Year 5 - 30 (Ops)	0.00276	570125.98	3733918.79			

Risk Assessment at MEIR

Scenario	AERMOD DPM Conc.	Chronic Hazard Quotient
Year 1 (Con)	0.03711	0.007422
Year 2 (Con)	0.05762	
Year 3 (Con)	0.03251	
Year 4 (Con and Ops	0.018930137	0.003786027
Year 5-30 (Ops)	0.00276	0.000552

Year 1 Dose @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
3rd Trimester	0.03711	361	1	0.96	1.00E-06	=	1.28E-05
0-2 Years	0.03711	1090	1	0.96	1.00E-06	=	3.88E-05
2-16 Years	0.03711	572	1	0.96	1.00E-06	=	2.04E-05
16-30 Years	0.03711	261	1	0.96	1.00E-06	=	9.29E-06
30-70 Years	0.03711	233	1	0.96	1.00E-06	=	8.29E-06

Year 1 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
3rd Trimester	1.28E-05	1.1	10	0.25	70	0.85	1,000,000	0.4
0-2 Years	3.88E-05	1.1	10	1.00	70	0.85	1,000,000	5.2
2-16 Years	2.04E-05	1.1	3	1.00	70	0.72	1,000,000	0.7
16-30 Years	9.29E-06	1.1	1	1.00	70	0.73	1,000,000	0.1
30-70 Years	8.29E-06	1.1	1	1.00	70	0.73	1,000,000	0.1

Year 2 @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.05762	1090	1	0.96	1.00E-06	=	6.02E-05
2-16 Years	0.05762	572	1	0.96	1.00E-06	=	3.16E-05
16-30 Years	0.05762	261	1	0.96	1.00E-06	=	1.44E-05
30-70 Years	0.05762	233	1	0.96	1.00E-06	=	1.29E-05

Year 2 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	6.02E-05	1.1	10	1.00	70	0.85	1,000,000	8.0
2-16 Years	3.16E-05	1.1	3	1.00	70	0.72	1,000,000	1.1
16-30 Years	1.44E-05	1.1	1	1.00	70	0.73	1,000,000	0.2
30-70 Years	1.29E-05	1.1	1	1.00	70	0.73	1,000,000	0.1

Year 3 @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.03251	1090	1	0.96	1.00E-06	=	3.40E-05
2-16 Years	0.03251	572	1	0.96	1.00E-06	=	1.78E-05
16-30 Years	0.03251	261	1	0.96	1.00E-06	=	8.14E-06
30-70 Years	0.03251	233	1	0.96	1.00E-06	=	7.26E-06

Year 3 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	3.40E-05	1.1	10	1.00	70	0.85	1,000,000	4.5
2-16 Years	1.78E-05	1.1	3	1.00	70	0.72	1,000,000	0.6
16-30 Years	8.14E-06	1.1	1	1.00	70	0.73	1,000,000	0.1
30-70 Years	7.26E-06	1.1	1	1.00	70	0.73	1,000,000	0.1

Year 4 @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.01893	1090	1	0.96	1.00E-06	=	1.98E-05
2-16 Years	0.01893	572	1	0.96	1.00E-06	=	1.04E-05
16-30 Years	0.01893	261	1	0.96	1.00E-06	=	4.74E-06
30-70 Years	0.01893	233	1	0.96	1.00E-06	=	4.23E-06

Year 4 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	1.98E-05	1.1	10	1.00	70	0.85	1,000,000	2.6
2-16 Years	1.04E-05	1.1	3	1.00	70	0.72	1,000,000	0.4
16-30 Years	4.74E-06	1.1	1	1.00	70	0.73	1,000,000	0.1
30-70 Years	4.23E-06	1.1	1	1.00	70	0.73	1,000,000	0.0

Year 5 - 30 Dose @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.00276	1090	1	0.96	1.00E-06	=	2.88E-06
2-16 Years	0.00276	572	1	0.96	1.00E-06	=	1.51E-06
16-30 Years	0.00276	261	1	0.96	1.00E-06	=	6.91E-07
30-70 Years	0.00276	233	1	0.96	1.00E-06	=	6.17E-07

Year 5 - 30 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	2.88E-06	1.1	10	1.00	70	0.85	1,000,000	0.4
2-16 Years	1.51E-06	1.1	3	1.00	70	0.72	1,000,000	0.1
16-30 Years	6.91E-07	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	6.17E-07	1.1	1	1.00	70	0.73	1,000,000	0.0

Total Excess Risk at MEIR (Cumulative, Based on Age at Start of Construction)

Exposure Year	Infant	Child < 2	Child 2<x<16	Adult 16<x<30	Adult 30<x<70
Year 1	5.6	5.2	0.7	0.1	0.1
Year 2	8.0	8.0	1.1	0.2	0.1
Year 3	0.6	0.6	0.6	0.1	0.1
Year 4	0.4	0.4	0.4	0.1	0.0
Year 5-16	0.6	0.6	0.5	0.1	0.1
Year 16-30	0.1	0.1	0.1	0.1	0.1
Total	15.3	14.9	3.4	0.6	0.6

Note: Infant exposure includes infant and child in Year 1

MAXIMUM BUILDOUT SCENARIO - UNMITIGATED ON-SITE "RECEPTOR B" DPM RISK CALCS

METHODOLOGY

Dose (Air) = Cair x DBR x A x EF x CF

Where:

- Cair: Chemical concentration in air (µg/m^3)
- DBR: Daily breathing rate (L/kg-day)
- A: Inhalation adsorption factor (unitless)
- EF: Exposure Frequency, days at home / days in year (unitless)
- CF: $10^{\wedge -6}$ Conversion Factor (m^3/L and mg/µg)

Cancer Risk (per million) = Dose (Air) x CPF x ASF x (ED/AT) x FAH x 1,000,000

Where:

- Dose: Dose of chemical in the air (µg/m3)
- CPF: Cancer Potency Factor $(mg/kg\text{-}day)^{-1}$
- ASF: Age Sensitivity Factor
- ED: Exposure Duration (years)
- AT: Averaging Time for lifetime cancer risks
- FAH: Fraction of daily time spent at home / school

Risk Parameter Values by Age Bin

Variable	Residential Age Bin				
	3rd Trimester	0-2 Years	2-16 Years	16-30 Years	30-70 Years
DBR	361	1090	572	261	233
A	1	1	1	1	1
EF	0.96	0.96	0.96	0.96	0.96
CF	1.00E-06	1.00E-06	1.00E-06	1.00E-06	1.00E-06
CPF	1.1	1.1	1.1	1.1	1.1
ASF	10	10	3	1	1
ED	0.25	2	14	14	54
AT	70	70	70	70	70
FAH	0.85	0.85	0.72	0.73	0.73

AERMOD Modeled DPM Concentrations (PMI/MEIR)

	MEIR			PMI		
	Conc.	X	Y	Conc.	X	Y
Year 1 (Const)	0.05863	570133.72	3733862.79			
Year 2 (Const)	0.06324	570133.72	3733862.79			
Year 3 (Const)	0.0156674	570133.72	3733862.79			
Year 4 (Ops)	0.00410	570133.72	3733862.79			
Year 5 - 30 (Ops)	0.00414	570133.72	3733862.79			

Risk Assessment at MEIR

Scenario	AERMOD DPM Conc.	Chronic Hazard Quotient
Year 1 (Con)	0.05863	0.011726
Year 2 (Con)	0.06324	
Year 3 (Con)	0.015667397	
Year 4 (Con and Ops	0.0041	0.00082
Year 5-30 (Ops)	0.00414	0.000828

Year 1 Dose @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
3rd Trimester	0.05863	361	1	0.96	1.00E-06	=	2.03E-05
0-2 Years	0.05863	1090	1	0.96	1.00E-06	=	6.13E-05
2-16 Years	0.05863	572	1	0.96	1.00E-06	=	3.22E-05
16-30 Years	0.05863	261	1	0.96	1.00E-06	=	1.47E-05
30-70 Years	0.05863	233	1	0.96	1.00E-06	=	1.31E-05

Year 1 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
3rd Trimester	2.03E-05	1.1	10	0.25	70	0.85	1,000,000	0.7
0-2 Years	6.13E-05	1.1	10	1.00	70	0.85	1,000,000	8.2
2-16 Years	3.22E-05	1.1	3	1.00	70	0.72	1,000,000	1.1
16-30 Years	1.47E-05	1.1	1	1.00	70	0.73	1,000,000	0.2
30-70 Years	1.31E-05	1.1	1	1.00	70	0.73	1,000,000	0.2

Year 2 @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.06324	1090	1	0.96	1.00E-06	=	6.61E-05
2-16 Years	0.06324	572	1	0.96	1.00E-06	=	3.47E-05
16-30 Years	0.06324	261	1	0.96	1.00E-06	=	1.58E-05
30-70 Years	0.06324	233	1	0.96	1.00E-06	=	1.41E-05

Year 2 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	6.61E-05	1.1	10	1.00	70	0.85	1,000,000	8.8
2-16 Years	3.47E-05	1.1	3	1.00	70	0.72	1,000,000	1.2
16-30 Years	1.58E-05	1.1	1	1.00	70	0.73	1,000,000	0.2
30-70 Years	1.41E-05	1.1	1	1.00	70	0.73	1,000,000	0.2

Year 3 @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.01567	1090	1	0.96	1.00E-06	=	1.64E-05
2-16 Years	0.01567	572	1	0.96	1.00E-06	=	8.59E-06
16-30 Years	0.01567	261	1	0.96	1.00E-06	=	3.92E-06
30-70 Years	0.01567	233	1	0.96	1.00E-06	=	3.50E-06

Year 3 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	1.64E-05	1.1	10	1.00	70	0.85	1,000,000	2.2
2-16 Years	8.59E-06	1.1	3	1.00	70	0.72	1,000,000	0.3
16-30 Years	3.92E-06	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	3.50E-06	1.1	1	1.00	70	0.73	1,000,000	0.0

Year 4 @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.00410	1090	1	0.96	1.00E-06	=	4.29E-06
2-16 Years	0.00410	572	1	0.96	1.00E-06	=	2.25E-06
16-30 Years	0.00410	261	1	0.96	1.00E-06	=	1.03E-06
30-70 Years	0.00410	233	1	0.96	1.00E-06	=	9.16E-07

Year 4 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	4.29E-06	1.1	10	1.00	70	0.85	1,000,000	0.6
2-16 Years	2.25E-06	1.1	3	1.00	70	0.72	1,000,000	0.1
16-30 Years	1.03E-06	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	9.16E-07	1.1	1	1.00	70	0.73	1,000,000	0.0

Year 5 - 30 Dose @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.00414	1090	1	0.96	1.00E-06	=	4.33E-06
2-16 Years	0.00414	572	1	0.96	1.00E-06	=	2.27E-06
16-30 Years	0.00414	261	1	0.96	1.00E-06	=	1.04E-06
30-70 Years	0.00414	233	1	0.96	1.00E-06	=	9.25E-07

Year 5 - 30 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	4.33E-06	1.1	10	1.00	70	0.85	1,000,000	0.6
2-16 Years	2.27E-06	1.1	3	1.00	70	0.72	1,000,000	0.1
16-30 Years	1.04E-06	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	9.25E-07	1.1	1	1.00	70	0.73	1,000,000	0.0

Total Excess Risk at MEIR (Cumulative, Based on Age at Start of Construction)

Exposure Year	Infant	Child < 2	Child 2<x<16	Adult 16<x<30	Adult 30<x<70
Year 1	8.9	8.2	1.1	0.2	0.2
Year 2	8.8	8.8	1.2	0.2	0.2
Year 3	0.3	0.3	0.3	0.0	0.0
Year 4	0.1	0.1	0.1	0.0	0.0
Year 5-16	0.9	0.9	0.8	0.1	0.1
Year 16-30	0.2	0.2	0.2	0.2	0.2
Total	19.2	18.5	3.6	0.7	0.6

Note: Infant exposure includes infant and child exposure in Year 1

Maximum Buildout Scenario - Mitigated Off-Site DPM Health Risk Calculations

METHODOLOGY

Dose (Air) = Cair x DBR x A x EF x CF

Where:
- Cair: Chemical concentration in air (µg/m^3)
- DBR: Daily breathing rate (L/kg-day)
- A: Inhalation adsorption factor (unitless)
- EF: Exposure Frequency, days at home / days in year (unitless)
- CF: $10^{\wedge -6}$ Conversion Factor (m^3/L and mg/µg)

Cancer Risk (per million) = Dose (Air) x CPF x ASF x (ED/AT) x FAH x 1,000,000

Where:
- Dose: Dose of chemical in the air (µg/m3)
- CPF: Cancer Potency Factor $(mg/kg\text{-}day)^{-1}$
- ASF: Age Sensitivity Factor
- ED: Exposure Duration (years)
- AT: Averaging Time for lifetime cancer risks
- FAH: Fraction of daily time spent at home / school

Risk Parameter Values by Age Bin

Variable	Residential Age Bin				
	3rd Trimester	0-2 Years	2-16 Years	16-30 Years	30-70 Years
DBR	361	1090	572	261	233
A	1	1	1	1	1
EF	0.96	0.96	0.96	0.96	0.96
CF	1.00E-06	1.00E-06	1.00E-06	1.00E-06	1.00E-06
CPF	1.1	1.1	1.1	1.1	1.1
ASF	10	10	3	1	1
ED	0.25	2	14	14	54
AT	70	70	70	70	70
FAH	0.85	0.85	0.72	0.73	0.73

AERMOD Modeled DPM Concentrations (PMI/MEIR)

	MEIR			PMI		
	Conc.	X	Y	Conc.	X	Y
Year 1 (Const)	0.00786	570178.59	3734229.96	0.03418	570783.72	3733812.79
Year 2 (Const)	0.00403	570178.59	3734229.96			
Year 3 (Const)	0.00222	570178.59	3734229.96			
Year 4 (Const and O	0.001896	570128.59	3734229.96			
Year 5 - 30 (Ops)	0.00099	570128.59	3734229.96	0.06749	569718.32	3733409.8

Risk Assessment at MEIR

Scenario	AERMOD DPM Conc.	Chronic Hazard Quotient
Year 1 (Con)	0.00786	0.002
Year 2 (Con)	0.00403	
Year 3 (Con)	0.00222	
Year 4 (Con and Ops	0.001896027	0.000379205
Year 5-30 (Ops)	0.00099	0.000198

Year 1 Dose @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
3rd Trimester	0.00786	361	1	0.96	1.00E-06	=	2.72E-06
0-2 Years	0.00786	1090	1	0.96	1.00E-06	=	8.22E-06
2-16 Years	0.00786	572	1	0.96	1.00E-06	=	4.31E-06
16-30 Years	0.00786	261	1	0.96	1.00E-06	=	1.97E-06
30-70 Years	0.00786	233	1	0.96	1.00E-06	=	1.76E-06

Year 1 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
3rd Trimester	2.72E-06	1.1	10	0.25	70	0.85	1,000,000	0.1
0-2 Years	8.22E-06	1.1	10	1.00	70	0.85	1,000,000	1.1
2-16 Years	4.31E-06	1.1	3	1.00	70	0.72	1,000,000	0.1
16-30 Years	1.97E-06	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	1.76E-06	1.1	1	1.00	70	0.73	1,000,000	0.0

Year 2 @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.00403	1090	1	0.96	1.00E-06	=	4.21E-06
2-16 Years	0.00403	572	1	0.96	1.00E-06	=	2.21E-06
16-30 Years	0.00403	261	1	0.96	1.00E-06	=	1.01E-06
30-70 Years	0.00403	233	1	0.96	1.00E-06	=	9.00E-07

Year 2 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	4.21E-06	1.1	10	1.00	70	0.85	1,000,000	0.6
2-16 Years	2.21E-06	1.1	3	1.00	70	0.72	1,000,000	0.1
16-30 Years	1.01E-06	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	9.00E-07	1.1	1	1.00	70	0.73	1,000,000	0.0

Year 3 @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.00222	1090	1	0.96	1.00E-06	=	2.32E-06
2-16 Years	0.00222	572	1	0.96	1.00E-06	=	1.22E-06
16-30 Years	0.00222	261	1	0.96	1.00E-06	=	5.56E-07
30-70 Years	0.00222	233	1	0.96	1.00E-06	=	4.96E-07

Year 3 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	2.32E-06	1.1	10	1.00	70	0.85	1,000,000	0.3
2-16 Years	1.22E-06	1.1	3	1.00	70	0.72	1,000,000	0.0
16-30 Years	5.56E-07	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	4.96E-07	1.1	1	1.00	70	0.73	1,000,000	0.0

Year 4 @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.00190	1090	1	0.96	1.00E-06	=	1.98E-06
2-16 Years	0.00190	572	1	0.96	1.00E-06	=	1.04E-06
16-30 Years	0.00190	261	1	0.96	1.00E-06	=	4.75E-07
30-70 Years	0.00190	233	1	0.96	1.00E-06	=	4.24E-07

Year 4 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	1.98E-06	1.1	10	1.00	70	0.85	1,000,000	0.3
2-16 Years	1.04E-06	1.1	3	1.00	70	0.72	1,000,000	0.0
16-30 Years	4.75E-07	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	4.24E-07	1.1	1	1.00	70	0.73	1,000,000	0.0

Year 5 - 30 Dose @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.00099	1090	1	0.96	1.00E-06	=	1.03E-06
2-16 Years	0.00099	572	1	0.96	1.00E-06	=	5.43E-07
16-30 Years	0.00099	261	1	0.96	1.00E-06	=	2.48E-07
30-70 Years	0.00099	233	1	0.96	1.00E-06	=	2.21E-07

Year 5 - 30 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	1.03E-06	1.1	10	1.00	70	0.85	1,000,000	0.1
2-16 Years	5.43E-07	1.1	3	1.00	70	0.72	1,000,000	0.0
16-30 Years	2.48E-07	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	2.21E-07	1.1	1	1.00	70	0.73	1,000,000	0.0

Total Excess Risk at MEIR (Cumulative, Based on Age at Start of Construction)

Exposure Year	Infant	Child < 2	Child 2<x<16	Adult 16<x<30	Adult 30<x<70
Year 1	1.2	1.1	0.1	0.0	0.0
Year 2	0.6	0.6	0.1	0.0	0.0
Year 3	0.0	0.0	0.0	0.0	0.0
Year 4	0.0	0.0	0.0	0.0	0.0
Year 5-16	0.2	0.2	0.2	0.0	0.0
Year 16-30	0.0	0.0	0.0	0.0	0.0
Total	2.1	2.0	0.5	0.1	0.1

Note: Infant exposure includes infant and child exposure in Year 1

MAXIMUM BUILDOUT SCENARIO - MITIGATED ON-SITE "RECEPTOR A" DPM RISK CALCS

METHODOLOGY

Dose (Air) = Cair x DBR x A x EF x CF

Where:

- Cair: Chemical concentration in air (µg/m^3)
- DBR: Daily breathing rate (L/kg-day)
- A: Inhalation adsorption factor (unitless)
- EF: Exposure Frequency, days at home / days in year (unitless)
- CF: $10^{\wedge -6}$ Conversion Factor (m^3/L and mg/µg)

Cancer Risk (per million) = Dose (Air) x CPF x ASF x (ED/AT) x FAH x 1,000,000

Where:

- Dose: Dose of chemical in the air (µg/m3)
- CPF: Cancer Potency Factor (mg/kg-day)$^{-1}$
- ASF: Age Sensitivity Factor
- ED: Exposure Duration (years)
- AT: Averaging Time for lifetime cancer risks
- FAH: Fraction of daily time spent at home / school

Risk Parameter Values by Age Bin

Variable	Residential Age Bin				
	3rd Trimester	0-2 Years	2-16 Years	16-30 Years	30-70 Years
DBR	361	1090	572	261	233
A	1	1	1	1	1
EF	0.96	0.96	0.96	0.96	0.96
CF	1.00E-06	1.00E-06	1.00E-06	1.00E-06	1.00E-06
CPF	1.1	1.1	1.1	1.1	1.1
ASF	10	10	3	1	1
ED	0.25	2	14	14	54
AT	70	70	70	70	70
FAH	0.85	0.85	0.72	0.73	0.73

AERMOD Modeled DPM Concentrations (PMI/MEIR)

	MEIR			PMI		
	Conc.	X	Y	Conc.	X	Y
Year 1 (Const)	0.0075100	570125.98	3733918.79			
Year 2 (Const)	0.01163	570125.98	3733918.79			
Year 3 (Const)	0.00669	570125.98	3733918.79			
Year 4 (Con and Ops	0.0059801	570125.98	3733918.79			
Year 5 - 30 (Ops)	0.00276	570125.98	3733918.79			

Risk Assessment at MEIR

Scenario	AERMOD DPM Conc.	Chronic Hazard Quotient
Year 1 (Con)	0.00751	0.001502
Year 2 (Con)	0.01163	
Year 3 (Con)	0.00669	
Year 4 (Con and Ops	0.005980137	0.001196027
Year 5-30 (Ops)	0.00276	0.000552

Year 1 Dose @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
3rd Trimester	0.00751	361	1	0.96	1.00E-06	=	2.60E-06
0-2 Years	0.00751	1090	1	0.96	1.00E-06	=	7.85E-06
2-16 Years	0.00751	572	1	0.96	1.00E-06	=	4.12E-06
16-30 Years	0.00751	261	1	0.96	1.00E-06	=	1.88E-06
30-70 Years	0.00751	233	1	0.96	1.00E-06	=	1.68E-06

Year 1 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
3rd Trimester	2.60E-06	1.1	10	0.25	70	0.85	1,000,000	0.1
0-2 Years	7.85E-06	1.1	10	1.00	70	0.85	1,000,000	1.0
2-16 Years	4.12E-06	1.1	3	1.00	70	0.72	1,000,000	0.1
16-30 Years	1.88E-06	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	1.68E-06	1.1	1	1.00	70	0.73	1,000,000	0.0

Year 2 @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.01163	1090	1	0.96	1.00E-06	=	1.22E-05
2-16 Years	0.01163	572	1	0.96	1.00E-06	=	6.38E-06
16-30 Years	0.01163	261	1	0.96	1.00E-06	=	2.91E-06
30-70 Years	0.01163	233	1	0.96	1.00E-06	=	2.60E-06

Year 2 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	1.22E-05	1.1	10	1.00	70	0.85	1,000,000	1.6
2-16 Years	6.38E-06	1.1	3	1.00	70	0.72	1,000,000	0.2
16-30 Years	2.91E-06	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	2.60E-06	1.1	1	1.00	70	0.73	1,000,000	0.0

Year 3 @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.00669	1090	1	0.96	1.00E-06	=	6.99E-06
2-16 Years	0.00669	572	1	0.96	1.00E-06	=	3.67E-06
16-30 Years	0.00669	261	1	0.96	1.00E-06	=	1.67E-06
30-70 Years	0.00669	233	1	0.96	1.00E-06	=	1.49E-06

Year 3 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	6.99E-06	1.1	10	1.00	70	0.85	1,000,000	0.9
2-16 Years	3.67E-06	1.1	3	1.00	70	0.72	1,000,000	0.1
16-30 Years	1.67E-06	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	1.49E-06	1.1	1	1.00	70	0.73	1,000,000	0.0

Year 4 @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.00598	1090	1	0.96	1.00E-06	=	6.25E-06
2-16 Years	0.00598	572	1	0.96	1.00E-06	=	3.28E-06
16-30 Years	0.00598	261	1	0.96	1.00E-06	=	1.50E-06
30-70 Years	0.00598	233	1	0.96	1.00E-06	=	1.34E-06

Year 4 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	6.25E-06	1.1	10	1.00	70	0.85	1,000,000	0.8
2-16 Years	3.28E-06	1.1	3	1.00	70	0.72	1,000,000	0.1
16-30 Years	1.50E-06	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	1.34E-06	1.1	1	1.00	70	0.73	1,000,000	0.0

Year 5 - 30 Dose @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.00276	1090	1	0.96	1.00E-06	=	2.88E-06
2-16 Years	0.00276	572	1	0.96	1.00E-06	=	1.51E-06
16-30 Years	0.00276	261	1	0.96	1.00E-06	=	6.91E-07
30-70 Years	0.00276	233	1	0.96	1.00E-06	=	6.17E-07

Year 5 - 30 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	2.88E-06	1.1	10	1.00	70	0.85	1,000,000	0.4
2-16 Years	1.51E-06	1.1	3	1.00	70	0.85	1,000,001	0.1
16-30 Years	6.91E-07	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	6.17E-07	1.1	1	1.00	70	0.73	1,000,000	0.0

Total Excess Risk at MEIR (Cumulative, Based on Age at Start of Construction)

Exposure Year	Infant	Child < 2	Child 2<x<16	Adult 16<x<30	Adult 30<x<70
Year 1	1.1	1.0	0.1	0.0	0.0
Year 2	1.6	1.6	0.2	0.0	0.0
Year 3	0.1	0.1	0.1	0.0	0.0
Year 4	0.1	0.1	0.1	0.0	0.0
Year 5-16	0.7	4.6	3.9	0.1	0.1
Year 16-30	0.1	0.1	0.1	0.1	0.1
Total	3.8	7.6	4.6	0.3	0.3

Note: Infant exposure includes infant and child exposure in Year 1

MAXIMUM BUILDOUT SCENARIO - MITIGATED ON-SITE "RECEPTOR B" DPM RISK CALCS

METHODOLOGY

Dose (Air) = Cair x DBR x A x EF x CF

Where:
- Cair: Chemical concentration in air (µg/m^3)
- DBR: Daily breathing rate (L/kg-day)
- A: Inhalation adsorption factor (unitless)
- EF: Exposure Frequency, days at home / days in year (unitless)
- CF: $10^{\wedge -6}$ Conversion Factor (m^3/L and mg/µg)

Cancer Risk (per million) = Dose (Air) x CPF x ASF x (ED/AT) x FAH x 1,000,000

Where:
- Dose: Dose of chemical in the air (µg/m3)
- CPF: Cancer Potency Factor (mg/kg-day)$^{-1}$
- ASF: Age Sensitivity Factor
- ED: Exposure Duration (years)
- AT: Averaging Time for lifetime cancer risks
- FAH: Fraction of daily time spent at home / school

Risk Parameter Values by Age Bin

Variable	Residential Age Bin				
	3rd Trimester	0-2 Years	2-16 Years	16-30 Years	30-70 Years
DBR	361	1090	572	261	233
A	1	1	1	1	1
EF	0.96	0.96	0.96	0.96	0.96
CF	1.00E-06	1.00E-06	1.00E-06	1.00E-06	1.00E-06
CPF	1.1	1.1	1.1	1.1	1.1
ASF	10	10	3	1	1
ED	0.25	2	14	14	54
AT	70	70	70	70	70
FAH	0.85	0.85	0.72	0.73	0.73

AERMOD Modeled DPM Concentrations (PMI/MEIR)

	MEIR			PMI		
	Conc.	X	Y	Conc.	X	Y
Year 1 (Const)	0.00918	570133.72	3733862.79			
Year 2 (Const)	0.01278	570133.72	3733862.79			
Year 3 (Const)	0.0054721	570133.72	3733862.79			
Year 4 (Ops)	0.00414	570133.72	3733862.79			
Year 5 - 30 (Ops)	0.00414	570133.72	3733862.79			

Risk Assessment at MEIR

Scenario	AERMOD DPM Conc.	Chronic Hazard Quotient
Year 1 (Con)	0.00918	0.001836
Year 2 (Con)	0.01278	
Year 3 (Con)	0.005472055	
Year 4 (Con and Ops	0.00414	0.000828
Year 5-30 (Ops)	0.00414	0.000828

Year 1 Dose @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
3rd Trimester	0.00918	361	1	0.96	1.00E-06	=	3.18E-06
0-2 Years	0.00918	1090	1	0.96	1.00E-06	=	9.59E-06
2-16 Years	0.00918	572	1	0.96	1.00E-06	=	5.04E-06
16-30 Years	0.00918	261	1	0.96	1.00E-06	=	2.30E-06
30-70 Years	0.00918	233	1	0.96	1.00E-06	=	2.05E-06

Year 1 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
3rd Trimester	3.18E-06	1.1	10	0.25	70	0.85	1,000,000	0.1
0-2 Years	9.59E-06	1.1	10	1.00	70	0.85	1,000,000	1.3
2-16 Years	5.04E-06	1.1	3	1.00	70	0.72	1,000,000	0.2
16-30 Years	2.30E-06	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	2.05E-06	1.1	1	1.00	70	0.73	1,000,000	0.0

Year 2 @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.01278	1090	1	0.96	1.00E-06	=	1.34E-05
2-16 Years	0.01278	572	1	0.96	1.00E-06	=	7.01E-06
16-30 Years	0.01278	261	1	0.96	1.00E-06	=	3.20E-06
30-70 Years	0.01278	233	1	0.96	1.00E-06	=	2.86E-06

Year 2 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	1.34E-05	1.1	10	1.00	70	0.85	1,000,000	1.8
2-16 Years	7.01E-06	1.1	3	1.00	70	0.72	1,000,000	0.2
16-30 Years	3.20E-06	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	2.86E-06	1.1	1	1.00	70	0.73	1,000,000	0.0

Year 3 @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.00547	1090	1	0.96	1.00E-06	=	5.72E-06
2-16 Years	0.00547	572	1	0.96	1.00E-06	=	3.00E-06
16-30 Years	0.00547	261	1	0.96	1.00E-06	=	1.37E-06
30-70 Years	0.00547	233	1	0.96	1.00E-06	=	1.22E-06

Year 3 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	5.72E-06	1.1	10	1.00	70	0.85	1,000,000	0.8
2-16 Years	3.00E-06	1.1	3	1.00	70	0.72	1,000,000	0.1
16-30 Years	1.37E-06	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	1.22E-06	1.1	1	1.00	70	0.73	1,000,000	0.0

Year 4 @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.00414	1090	1	0.96	1.00E-06	=	4.33E-06
2-16 Years	0.00414	572	1	0.96	1.00E-06	=	2.27E-06
16-30 Years	0.00414	261	1	0.96	1.00E-06	=	1.04E-06
30-70 Years	0.00414	233	1	0.96	1.00E-06	=	9.25E-07

Year 4 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	4.33E-06	1.1	10	1.00	70	0.85	1,000,000	0.6
2-16 Years	2.27E-06	1.1	3	1.00	70	0.72	1,000,000	0.1
16-30 Years	1.04E-06	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	9.25E-07	1.1	1	1.00	70	0.73	1,000,000	0.0

Year 5 - 30 Dose @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.00414	1090	1	0.96	1.00E-06	=	4.33E-06
2-16 Years	0.00414	572	1	0.96	1.00E-06	=	2.27E-06
16-30 Years	0.00414	261	1	0.96	1.00E-06	=	1.04E-06
30-70 Years	0.00414	233	1	0.96	1.00E-06	=	9.25E-07

Year 5 - 30 Excess Risk at MEIR

0-2 Years	4.33E-06	1.1	10	1.00	70	0.85	1,000,000	0.6
2-16 Years	2.27E-06	1.1	3	1.00	70	0.72	1,000,000	0.1
16-30 Years	1.04E-06	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	9.25E-07	1.1	1	1.00	70	0.73	1,000,000	0.0

Total Excess Risk at MEIR (Cumulative, Based on Age at Start of Construction)

Exposure Year	Infant	Child < 2	Child 2<x<16	Adult 16<x<30	Adult 30<x<70
Year 1	1.4	1.3	0.2	0.0	0.0
Year 2	1.8	1.8	0.2	0.0	0.0
Year 3	0.1	0.0	0.0	0.0	0.0
Year 4	0.1	0.0	0.0	0.0	0.0
Year 5-16	0.9	0.9	0.8	0.1	0.1
Year 16-30	0.2	0.2	0.2	0.2	0.2
Total	4.4	4.2	1.4	0.4	0.3

Note: Infant exposure includes infant and child exposure in Year 1

Scenario 2 -Unmitigated Off-Site DPM Health Risk Calculations

METHODOLOGY

Dose (Air) = Cair x DBR x A x EF x CF

Where:
- Cair: Chemical concentration in air (µg/m^3)
- DBR: Daily breathing rate (L/kg-day)
- A: Inhalation adsorption factor (unitless)
- EF: Exposure Frequency, days at home / days in year (unitless)
- CF: $10^{\wedge -6}$ Conversion Factor (m^3/L and mg/µg)

Cancer Risk (per million) = Dose (Air) x CPF x ASF x (ED/AT) x FAH x 1,000,000

Where:
- Dose: Dose of chemical in the air (µg/m3)
- CPF: Cancer Potency Factor $(mg/kg\text{-}day)^{-1}$
- ASF: Age Sensitivity Factor
- ED: Exposure Duration (years)
- AT: Averaging Time for lifetime cancer risks
- FAH: Fraction of daily time spent at home / school

Risk Parameter Values by Age Bin

Variable	Residential Age Bin				
	3rd Trimester	0-2 Years	2-16 Years	16-30 Years	30-70 Years
DBR	361	1090	572	261	233
A	1	1	1	1	1
EF	0.96	0.96	0.96	0.96	0.96
CF	1.00E-06	1.00E-06	1.00E-06	1.00E-06	1.00E-06
CPF	1.1	1.1	1.1	1.1	1.1
ASF	10	10	3	1	1
ED	0.25	2	14	14	54
AT	70	70	70	70	70
FAH	0.85	0.85	0.72	0.73	0.73

AERMOD Modeled DPM Concentrations (PMI/MEIR)

	MEIR			PMI		
	Conc.	X	Y	Conc.	X	Y
Year 1 (Const)	0.03078	570178.59	3734229.96	0.20756	570883.72	3733912.79
Year 2 (Const)	0.02155	570178.59	3734229.96			
Year 3 (Const)	0.0111	570178.59	3734229.96			
Year 4 (Const and O	0.0043048	570178.59	3734229.96			
Year 5 - 30 (Ops)	0.00024	570178.59	3734229.96	0.06749	569718.32	3733409.8

Risk Assessment at MEIR

Scenario	AERMOD DPM Conc.	Chronic Hazard Quotient
Year 1 (Con)	0.03078	0.006156
Year 2 (Con)	0.02155	0.00431
Year 3 (Con)	0.0111	0.00222
Year 4 (Con and Ops	0.004304795	0.000860959
Year 5-30 (Ops)	0.00024	0.000048

Year 1 Dose @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
3rd Trimester	0.03078	361	1	0.96	1.00E-06	=	1.07E-05
0-2 Years	0.03078	1090	1	0.96	1.00E-06	=	3.22E-05
2-16 Years	0.03078	572	1	0.96	1.00E-06	=	1.69E-05
16-30 Years	0.03078	261	1	0.96	1.00E-06	=	7.70E-06
30-70 Years	0.03078	233	1	0.96	1.00E-06	=	6.88E-06

Year 1 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
3rd Trimester	1.07E-05	1.1	10	0.25	70	0.85	1,000,000	0.4
0-2 Years	3.22E-05	1.1	10	1.00	70	0.85	1,000,000	4.3
2-16 Years	1.69E-05	1.1	3	1.00	70	0.72	1,000,000	0.6
16-30 Years	7.70E-06	1.1	1	1.00	70	0.73	1,000,000	0.1
30-70 Years	6.88E-06	1.1	1	1.00	70	0.73	1,000,000	0.1

Year 2 @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.02155	1090	1	0.96	1.00E-06	=	2.25E-05
2-16 Years	0.02155	572	1	0.96	1.00E-06	=	1.18E-05
16-30 Years	0.02155	261	1	0.96	1.00E-06	=	5.39E-06
30-70 Years	0.02155	233	1	0.96	1.00E-06	=	4.81E-06

Year 2 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	2.25E-05	1.1	10	1.00	70	0.85	1,000,000	3.0
2-16 Years	1.18E-05	1.1	3	1.00	70	0.72	1,000,000	0.4
16-30 Years	5.39E-06	1.1	1	1.00	70	0.73	1,000,000	0.1
30-70 Years	4.81E-06	1.1	1	1.00	70	0.73	1,000,000	0.1

Year 3 @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.01110	1090	1	0.96	1.00E-06	=	1.16E-05
2-16 Years	0.01110	572	1	0.96	1.00E-06	=	6.09E-06
16-30 Years	0.01110	261	1	0.96	1.00E-06	=	2.78E-06
30-70 Years	0.01110	233	1	0.96	1.00E-06	=	2.48E-06

Year 3 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	1.16E-05	1.1	10	1.00	70	0.85	1,000,000	1.5
2-16 Years	6.09E-06	1.1	3	1.00	70	0.72	1,000,000	0.2
16-30 Years	2.78E-06	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	2.48E-06	1.1	1	1.00	70	0.73	1,000,000	0.0

Year 4 @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.00430	1090	1	0.96	1.00E-06	=	4.50E-06
2-16 Years	0.00430	572	1	0.96	1.00E-06	=	2.36E-06
16-30 Years	0.00430	261	1	0.96	1.00E-06	=	1.08E-06
30-70 Years	0.00430	233	1	0.96	1.00E-06	=	9.62E-07

Year 4 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	4.50E-06	1.1	10	1.00	70	0.85	1,000,000	0.6
2-16 Years	2.36E-06	1.1	3	1.00	70	0.72	1,000,000	0.1
16-30 Years	1.08E-06	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	9.62E-07	1.1	1	1.00	70	0.73	1,000,000	0.0

Year 5 - 30 Dose @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.00024	1090	1	0.96	1.00E-06	=	2.51E-07
2-16 Years	0.00024	572	1	0.96	1.00E-06	=	1.32E-07
16-30 Years	0.00024	261	1	0.96	1.00E-06	=	6.01E-08
30-70 Years	0.00024	233	1	0.96	1.00E-06	=	5.36E-08

Year 5 - 30 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	2.51E-07	1.1	10	1.00	70	0.85	1,000,000	0.0
2-16 Years	1.32E-07	1.1	3	1.00	70	0.72	1,000,000	0.0
16-30 Years	6.01E-08	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	5.36E-08	1.1	1	1.00	70	0.73	1,000,000	0.0

Total Excess Risk at MEIR (Cumulative, Based on Age at Start of Construction)

Exposure Year	Infant	Child < 2	Child 2<x<16	Adult 16<x<30	Adult 30<x<70
Year 1	4.7	4.3	0.6	0.1	0.1
Year 2	3.0	3.0	0.4	0.1	0.1
Year 3	0.2	0.2	0.2	0.0	0.0
Year 4	0.1	0.1	0.1	0.0	0.0
Year 5-16	0.1	0.1	0.0	0.0	0.0
Year 16-30	0.0	0.0	0.0	0.0	0.0
Total	8.0	7.7	1.3	0.2	0.2

Note: Infant exposure includes infant and child exposure in Year 1

SCENARIO 2 -UNMITIGATED ON-SITE "RECEPTOR A" DPM RISK CALCS

METHODOLOGY

Dose (Air) = Cair x DBR x A x EF x CF

Where:
- Cair: Chemical concentration in air (µg/m^3)
- DBR: Daily breathing rate (L/kg-day)
- A: Inhalation adsorption factor (unitless)
- EF: Exposure Frequency, days at home / days in year (unitless)
- CF: $10^{\wedge -6}$ Conversion Factor (m^3/L and mg/µg)

Cancer Risk (per million) = Dose (Air) x CPF x ASF x (ED/AT) x FAH x 1,000,000

Where:
- Dose: Dose of chemical in the air (µg/m3)
- CPF: Cancer Potency Factor (mg/kg-day)$^{-1}$
- ASF: Age Sensitivity Factor
- ED: Exposure Duration (years)
- AT: Averaging Time for lifetime cancer risks
- FAH: Fraction of daily time spent at home / school

Risk Parameter Values by Age Bin

Variable	Residential Age Bin				
	3rd Trimester	0-2 Years	2-16 Years	16-30 Years	30-70 Years
DBR	361	1090	572	261	233
A	1	1	1	1	1
EF	0.96	0.96	0.96	0.96	0.96
CF	1.00E-06	1.00E-06	1.00E-06	1.00E-06	1.00E-06
CPF	1.1	1.1	1.1	1.1	1.1
ASF	10	10	3	1	1
ED	0.25	2	14	14	54
AT	70	70	70	70	70
FAH	0.85	0.85	0.72	0.73	0.73

AERMOD Modeled DPM Concentrations (PMI/MEIR)

	MEIR			PMI		
	Conc.	X	Y	Conc.	X	Y
Year 1 (Const)	0.06148	570125.98	3733918.79			
Year 2 (Const)	0.06069	570125.98	3733918.79			
Year 3 (Const)	0.01317	570125.98	3733918.79			
Year 4 (Const and O	0.0166268	570125.98	3733918.79			
Year 5 - 30 (Ops)	0.00441	570125.98	3733918.79			

Risk Assessment at MEIR

Scenario	AERMOD DPM Conc.	Chronic Hazard Quotient
Year 1 (Con)	0.06148	0.012296
Year 2 (Con)	0.06069	0.012138
Year 3 (Con)	0.01317	0.002634
Year 4 (Con and Ops	0.016626849	0.00332537
Year 5-30 (Ops)	0.00441	0.000882

Year 1 Dose @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
3rd Trimester	0.06148	361	1	0.96	1.00E-06	=	2.13E-05
0-2 Years	0.06148	1090	1	0.96	1.00E-06	=	6.43E-05
2-16 Years	0.06148	572	1	0.96	1.00E-06	=	3.37E-05
16-30 Years	0.06148	261	1	0.96	1.00E-06	=	1.54E-05
30-70 Years	0.06148	233	1	0.96	1.00E-06	=	1.37E-05

Year 1 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
3rd Trimester	2.13E-05	1.1	10	0.25	70	0.85	1,000,000	0.7
0-2 Years	6.43E-05	1.1	10	1.00	70	0.85	1,000,000	8.6
2-16 Years	3.37E-05	1.1	3	1.00	70	0.72	1,000,000	1.1
16-30 Years	1.54E-05	1.1	1	1.00	70	0.73	1,000,000	0.2
30-70 Years	1.37E-05	1.1	1	1.00	70	0.73	1,000,000	0.2

Year 2 @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.06069	1090	1	0.96	1.00E-06	=	6.34E-05
2-16 Years	0.06069	572	1	0.96	1.00E-06	=	3.33E-05
16-30 Years	0.06069	261	1	0.96	1.00E-06	=	1.52E-05
30-70 Years	0.06069	233	1	0.96	1.00E-06	=	1.36E-05

Year 2 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	6.34E-05	1.1	10	1.00	70	0.85	1,000,000	8.5
2-16 Years	3.33E-05	1.1	3	1.00	70	0.72	1,000,000	1.1
16-30 Years	1.52E-05	1.1	1	1.00	70	0.73	1,000,000	0.2
30-70 Years	1.36E-05	1.1	1	1.00	70	0.73	1,000,000	0.2

Year 3 @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.01317	1090	1	0.96	1.00E-06	=	1.38E-05
2-16 Years	0.01317	572	1	0.96	1.00E-06	=	7.22E-06
16-30 Years	0.01317	261	1	0.96	1.00E-06	=	3.30E-06
30-70 Years	0.01317	233	1	0.96	1.00E-06	=	2.94E-06

Year 3 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	1.38E-05	1.1	10	1.00	70	0.85	1,000,000	1.8
2-16 Years	7.22E-06	1.1	3	1.00	70	0.72	1,000,000	0.2
16-30 Years	3.30E-06	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	2.94E-06	1.1	1	1.00	70	0.73	1,000,000	0.0

Year 4 @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.01663	1090	1	0.96	1.00E-06	=	1.74E-05
2-16 Years	0.01663	572	1	0.96	1.00E-06	=	9.12E-06
16-30 Years	0.01663	261	1	0.96	1.00E-06	=	4.16E-06
30-70 Years	0.01663	233	1	0.96	1.00E-06	=	3.71E-06

Year 4 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	1.74E-05	1.1	10	1.00	70	0.85	1,000,000	2.3
2-16 Years	9.12E-06	1.1	3	1.00	70	0.72	1,000,000	0.3
16-30 Years	4.16E-06	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	3.71E-06	1.1	1	1.00	70	0.73	1,000,000	0.0

Year 5 - 30 Dose @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.00441	1090	1	0.96	1.00E-06	=	4.61E-06
2-16 Years	0.00441	572	1	0.96	1.00E-06	=	2.42E-06
16-30 Years	0.00441	261	1	0.96	1.00E-06	=	1.10E-06
30-70 Years	0.00441	233	1	0.96	1.00E-06	=	9.85E-07

Year 5 - 30 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	4.61E-06	1.1	10	1.00	70	0.85	1,000,000	0.6
2-16 Years	2.42E-06	1.1	3	1.00	70	0.72	1,000,000	0.1
16-30 Years	1.10E-06	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	9.85E-07	1.1	1	1.00	70	0.73	1,000,000	0.0

Total Excess Risk at MEIR (Cumulative, Based on Age at Start of Construction)

Exposure Year	Infant	Child < 2	Child 2<x<16	Adult 16<x<30	Adult 30<x<70
Year 1	9.3	8.6	1.1	0.2	0.2
Year 2	8.5	8.5	1.1	0.2	0.2
Year 3	0.2	0.2	0.2	0.0	0.0
Year 4	0.3	0.3	0.3	0.0	0.0
Year 5-16	1.0	1.0	0.8	0.1	0.1
Year 16-30	0.2	0.2	0.2	0.2	0.2
Total	19.5	18.8	3.9	0.8	0.7

Note: Infant exposure includes infant and child exposure in Year 1

SCENARIO 2 - UNMITIGATED ON-SITE "RECEPTOR B" DPM RISK CALCS

METHODOLOGY

Dose (Air) = Cair x DBR x A x EF x CF

Where:
- Cair: Chemical concentration in air (µg/m^3)
- DBR: Daily breathing rate (L/kg-day)
- A: Inhalation adsorption factor (unitless)
- EF: Exposure Frequency, days at home / days in year (unitless)
- CF: $10^{\wedge -6}$ Conversion Factor (m^3/L and mg/µg)

Cancer Risk (per million) = Dose (Air) x CPF x ASF x (ED/AT) x FAH x 1,000,000

Where:
- Dose: Dose of chemical in the air (µg/m3)
- CPF: Cancer Potency Factor $(mg/kg\text{-}day)^{-1}$
- ASF: Age Sensitivity Factor
- ED: Exposure Duration (years)
- AT: Averaging Time for lifetime cancer risks
- FAH: Fraction of daily time spent at home / school

Risk Parameter Values by Age Bin

Variable	Residential Age Bin				
	3rd Trimester	0-2 Years	2-16 Years	16-30 Years	30-70 Years
DBR	361	1090	572	261	233
A	1	1	1	1	1
EF	0.96	0.96	0.96	0.96	0.96
CF	1.00E-06	1.00E-06	1.00E-06	1.00E-06	1.00E-06
CPF	1.1	1.1	1.1	1.1	1.1
ASF	10	10	3	1	1
ED	0.25	2	14	14	54
AT	70	70	70	70	70
FAH	0.85	0.85	0.72	0.73	0.73

AERMOD Modeled DPM Concentrations (PMI/MEIR)

	MEIR			PMI		
	Conc.	X	Y	Conc.	X	Y
Year 1 (Const)	0.14775	570833.72	3733962.79			
Year 2 (Const)	0.05672	570833.72	3733962.79			
Year 3 (Const and O	0.0035718	570833.72	3733962.79			
Year 4 (Ops)	0.00534	570833.72	3733962.79			
Year 5 - 30 (Ops)	0.00534	570833.72	3733962.79			

Risk Assessment at MEIR

Scenario	AERMOD DPM Conc.	Chronic Hazard Quotient
Year 1 (Con)	0.14775	0.02955
Year 2 (Con)	0.05672	0.011344
Year 3 (Con)	0.003571781	0.000714356
Year 4 (Con and Ops	0.00534	0.001068
Year 5-30 (Ops)	0.00534	0.001068

Year 1 Dose @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
3rd Trimester	0.14775	361	1	0.96	1.00E-06	=	5.11E-05
0-2 Years	0.14775	1090	1	0.96	1.00E-06	=	1.54E-04
2-16 Years	0.14775	572	1	0.96	1.00E-06	=	8.10E-05
16-30 Years	0.14775	261	1	0.96	1.00E-06	=	3.70E-05
30-70 Years	0.14775	233	1	0.96	1.00E-06	=	3.30E-05

Year 1 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
3rd Trimester	5.11E-05	1.1	10	0.25	70	0.85	1,000,000	1.7
0-2 Years	1.54E-04	1.1	10	1.00	70	0.85	1,000,000	20.6
2-16 Years	8.10E-05	1.1	3	1.00	70	0.72	1,000,000	2.8
16-30 Years	3.70E-05	1.1	1	1.00	70	0.73	1,000,000	0.4
30-70 Years	3.30E-05	1.1	1	1.00	70	0.73	1,000,000	0.4

Year 2 @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.05672	1090	1	0.96	1.00E-06	=	5.93E-05
2-16 Years	0.05672	572	1	0.96	1.00E-06	=	3.11E-05
16-30 Years	0.05672	261	1	0.96	1.00E-06	=	1.42E-05
30-70 Years	0.05672	233	1	0.96	1.00E-06	=	1.27E-05

Year 2 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	5.93E-05	1.1	10	1.00	70	0.85	1,000,000	7.9
2-16 Years	3.11E-05	1.1	3	1.00	70	0.72	1,000,000	1.1
16-30 Years	1.42E-05	1.1	1	1.00	70	0.73	1,000,000	0.2
30-70 Years	1.27E-05	1.1	1	1.00	70	0.73	1,000,000	0.1

Year 3 @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.00357	1090	1	0.96	1.00E-06	=	3.73E-06
2-16 Years	0.00357	572	1	0.96	1.00E-06	=	1.96E-06
16-30 Years	0.00357	261	1	0.96	1.00E-06	=	8.94E-07
30-70 Years	0.00357	233	1	0.96	1.00E-06	=	7.98E-07

Year 3 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	3.73E-06	1.1	10	1.00	70	0.85	1,000,000	0.5
2-16 Years	1.96E-06	1.1	3	1.00	70	0.72	1,000,000	0.1
16-30 Years	8.94E-07	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	7.98E-07	1.1	1	1.00	70	0.73	1,000,000	0.0

Year 4 @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.00534	1090	1	0.96	1.00E-06	=	5.58E-06
2-16 Years	0.00534	572	1	0.96	1.00E-06	=	2.93E-06
16-30 Years	0.00534	261	1	0.96	1.00E-06	=	1.34E-06
30-70 Years	0.00534	233	1	0.96	1.00E-06	=	1.19E-06

Year 4 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	5.58E-06	1.1	10	1.00	70	0.85	1,000,000	0.7
2-16 Years	2.93E-06	1.1	3	1.00	70	0.72	1,000,000	0.1
16-30 Years	1.34E-06	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	1.19E-06	1.1	1	1.00	70	0.73	1,000,000	0.0

Year 5 - 30 Dose @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.00534	1090	1	0.96	1.00E-06	=	5.58E-06
2-16 Years	0.00534	572	1	0.96	1.00E-06	=	2.93E-06
16-30 Years	0.00534	261	1	0.96	1.00E-06	=	1.34E-06
30-70 Years	0.00534	233	1	0.96	1.00E-06	=	1.19E-06

Year 5 - 30 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	5.58E-06	1.1	10	1.00	70	0.85	1,000,000	0.7
2-16 Years	2.93E-06	1.1	3	1.00	70	0.72	1,000,000	0.1
16-30 Years	1.34E-06	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	1.19E-06	1.1	1	1.00	70	0.73	1,000,000	0.0

Total Excess Risk at MEIR (Cumulative, Based on Age at Start of Construction)

Exposure Year	Infant	Child < 2	Child 2<x<16	Adult 16<x<30	Adult 30<x<70
Year 1	22.3	20.6	2.8	0.4	0.4
Year 2	7.9	7.9	1.1	0.2	0.1
Year 3	0.1	0.1	0.1	0.0	0.0
Year 4	0.1	0.1	0.1	0.0	0.0
Year 5-16	1.2	1.2	1.0	0.2	0.1
Year 16-30	0.2	0.2	0.2	0.2	0.2
Total	31.8	30.1	5.2	1.0	0.9

Note: Infant exposure includes infant and child exposure in Year 1

Scenario 2 - Mitigated Off-Site DPM Health Risk Calculations

METHODOLOGY

Dose (Air) = Cair x DBR x A x EF x CF

Where:
- Cair: Chemical concentration in air (µg/m^3)
- DBR: Daily breathing rate (L/kg-day)
- A: Inhalation adsorption factor (unitless)
- EF: Exposure Frequency, days at home / days in year (unitless)
- CF: $10^{\wedge -6}$ Conversion Factor (m^3/L and mg/µg)

Cancer Risk (per million) = Dose (Air) x CPF x ASF x (ED/AT) x FAH x 1,000,000

Where:
- Dose: Dose of chemical in the air (µg/m3)
- CPF: Cancer Potency Factor $(mg/kg\text{-}day)^{-1}$
- ASF: Age Sensitivity Factor
- ED: Exposure Duration (years)
- AT: Averaging Time for lifetime cancer risks
- FAH: Fraction of daily time spent at home / school

Risk Parameter Values by Age Bin

Variable	Residential Age Bin				
	3rd Trimester	0-2 Years	2-16 Years	16-30 Years	30-70 Years
DBR	361	1090	572	261	233
A	1	1	1	1	1
EF	0.96	0.96	0.96	0.96	0.96
CF	1.00E-06	1.00E-06	1.00E-06	1.00E-06	1.00E-06
CPF	1.1	1.1	1.1	1.1	1.1
ASF	10	10	3	1	1
ED	0.25	2	14	14	54
AT	70	70	70	70	70
FAH	0.85	0.85	0.72	0.73	0.73

AERMOD Modeled DPM Concentrations (PMI/MEIR)

	MEIR			PMI		
	Conc.	X	Y	Conc.	X	Y
Year 1 (Const)	0.00525	570178.59	3734229.96	0.03418	570783.72	3733812.79
Year 2 (Const)	0.0043	570178.59	3734229.96			
Year 3 (Const)	0.00221	570178.59	3734229.96			
Year 4 (Const and O	0.0049338	570128.59	3734229.96			
Year 5 - 30 (Ops)	0.00136	570128.59	3734229.96	0.06749	569718.32	3733409.8

Risk Assessment at MEIR

Scenario	AERMOD DPM Conc.	Chronic Hazard Quotient
Year 1 (Con)	0.00525	0.00105
Year 2 (Con)	0.0043	0.00086
Year 3 (Con)	0.00221	0.000442
Year 4 (Con and Ops	0.004933836	0.000986767
Year 5-30 (Ops)	0.00136	0.000272

Year 1 Dose @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
3rd Trimester	0.00525	361	1	0.96	1.00E-06	=	1.82E-06
0-2 Years	0.00525	1090	1	0.96	1.00E-06	=	5.49E-06
2-16 Years	0.00525	572	1	0.96	1.00E-06	=	2.88E-06
16-30 Years	0.00525	261	1	0.96	1.00E-06	=	1.31E-06
30-70 Years	0.00525	233	1	0.96	1.00E-06	=	1.17E-06

Year 1 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
3rd Trimester	1.82E-06	1.1	10	0.25	70	0.85	1,000,000	0.1
0-2 Years	5.49E-06	1.1	10	1.00	70	0.85	1,000,000	0.7
2-16 Years	2.88E-06	1.1	3	1.00	70	0.72	1,000,000	0.1
16-30 Years	1.31E-06	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	1.17E-06	1.1	1	1.00	70	0.73	1,000,000	0.0

Year 2 @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.00430	1090	1	0.96	1.00E-06	=	4.49E-06
2-16 Years	0.00430	572	1	0.96	1.00E-06	=	2.36E-06
16-30 Years	0.00430	261	1	0.96	1.00E-06	=	1.08E-06
30-70 Years	0.00430	233	1	0.96	1.00E-06	=	9.61E-07

Year 2 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	4.49E-06	1.1	10	1.00	70	0.85	1,000,000	0.6
2-16 Years	2.36E-06	1.1	3	1.00	70	0.72	1,000,000	0.1
16-30 Years	1.08E-06	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	9.61E-07	1.1	1	1.00	70	0.73	1,000,000	0.0

Year 3 @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.00221	1090	1	0.96	1.00E-06	=	2.31E-06
2-16 Years	0.00221	572	1	0.96	1.00E-06	=	1.21E-06
16-30 Years	0.00221	261	1	0.96	1.00E-06	=	5.53E-07
30-70 Years	0.00221	233	1	0.96	1.00E-06	=	4.94E-07

Year 3 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	2.31E-06	1.1	10	1.00	70	0.85	1,000,000	0.3
2-16 Years	1.21E-06	1.1	3	1.00	70	0.72	1,000,000	0.0
16-30 Years	5.53E-07	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	4.94E-07	1.1	1	1.00	70	0.73	1,000,000	0.0

Year 4 @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.00493	1090	1	0.96	1.00E-06	=	5.16E-06
2-16 Years	0.00493	572	1	0.96	1.00E-06	=	2.71E-06
16-30 Years	0.00493	261	1	0.96	1.00E-06	=	1.23E-06
30-70 Years	0.00493	233	1	0.96	1.00E-06	=	1.10E-06

Year 4 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	5.16E-06	1.1	10	1.00	70	0.85	1,000,000	0.7
2-16 Years	2.71E-06	1.1	3	1.00	70	0.72	1,000,000	0.1
16-30 Years	1.23E-06	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	1.10E-06	1.1	1	1.00	70	0.73	1,000,000	0.0

Year 5 - 30 Dose @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.00136	1090	1	0.96	1.00E-06	=	1.42E-06
2-16 Years	0.00136	572	1	0.96	1.00E-06	=	7.46E-07
16-30 Years	0.00136	261	1	0.96	1.00E-06	=	3.40E-07
30-70 Years	0.00136	233	1	0.96	1.00E-06	=	3.04E-07

Year 5 - 30 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	1.42E-06	1.1	10	1.00	70	0.85	1,000,000	0.2
2-16 Years	7.46E-07	1.1	3	1.00	70	0.72	1,000,000	0.0
16-30 Years	3.40E-07	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	3.04E-07	1.1	1	1.00	70	0.73	1,000,000	0.0

Total Excess Risk at MEIR (Cumulative, Based on Age at Start of Construction)

Exposure Year	Infant	Child < 2	Child 2<x<16	Adult 16<x<30	Adult 30<x<70
Year 1	0.8	0.7	0.1	0.0	0.0
Year 2	0.6	0.6	0.1	0.0	0.0
Year 3	0.0	0.0	0.0	0.0	0.0
Year 4	0.1	0.1	0.1	0.0	0.0
Year 5-16	0.3	0.3	0.3	0.0	0.0
Year 16-30	0.1	0.1	0.1	0.1	0.1
Total	1.9	1.8	0.6	0.1	0.1

Note: Infant exposure includes infant and child exposure in Year 1

SCENARIO 2 - MITIGATED ON-SITE "RECEPTOR A" DPM RISK CALCS

METHODOLOGY

Dose (Air) = Cair x DBR x A x EF x CF

Where:
- Cair: Chemical concentration in air (µg/m^3)
- DBR: Daily breathing rate (L/kg-day)
- A: Inhalation adsorption factor (unitless)
- EF: Exposure Frequency, days at home / days in year (unitless)
- CF: $10^{\wedge -6}$ Conversion Factor (m^3/L and mg/µg)

Cancer Risk (per million) = Dose (Air) x CPF x ASF x (ED/AT) x FAH x 1,000,000

Where:
- Dose: Dose of chemical in the air (µg/m3)
- CPF: Cancer Potency Factor $(mg/kg\text{-}day)^{-1}$
- ASF: Age Sensitivity Factor
- ED: Exposure Duration (years)
- AT: Averaging Time for lifetime cancer risks
- FAH: Fraction of daily time spent at home / school

Risk Parameter Values by Age Bin

Variable	Residential Age Bin				
	3rd Trimester	0-2 Years	2-16 Years	16-30 Years	30-70 Years
DBR	361	1090	572	261	233
A	1	1	1	1	1
EF	0.96	0.96	0.96	0.96	0.96
CF	1.00E-06	1.00E-06	1.00E-06	1.00E-06	1.00E-06
CPF	1.1	1.1	1.1	1.1	1.1
ASF	10	10	3	1	1
ED	0.25	2	14	14	54
AT	70	70	70	70	70
FAH	0.85	0.85	0.72	0.73	0.73

AERMOD Modeled DPM Concentrations (PMI/MEIR)

	MEIR			PMI		
	Conc.	X	Y	Conc.	X	Y
Year 1 (Const)	0.00929	570125.98	3733918.79			
Year 2 (Const)	0.0119	570125.98	3733918.79			
Year 3 (Const)	0.00683	570125.98	3733918.79			
Year 4 (Const and O	0.0165368	570125.98	3733918.79			
Year 5 - 30 (Ops)	0.00441	570125.98	3733918.79			

Risk Assessment at MEIR

Scenario	AERMOD DPM Conc.	Chronic Hazard Quotient
Year 1 (Con)	0.00929	0.001858
Year 2 (Con)	0.0119	0.00238
Year 3 (Con)	0.00683	0.001366
Year 4 (Con and Ops	0.016536849	0.00330737
Year 5-30 (Ops)	0.00441	0.000882

Year 1 Dose @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
3rd Trimester	0.00929	361	1	0.96	1.00E-06	=	3.22E-06
0-2 Years	0.00929	1090	1	0.96	1.00E-06	=	9.71E-06
2-16 Years	0.00929	572	1	0.96	1.00E-06	=	5.10E-06
16-30 Years	0.00929	261	1	0.96	1.00E-06	=	2.33E-06
30-70 Years	0.00929	233	1	0.96	1.00E-06	=	2.08E-06

Year 1 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
3rd Trimester	3.22E-06	1.1	10	0.25	70	0.85	1,000,000	0.1
0-2 Years	9.71E-06	1.1	10	1.00	70	0.85	1,000,000	1.3
2-16 Years	5.10E-06	1.1	3	1.00	70	0.72	1,000,000	0.2
16-30 Years	2.33E-06	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	2.08E-06	1.1	1	1.00	70	0.73	1,000,000	0.0

Year 2 @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.01190	1090	1	0.96	1.00E-06	=	1.24E-05
2-16 Years	0.01190	572	1	0.96	1.00E-06	=	6.53E-06
16-30 Years	0.01190	261	1	0.96	1.00E-06	=	2.98E-06
30-70 Years	0.01190	233	1	0.96	1.00E-06	=	2.66E-06

Year 2 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	1.24E-05	1.1	10	1.00	70	0.85	1,000,000	1.7
2-16 Years	6.53E-06	1.1	3	1.00	70	0.72	1,000,000	0.2
16-30 Years	2.98E-06	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	2.66E-06	1.1	1	1.00	70	0.73	1,000,000	0.0

Year 3 @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.00683	1090	1	0.96	1.00E-06	=	7.14E-06
2-16 Years	0.00683	572	1	0.96	1.00E-06	=	3.75E-06
16-30 Years	0.00683	261	1	0.96	1.00E-06	=	1.71E-06
30-70 Years	0.00683	233	1	0.96	1.00E-06	=	1.53E-06

Year 3 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	7.14E-06	1.1	10	1.00	70	0.85	1,000,000	1.0
2-16 Years	3.75E-06	1.1	3	1.00	70	0.72	1,000,000	0.1
16-30 Years	1.71E-06	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	1.53E-06	1.1	1	1.00	70	0.73	1,000,000	0.0

Year 4 @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.01654	1090	1	0.96	1.00E-06	=	1.73E-05
2-16 Years	0.01654	572	1	0.96	1.00E-06	=	9.07E-06
16-30 Years	0.01654	261	1	0.96	1.00E-06	=	4.14E-06
30-70 Years	0.01654	233	1	0.96	1.00E-06	=	3.69E-06

Year 4 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	1.73E-05	1.1	10	1.00	70	0.85	1,000,000	2.3
2-16 Years	9.07E-06	1.1	3	1.00	70	0.72	1,000,000	0.3
16-30 Years	4.14E-06	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	3.69E-06	1.1	1	1.00	70	0.73	1,000,000	0.0

Year 5 - 30 Dose @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.00441	1090	1	0.96	1.00E-06	=	4.61E-06
2-16 Years	0.00441	572	1	0.96	1.00E-06	=	2.42E-06
16-30 Years	0.00441	261	1	0.96	1.00E-06	=	1.10E-06
30-70 Years	0.00441	233	1	0.96	1.00E-06	=	9.85E-07

Year 5 - 30 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	4.61E-06	1.1	10	1.00	70	0.85	1,000,000	0.6
2-16 Years	2.42E-06	1.1	3	1.00	70	0.72	1,000,000	0.1
16-30 Years	1.10E-06	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	9.85E-07	1.1	1	1.00	70	0.73	1,000,000	0.0

Total Excess Risk at MEIR (Cumulative, Based on Age at Start of Construction)

Exposure Year	Infant	Child < 2	Child 2<x<16	Adult 16<x<30	Adult 30<x<70
Year 1	1.4	1.3	0.2	0.0	0.0
Year 2	1.7	1.7	0.2	0.0	0.0
Year 3	0.1	0.1	0.1	0.0	0.0
Year 4	0.3	0.3	0.3	0.0	0.0
Year 5-16	1.0	1.0	0.8	0.1	0.1
Year 16-30	0.2	0.2	0.2	0.2	0.2
Total	4.7	4.6	1.9	0.5	0.4

Note: Infant exposure includes infant and child exposure in Year 1

SCENARIO 2 - MITIGATED ON-SITE "RECEPTOR B" DPM RISK CALCS

METHODOLOGY

Dose (Air) = Cair x DBR x A x EF x CF

Where:
- Cair: Chemical concentration in air (µg/m^3)
- DBR: Daily breathing rate (L/kg-day)
- A: Inhalation adsorption factor (unitless)
- EF: Exposure Frequency, days at home / days in year (unitless)
- CF: $10^{\wedge -6}$ Conversion Factor (m^3/L and mg/µg)

Cancer Risk (per million) = Dose (Air) x CPF x ASF x (ED/AT) x FAH x 1,000,000

Where:
- Dose: Dose of chemical in the air (µg/m3)
- CPF: Cancer Potency Factor $(mg/kg\text{-}day)^{-1}$
- ASF: Age Sensitivity Factor
- ED: Exposure Duration (years)
- AT: Averaging Time for lifetime cancer risks
- FAH: Fraction of daily time spent at home / school

Risk Parameter Values by Age Bin

Variable	Residential Age Bin				
	3rd Trimester	0-2 Years	2-16 Years	16-30 Years	30-70 Years
DBR	361	1090	572	261	233
A	1	1	1	1	1
EF	0.96	0.96	0.96	0.96	0.96
CF	1.00E-06	1.00E-06	1.00E-06	1.00E-06	1.00E-06
CPF	1.1	1.1	1.1	1.1	1.1
ASF	10	10	3	1	1
ED	0.25	2	14	14	54
AT	70	70	70	70	70
FAH	0.85	0.85	0.72	0.73	0.73

AERMOD Modeled DPM Concentrations (PMI/MEIR)

	MEIR			PMI		
	Conc.	X	Y	Conc.	X	Y
Year 1 (Const)	0.01648	570833.72	3733962.79			
Year 2 (Const)	0.00977	570833.72	3733962.79			
Year 3 (Const and O	0.0041571	570833.72	3733962.79			
Year 4 (Ops)	0.0053	570833.72	3733962.79			
Year 5 - 30 (Ops)	0.0053	570833.72	3733962.79			

Risk Assessment at MEIR

Scenario	AERMOD DPM Conc.	Chronic Hazard Quotient
Year 1 (Con)	0.01648	0.003296
Year 2 (Con)	0.00977	
Year 3 (Con)	0.004157123	
Year 4 (Con and Ops	0.0053	0.00106
Year 5-30 (Ops)	0.00530	0.00106

Year 1 Dose @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
3rd Trimester	0.01648	361	1	0.96	1.00E-06	=	5.70E-06
0-2 Years	0.01648	1090	1	0.96	1.00E-06	=	1.72E-05
2-16 Years	0.01648	572	1	0.96	1.00E-06	=	9.04E-06
16-30 Years	0.01648	261	1	0.96	1.00E-06	=	4.12E-06
30-70 Years	0.01648	233	1	0.96	1.00E-06	=	3.68E-06

Year 1 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
3rd Trimester	5.70E-06	1.1	10	0.25	70	0.85	1,000,000	0.2
0-2 Years	1.72E-05	1.1	10	1.00	70	0.85	1,000,000	2.3
2-16 Years	9.04E-06	1.1	3	1.00	70	0.72	1,000,000	0.3
16-30 Years	4.12E-06	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	3.68E-06	1.1	1	1.00	70	0.73	1,000,000	0.0

Year 2 @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.00977	1090	1	0.96	1.00E-06	=	1.02E-05
2-16 Years	0.00977	572	1	0.96	1.00E-06	=	5.36E-06
16-30 Years	0.00977	261	1	0.96	1.00E-06	=	2.45E-06
30-70 Years	0.00977	233	1	0.96	1.00E-06	=	2.18E-06

Year 2 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	1.02E-05	1.1	10	1.00	70	0.85	1,000,000	1.4
2-16 Years	5.36E-06	1.1	3	1.00	70	0.72	1,000,000	0.2
16-30 Years	2.45E-06	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	2.18E-06	1.1	1	1.00	70	0.73	1,000,000	0.0

Year 3 @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.00416	1090	1	0.96	1.00E-06	=	4.35E-06
2-16 Years	0.00416	572	1	0.96	1.00E-06	=	2.28E-06
16-30 Years	0.00416	261	1	0.96	1.00E-06	=	1.04E-06
30-70 Years	0.00416	233	1	0.96	1.00E-06	=	9.29E-07

Year 3 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	4.35E-06	1.1	10	1.00	70	0.85	1,000,000	0.6
2-16 Years	2.28E-06	1.1	3	1.00	70	0.72	1,000,000	0.1
16-30 Years	1.04E-06	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	9.29E-07	1.1	1	1.00	70	0.73	1,000,000	0.0

Year 4 @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.00530	1090	1	0.96	1.00E-06	=	5.54E-06
2-16 Years	0.00530	572	1	0.96	1.00E-06	=	2.91E-06
16-30 Years	0.00530	261	1	0.96	1.00E-06	=	1.33E-06
30-70 Years	0.00530	233	1	0.96	1.00E-06	=	1.18E-06

Year 4 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	5.54E-06	1.1	10	1.00	70	0.85	1,000,000	0.7
2-16 Years	2.91E-06	1.1	3	1.00	70	0.72	1,000,000	0.1
16-30 Years	1.33E-06	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	1.18E-06	1.1	1	1.00	70	0.73	1,000,000	0.0

Year 5 - 30 Dose @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.00530	1090	1	0.96	1.00E-06	=	5.54E-06
2-16 Years	0.00530	572	1	0.96	1.00E-06	=	2.91E-06
16-30 Years	0.00530	261	1	0.96	1.00E-06	=	1.33E-06
30-70 Years	0.00530	233	1	0.96	1.00E-06	=	1.18E-06

Year 5 - 30 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	5.54E-06	1.1	10	1.00	70	0.85	1,000,000	0.7
2-16 Years	2.91E-06	1.1	3	1.00	70	0.72	1,000,000	0.1
16-30 Years	1.33E-06	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	1.18E-06	1.1	1	1.00	70	0.73	1,000,000	0.0

Total Excess Risk at MEIR (Cumulative, Based on Age at Start of Construction)

Exposure Year	Infant	Child < 2	Child 2<x<16	Adult 16<x<30	Adult 30<x<70
Year 1	2.5	2.3	0.3	0.0	0.0
Year 2	1.4	1.4	0.2	0.0	0.0
Year 3	0.1	0.1	0.1	0.0	0.0
Year 4	0.1	0.1	0.1	0.0	0.0
Year 5-16	1.2	1.2	1.0	0.2	0.1
Year 16-30	0.2	0.2	0.2	0.2	0.2
Total	5.4	5.2	1.9	0.5	0.4

Note: Infant exposure includes infant and child exposure in Year 1

GASOLINE DISPENSING SERVICE STATION

(Procedure Version 8.1 & Package N, September 1, 2017) - Risk Tool V1.105

AN:

Facility Name: Oasis - Gas Station Off-site

Deem Complete Date: 11/30/2023

Storage Tank Type	Underground		MET Station	Desert Hot Springs Airpor	
Annual Throughput	2	million gallons /year	Distance to Resident	800	meter
T-BACT	YES		Distance to Commercial		meter

MICR Calculation: MICR = MICR per 1 Million gallons/yr x Annual Throughput (Million gallons/yr)

HIA & HIC Calculation: Negligible compared to Cancer risk and is not calculated.

MICR Result

	Resident	Commercial
MICR	0.040	0.650
MICR ≤ 10	**PASS**	**PASS**

Interpolation for MICR from Nearest Distances

	Residential			**Commercial**		
	near	**actual**	far	near	**actual**	far
Distance (meter)	500	**800**	1000	800		25
MICR (per 1 million gasoline gallon throughput per year)	0.035	**0.0200**	0.010	0.003	**0.325**	0.315

Look up from Table 12 - MICR for Underground Storage Tank

		Downwind Distance (m)							
Station	**Receptor**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
Desert Hot Springs Airport	Resident	3.820	1.553	0.848	0.540	0.163	0.082	0.035	0.010
	Commercial	0.315	0.128	0.070	0.045	0.013	0.007	0.003	0.001

GASOLINE DISPENSING SERVICE STATION

(Procedure Version 8.1 & Package N, September 1, 2017) - Risk Tool V1.105

AN:

Facility Name: Oasis - Gas MBS A&B, S2 A

Deem Complete Date: 11/30/2023

Storage Tank Type	Underground		MET Station	Desert Hot Springs Airpor	
Annual Throughput	2	million gallons /year	Distance to Resident	750	meter
T-BACT	YES		Distance to Commercial		meter

MICR Calculation: MICR = MICR per 1 Million gallons/yr x Annual Throughput (Million gallons/yr)

HIA & HIC Calculation: Negligible compared to Cancer risk and is not calculated.

MICR Result

	Resident	Commercial
MICR	0.045	0.652
MICR ≤ 10	**PASS**	**PASS**

Interpolation for MICR from Nearest Distances

	Residential			**Commercial**		
	near	**actual**	far	near	**actual**	far
Distance (meter)	500	**750**	1000	750		25
MICR (per 1 million gasoline gallon throughput per year)	0.035	**0.0225**	0.010	0.003	**0.326**	0.315

Look up from Table 12 - MICR for Underground Storage Tank

		Downwind Distance (m)							
Station	**Receptor**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
Desert Hot Springs Airport	Resident	3.820	1.553	0.848	0.540	0.163	0.082	0.035	0.010
	Commercial	0.315	0.128	0.070	0.045	0.013	0.007	0.003	0.001

GASOLINE DISPENSING SERVICE STATION

(Procedure Version 8.1 & Package N, September 1, 2017) - Risk Tool V1.105

AN:

Facility Name: Oasis - Gas S2 B

Deem Complete Date: 11/30/2023

Storage Tank Type	Underground		MET Station	Desert Hot Springs Airpor	
Annual Throughput	2	million gallons /year	Distance to Resident	100	meter
T-BACT	YES		Distance to Commercial		meter

MICR Calculation: MICR = MICR per 1 Million gallons/yr x Annual Throughput (Million gallons/yr)

HIA & HIC Calculation: Negligible compared to Cancer risk and is not calculated.

MICR Result

	Resident	Commercial
MICR	1.080	0.810
MICR ≤ 10	**PASS**	**PASS**

Interpolation for MICR from Nearest Distances

	Residential			**Commercial**		
	near	**actual**	far	near	**actual**	far
Distance (meter)	100	**100**	200	100		25
MICR (per 1 million gasoline gallon throughput per year)	0.540	**0.5400**	0.163	0.045	**0.405**	0.315

Look up from Table 12 - MICR for Underground Storage Tank

		Downwind Distance (m)							
Station	**Receptor**	**25**	**50**	**75**	**100**	**200**	**300**	**500**	**1000**
Desert Hot Springs Airport	Resident	3.820	1.553	0.848	0.540	0.163	0.082	0.035	0.010
	Commercial	0.315	0.128	0.070	0.045	0.013	0.007	0.003	0.001

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