

Appendices

Appendix C Air Quality/GHG Analysis Study

Appendices

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AIR QUALITY IMPACT ANALYSIS

RANCHO SAN GORGONIO SPECIFIC PLAN
CITY OF BANNING, RIVERSIDE COUNTY, CALIFORNIA

LSA

April 2016

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AIR QUALITY IMPACT ANALYSIS

RANCHO SAN GORGONIO SPECIFIC PLAN
CITY OF BANNING, RIVERSIDE COUNTY, CALIFORNIA

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APPENDICES

A: CALEEMOD MODEL PRINTOUTS

B: CALINE4 MODEL PRINTOUTS

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LIST OF ABBREVIATIONS AND ACRONYMS

AB	Assembly Bill
°F	degrees Fahrenheit
µg/m ³	micrograms per cubic meter
AAQS	ambient air quality standards
ac	acres
AQMP	Air Quality Management Plan
AR4	Fourth Assessment Report
ARB	California Air Resources Board
ATCM	Airborne Toxic Control Measure
BACM	best available control measures
BACT	best available control technology
Basin	South Coast Air Basin
CAA	Clean Air Act
CAAQS	California ambient air quality standards
CalEEMod	California Emission Estimator Model
CalEPA	California Environmental Protection Agency
CALGreen	California Green Building Standards Code
CAP	Climate Action Plan
CAT	Climate Action Team
CC&Rs	covenants, conditions and restrictions
CCAA	California Clean Air Act
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CH ₄	methane
City	City of Banning
CO	carbon monoxide
CO ₂	carbon dioxide
CO ₂ e	carbon dioxide equivalent
County	Riverside County
CPUC	California Public Utilities Commission
CVC	California Vehicle Code
Diesel RRP	Diesel Risk Reduction Plan
DPM	diesel particulate matter
EO	Executive Order
EPA	United States Environmental Protection Agency
g/L	grams per liter
GCC	global climate change
GHG	greenhouse gas
GWP	global warming potential
H ₂ S	hydrogen sulfide

HFCs	hydrofluorocarbons
HP	horsepower
HVAC	heating, ventilation and air conditioning
IAQ	indoor air quality
IPCC	Intergovernmental Panel on Climate Change
lbs	pounds
lbs/day	pounds per day
LDR	Low Density Residential
LED	light-emitting diode
LEED	Leadership in Energy and Environmental Design
LID	Low Impact Development
LST	localized significance threshold
m	meters
mg/m ³	milligrams per cubic meter
MHDR	Medium-High Density Residential
mi	miles
MMT	million metric tons
MMT CO ₂ e	million metric tons of carbon dioxide equivalent
mpg	miles per gallon
mph	miles per hour
MPO	Metropolitan Planning Organization
MT	metric tons
MT CO ₂ e	metric tons of carbon dioxide equivalent
MT CO ₂ e/yr	metric tons of carbon dioxide equivalent per year
MW	megawatts
N ₂ O	nitrous oxide
NAAQS	national ambient air quality standards
NEV	New Energy Vision
NHTSA	National Highway Traffic Safety Administration
NO	nitric oxide
NO ₂	nitrogen dioxide
NOA	naturally occurring asbestos
NO _x	nitrogen oxides
O ₃	ozone
OMB	White House Office of Management and Budget
OPR	Office of Planning and Research
PA	Planning Area
PFCs	perfluorocarbons
PM ₁₀	particulate matter with a diameter of 10 microns or less
PM _{2.5}	particulate matter with a diameter of 2.5 microns or less
ppm	parts per million
PRC	Public Resource Code
PV	photovoltaic

RMS	root-mean-square
ROCs	reactive organic compounds
ROGs	reactive organic gases
RPS	Renewable Portfolio Standard
RTP	Regional Transportation Plan
SB	Senate Bill
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCS	Sustainable Communities Strategy
SF ₆	sulfur hexafluoride
SIP	State Implementation Plan
SO ₂	sulfur dioxide
SONGS	San Onofre Nuclear Generating Station
SOX	sulfur oxides
SP	Service Population
SRA	Source Receptor Area
TACs	toxic air contaminants
tpy	tons per year
UNFCCC	United Nations Framework Convention on Climate Change
Updated Scoping Plan	First Update to the Climate Change Scoping Plan
USGBC	United States Green Building Council
VMT	vehicle miles traveled
VOCs	volatile organic compounds
WRCOG	Western Riverside Council of Governments
ZEV	zero-emission vehicle

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1.0 EXECUTIVE SUMMARY

This air quality analysis provides a discussion of the proposed Rancho San Gorgonio Specific Plan (proposed project), located in the City of Banning (City) in Riverside County (County). It provides a discussion of the proposed project, the physical setting of the project area, and the regulatory framework for air quality. The analysis provides data on existing air quality, evaluates potential air quality impacts associated with the proposed project, and identifies mitigation measures. Modeled air quality levels are based on project vehicle data and project trip generation rates identified in the *Traffic Impact Analysis (Revised)* prepared for the proposed land uses (Kunzman Associates, Inc. 2016).

The project site consists of approximately 831 acres of currently undeveloped land and is generally located east of Sunset Avenue, south of Westward Avenue, and west of San Gorgonio Avenue/Old Idyllwild Road in the City of Banning.

The evaluation was prepared in conformance with appropriate standards, utilizing procedures and methodologies in the South Coast Air Quality Management District (SCAQMD) *CEQA Air Quality Handbook* (SCAQMD 1993). Air quality data posted on the California Air Resources Board (ARB) and United States Environmental Protection Agency (EPA) websites are included to document the local air quality environment.

Criteria pollutant emissions during project construction, calculated with California Emission Estimator Model (CalEEMod), and incorporating all required control measures from the SCAQMD and the City, would exceed the SCAQMD emission thresholds for reactive organic gases (ROG) and nitrogen oxides (NO_x). With the identified mitigation measures, construction emissions would be reduced to less than significant. The proposed project would not exceed the localized significance thresholds (LSTs) that were developed to assess localized air quality impacts associated with projects proposed in different subareas.

Long-term operational emissions associated with the proposed project, also calculated with CalEEMod, would exceed the SCAQMD daily thresholds for ROG, NO_x, carbon monoxide (CO), coarse particulate matter with a diameter of 10 microns or less (PM₁₀), and fine particulate matter with a diameter of 2.5 microns or less (PM_{2.5}), and, as insufficient mitigation measures have been identified, would be significant and unavoidable. LSTs would not be exceeded by long-term emissions from the operation of the project. Localized impacts from vehicle trips generated by the proposed project were assessed for the potential to create CO hot spots. These hot spots are elevated concentrations of CO that have the potential to be harmful to human health. The proposed project was found to not result in significant impacts related to CO concentrations at intersections in the project vicinity.

The proposed Specific Plan would require a General Plan Amendment to allow the land uses as contained in the approved Rancho San Gorgonio Specific Plan. In addition, the proposed project would exceed several SCAQMD emission thresholds during operation. Therefore, the emissions

associated with occupation and use of the project are expected to exceed the General Plan projections and could contribute to air quality deterioration beyond current SCAQMD projections, and mitigation is required. Therefore, the proposed project will not be consistent with the regional Air Quality Management Plan (AQMP).

The potential of the project to affect global climate change (GCC) is also included in this analysis. Short-term construction and long-term operational emissions of the principal greenhouse gases (GHGs), including carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O) are quantified, and significance relative to Assembly Bill (AB) 32 and the City's General Plan is discussed. The proposed project will not conflict with any applicable plan, policy, or regulation adopted for the purpose of reducing GHG emissions; however, based on exceeding the interim draft SCAQMD GHG performance targets, the proposed project would have significant unavoidable adverse impacts related to GCC.

2.0 PROJECT DESCRIPTION

2.1 PROJECT LOCATION AND SITE DESCRIPTION

The project site consists of 831 acres (ac) of currently undeveloped land and is generally located east of Sunset Avenue, south of Westward Avenue, and west of San Gorgonio Avenue/Old Idyllwild Road in the City of Banning. It should be noted that the project is partially within the jurisdiction of the County of Riverside and coordination with the County is required for annexation purposes.

2.2 PROJECT CHARACTERISTICS

2.2.1 Proposed Development

The proposed development consists of 42 planning areas. Figure 1 shows the project location and Figure 2 illustrates the site plan. The project site is proposed to be developed with the land uses described in Table A.

Table A: Proposed Project Development Land Use

Land Use	Quantity	Units
Single-Family Detached Residential	1,449	DU
Multi-Family Residential	931	DU
Senior Adult Housing (Detached)	754	DU
Neighborhood Commercial ¹	101,604	TSF
Elementary School	800	Students
Community Park	25.0	AC

¹ The neighborhood commercial site (PA 9) has an overlay option that would allow up to 168 dwelling units. It has been determined that a neighborhood commercial shopping center would generate more vehicle trips. Therefore, the neighborhood commercial option has been analyzed to provide a maximum likely scenario.

AC = acres

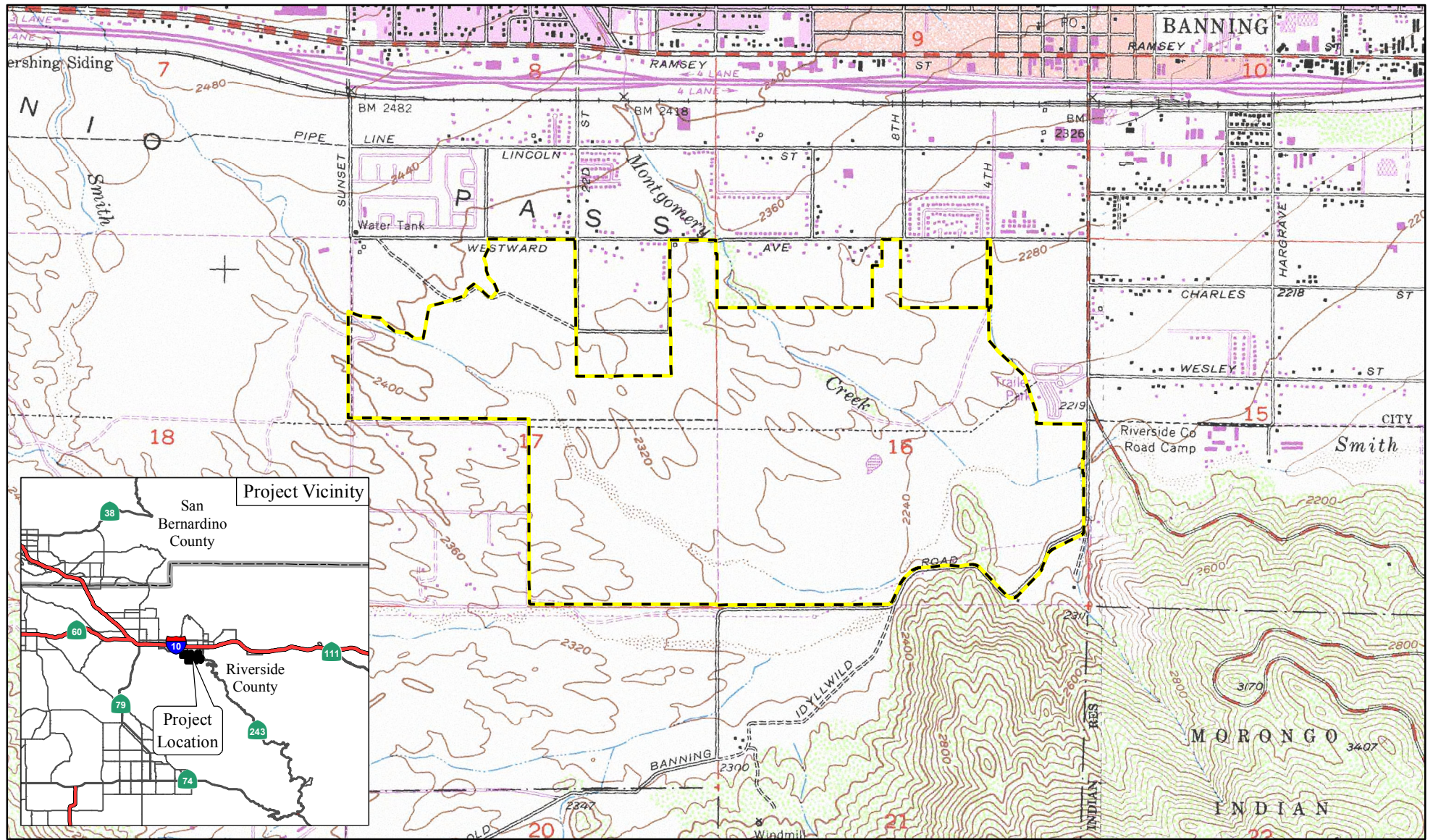
DU = dwelling units

TSF = thousand square feet

2.2.2 Phasing

For purposes of evaluating the traffic impacts at different stages of development, the project has been divided into six phases. Based on the best estimate of absorption rates, Phase 1 is anticipated to be complete by 2017, Phase 2 by 2019, Phase 3 by 2022, Phase 4 by 2025, and Phase 5 by 2029. The project buildout (Phase 6) is anticipated to be complete by 2035.

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LEGEND

Project Boundary



0 1000 2000
FEET

SOURCE: USGS 7.5' Quad., *Beaumont, CA* (1988)

I:\PIE1201B\GIS\ProjectLocation.mxd (3/25/2014)

FIGURE 1

Rancho San Gorgonio Specific Plan
Project Location

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2.3 CONSERVATION AND SUSTAINABILITY FEATURES

Given the location of the Specific Plan site and its proximity to developed areas of the City of Banning, the Rancho San Gorgonio Specific Plan is making an effort to reduce its impact on the environment and create opportunities for establishment of a community that is focused on meeting residents' needs. The sustainable community design strategies identified within the Rancho San Gorgonio Specific Plan are designed to provide a responsible and sensitive land plan respecting the prominent features of the site.

2.3.1 Site Planning/Neighborhood Design

The Rancho San Gorgonio Specific Plan incorporates numerous sustainable community design site planning strategies that contribute toward the overall goals of the project. Sustainable site planning approaches relate to site, landscape, and building design, including optimizing building orientation; reducing potable water use for landscaping irrigation; implementing shade strategies; encouraging alternative modes of transportation; and promoting use of photovoltaic arrays on building roofs or parking lot shade structures.

Sustainable Community Design Strategies for Site Planning within Rancho San Gorgonio include:

- **Land Use Pattern**

- Development of a mobility network that complements the topography of the site and provides numerous pathways for vehicular and non-vehicular travel through the use of an interconnected street system, pedestrian trails and pathways, and neighborhood electric vehicle travel ways.
- Prohibition of development within the significant creek areas and floodplains on site and integrate appropriate setbacks/buffers and passive recreational amenities within these areas into the land use plan.
- Allow for multi-generational housing within appropriate residential areas of the plan.
- Develop land uses that provide opportunities for a variety of building types, uses, and densities that accommodate a variety of populations and generations within the City and region.

- **Walkability/Mobility**

- Promote walkable streets through the use of sidewalks at least 5 feet (ft) wide along the major roadways and at least 4 feet wide within residential areas.
- Provide access to public and common use spaces (parks, trails, and open spaces) within 0.25- to 0.5-mile (mi) walking distance to the residential neighborhoods within the Specific Plan through project-wide trail and paseo systems.
- Prioritize pedestrian mobility as a primary transportation mode, which will reduce transportation-related GHG emissions.
- Integrate final development plans for the project with existing and proposed public transportation infrastructure (transit stops/routes) that connect the Specific Plan area to other developed areas of the City and Pass area. Provide transit stop locations within the project

that are conveniently accessed and able to support a large proportion of the residents of the development.

- Include bicycle storage facilities into new multifamily residential, commercial, and community uses, and integrate bicycle paths/trails into the circulation network.
- Integrate travel ways for low speed and neighborhood electric vehicles into the circulation system.
- Integrate equestrian riding trails and staging facilities into the circulation network, public use areas, and the very low density residential areas.
- Improve physical and mental health and social capital by providing a variety of recreational facilities to facilitate physical activity and social networking.
- Allow for the use of roundabouts at the local street level as an alternative to the 4-way stop-controlled intersections for pedestrian safety.

- **Solar Orientation**

- At the Planning Area level, develop ultimate site layouts to accommodate solar orientation.
- Promote building orientation that considers the following:
 - Use of northern and southern building exposure for daylighting purposes;
 - Ensure south-facing windows are properly shaded to reduce heat gain into building interiors;
 - Minimize east- and west-facing windows unless shaded; and
 - Place landscaping within appropriate locations to provide adequate shading and wind protection (depending on prevailing wind conditions and solar orientation).

2.3.2 Energy Efficiency

Development within the Rancho San Gorgonio Specific Plan is required to be energy-efficient, using various energy conservation and generation practices including strategies and techniques that are at least equal to the California Green Building Standards Code (CALGreen) and California Energy Code of Title 24. New electric, natural gas, and communication lines will be constructed to all of the most recent applicable codes and requirements, providing appropriate services to serve the new community. As part of the electrical system, the planning areas within the Rancho San Gorgonio Specific Plan will be designed to use and generate renewable energy on site to the extent feasible through a commitment to the use of solar/photovoltaic (PV) systems as discussed below. A robust green building program for all new buildings will reduce reliance on traditional energy sources.

Sustainable Community Design Strategies for Energy Efficiency within Rancho San Gorgonio include the following elements:

- Design to United States Green Building Council (USGBC) Leadership in Energy and Environmental Design (LEED), GreenPoint Rated standards, or better is a requirement for all new buildings constructed within the Rancho San Gorgonio Specific Plan, and exceeding the most current Title 24 energy efficiency and CALGreen building standards;

- Installation of energy-efficient light-emitting diode (LED) lighting and incorporation of solar photovoltaic lighting fixtures in common areas of the site where feasible;
- Installation of energy-efficient appliances (Energy Star or equivalent) and high-efficiency heating, ventilation and air conditioning (HVAC) systems within residences and businesses of the proposed development;
- Promote green building techniques that increase building energy efficiency exceeding the minimum requirements of Title 24;
- Utilize light-colored materials, but not reflective, for paving and roofing materials; and
- Require single-family residential builders to offer pre-wired homes for PV as an option. Builders of attached housing shall provide PV systems to offset a portion of the common area energy demand of any attached housing type proposed for construction in the Rancho San Gorgonio Specific Plan.

2.3.3 Water Efficiency

The Rancho San Gorgonio Specific Plan employs a multi-faceted approach to water efficiency. The Rancho San Gorgonio Specific Plan proposes the efficient use of potable water through mandated building and site design requirements. In addition, Specific Plan proposes an on-site recycled water distribution system and can accommodate a water reclamation treatment facility if necessary, to create non-potable water supplies.

Sustainable Community Design Strategies for Water Efficiency within Rancho San Gorgonio include:

- Reduce potable water demand throughout the Rancho San Gorgonio Specific Plan by utilizing appropriate landscaping, non-potable recycled water for large common area irrigation purposes (when available), and high efficiency plumbing fixtures and appliances;
- Utilize high-efficiency plumbing and fixtures that meet or exceed the CALGreen code (most current adopted version);
- Utilize efficient irrigation controls to reduce water demand on landscaped areas throughout the project;
- Reduce the amount of irrigated turf in parks to those uses dependent upon turf areas;
- Design for efficient outdoor water use within common area landscaping through plant selection and efficient irrigation systems; and
- Support the development of recycled water supplies in the City of Banning and the Rancho San Gorgonio Specific Plan, which will achieve the goal of reducing the overall consumption of potable water from the municipal supply.

2.3.4 Materials Efficiency

A sustainable approach to materials selection typically includes the use of recycled or reused, and locally-produced or harvested materials. Although there are no existing structures on site that may be reused, the Specific Plan encourages the use of locally sourced materials for any construction that

occurs on site as a means of reducing transportation-related GHG emissions. Sustainable Community Design Strategies for Materials Efficiency within Rancho San Gorgonio include:

- Materials used for buildings, landscape, and infrastructure will be chosen with a preference for the following characteristics:
 - Rapidly renewable;
 - Increased recycled content (50% or greater);
 - Locally sourced materials (within South Coast Air Basin [Basin]);
 - Utilization of sustainable harvesting practices; and
 - Materials with low or no volatile organic compounds (VOCs) or offgassing.
- New building construction practices will incorporate on-site and/or off-site separation of solid wastes, recyclable paper, plastic, glass and metal objects, and compostable organic materials, which will be compatible with municipal recycling services and are designed to achieve the statewide goal of 75 percent diversion of solid waste from landfills.

2.3.5 Healthy Living Environment

Since an important aspect of building design is the interaction between the residents and their environment, the design of a building should take resident health, safety, and welfare into account. Design teams (architects, engineers, and designers) should engage in an integrated design approach that focuses on building healthy environments that are safe for residents throughout a building's life cycle: planning, design, construction, operations and maintenance, renovation, and final disposal.

Sustainable Community Design Strategies for healthy living within Rancho San Gorgonio include the following strategies to be implemented at the builder level:

- Construct buildings on site that reduce exposure to hazardous materials (e.g., volatile organic compounds [VOC] and formaldehyde, carcinogens, and endocrine disrupting chemicals);
- Require the use of building materials that use low VOC paints and coverings, flooring, and cabinetry that does not contain formaldehyde or other hazardous chemicals;
- Provide good indoor air quality (IAQ) and adequate ventilation within commercial and residential buildings constructed on site;
- Implement a green operations and maintenance program for all publicly accessible spaces (commercial development, public plazas, parks, etc.) that reduces or eliminates the use of hazardous/toxic chemicals;
- Incorporate universal design techniques and strategies into each Planning Area, whereby the widest spectrum of people, regardless of age or ability can more easily participate in community life; and
- Promote the reduction of light pollution through the use of automatic controls on exterior lighting, shielding to prevent light spillover, and lighting technologies that reduce glare and light pollution affecting night sky access and impacts to wildlife environments.

2.3.6 Sustainable Landscape Design

Landscaping within Rancho San Gorgonio Specific Plan will complement the surrounding environment as well as provide areas for outdoor enjoyment and activity. The plant palette proposed for the Specific Plan identifies appropriate plant types that have low water requirements, reduce turf, and provide shade, and which reduces the urban heat island effect. In conjunction with the proposed landscape design, the Rancho San Gorgonio Specific Plan proposes the use of Low Impact Development (LID) techniques to control storm water flows on site as listed below. LID is an ecologically friendly approach to site development and storm water management that aims to mitigate development impacts to land, water, and air. The approach emphasizes the integration of site design and planning techniques that conserve natural systems and hydrologic functions on a site.

Sustainable Community Design Strategies for Landscape Design within Rancho San Gorgonio include:

- Utilize native plant choices to the greatest extent possible throughout the development that complement the existing natural flora and fauna found in the area.
- Develop a plant palette that focuses on shading within the developed portions of the site and in those areas of pedestrian activity. An increase in shading within the development will promote greater walkability and reduce the urban heat island effect. Both of these will assist in the reduction of GHG emissions associated with the proposed development.
- Promote the development of tree-lined streets to encourage walking, biking, and transit use, and reduce urban heat island effects.
- Eliminate turf throughout the development to the greatest extent possible. Utilizing artificial turf and/or xeriscaping where practical to reduce water demand and be responsive to existing climatic conditions within the project area.
- Reduce the heat island effect through the minimization of impervious surfaces and incorporation of landscaping within the development that provides adequate shading of developed areas within five years of occupancy.
- Use Sustainable Community Design Strategies for LID within Rancho San Gorgonio, including:
 - Preserve open space and minimize land disturbance within the main creek areas of the Specific Plan, which reduces impacts to local terrestrial plants and animals and preserves the integrity of the ecological and biological systems within these areas.
 - Incorporate natural site elements e.g., (significant creeks, drainage corridors, and rock outcroppings in southeast corner of site) as design features; and protect natural systems and processes (e.g., drainage ways, vegetation, and soils) in these areas.
 - Reduce municipal infrastructure and utility maintenance costs (e.g., streets, curbs, gutters, sidewalks, and storm sewer) by reexamining the use and sizing of traditional site infrastructure (e.g., lots, streets, curbs, gutters, and sidewalks) and customizing infrastructure design to each planning area.
 - Incorporate decentralized and micromanaged storm water and/or water quality facilities close to the source within each planning area, protecting site and regional water quality by reducing sediment and nutrient loads to water bodies on site and downstream.

- Construct water quality swales for drainage purposes within private development areas and street rights-of-way where grades permit.
- Mimic the predevelopment site hydrology by using site design techniques that store, infiltrate, evaporate, and retain runoff to reduce off-site runoff and facilitate groundwater recharge (where practical).
- Ensure that receiving waters experience fewer negative impacts in the volume, frequency, and quality of runoff, by maintaining base flows and more closely approximating redevelopment runoff conditions.

2.3.7 Sustainable Storm Water Management/Storm Water Quality

The Specific Plan identifies a variety of features that are intended to accommodate storm water conveyance facilities and water quality treatment facilities designed to improve water quality on-site from drainage runoff and limit downstream water quality impairments from the proposed development. The Specific Plan requires implementation of an integrated storm water collection and conveyance system designed to treat and convey development-related runoff; provide 100-year flood protection to flood-prone areas; increase groundwater recharge (where practical) through on-site retention basins, as well as improve water quality on site and downstream through on-site water quality basins and swales. The LID strategies listed above are also to be implemented to further water quality goals.

3.0 SETTING

3.1 EXISTING ENVIRONMENTAL SETTING

The project site is located in the non-desert portion of Riverside County, California, which is part of the Basin and is under the jurisdiction of the SCAQMD. The air quality assessment for the proposed project includes estimating emissions associated with long-term operation of the proposed project.

A number of air quality modeling tools are available to assess the air quality impacts of projects. In addition, certain air districts, such as the SCAQMD, have created guidelines and requirements to conduct air quality analyses. The SCAQMD's current guidelines, included in its *CEQA Air Quality Handbook* (1993) and associated updates, were adhered to in the assessment of air quality impacts for the proposed project.

3.1.1 Regional Air Quality

Both the State of California and the Federal Government have established health-based ambient air quality standards (AAQS) for seven air pollutants. As shown in Table B, these pollutants include ozone (O₃), CO, nitrogen dioxide (NO₂), sulfur dioxide (SO₂), PM₁₀, PM_{2.5}, and lead. In addition, the State has set standards for sulfates, hydrogen sulfide, vinyl chloride, and visibility-reducing particles. These standards are designed to protect the health and welfare of the populace with a reasonable margin of safety.

In addition to setting out primary and secondary AAQS, the State of California has established a set of episode criteria for O₃, CO, NO₂, SO₂, and PM₁₀. These criteria refer to episode levels representing periods of short-term exposure to air pollutants that actually threaten public health. Health effects are progressively more severe as pollutant levels increase from Stage One to Stage Three. An alert level is that concentration of pollutants at which in the initial stage, the control actions are to begin. An alert will be declared when any one of the pollutant alert levels is reached at any monitoring site and meteorological conditions are such that the pollutant concentrations can be expected to remain at these levels for 12 or more hours or to increase, or as in the case of oxidants, the situation is likely to recur within the next 24 hours unless control actions are taken.

Pollutant alert levels:

- **O₃:** 392 micrograms per cubic meter (µg/m³) (0.20 parts per million [ppm]), 1-hour average.
- **CO:** 17 milligrams per cubic meter (mg/m³) (15 ppm), 8-hour average.
- **NO₂:** 1,130 µg/m³ (0.6 ppm) 1-hour average; 282 µg/m³ (0.15 ppm) 24-hour average.
- **SO₂:** 800 µg/m³ (0.3 ppm), 24-hour average.
- **Particulates, measured as PM₁₀:** 350 µg/m³, 24-hour average.

Table B: Ambient Air Quality Standards

Pollutant	Averaging Time	California Standards ¹		Federal Standards ²		
		Concentration ³	Method ⁴	Primary ^{3,5}	Secondary ^{3,6}	Method ⁷
Ozone (O ₃) ⁸	1-Hour	0.09 ppm (180 µg/m ³)	Ultraviolet Photometry	—	Same as Primary Standard	Ultraviolet Photometry
	8-Hour	0.070 ppm (137 µg/m ³)		0.070 ppm (137 µg/m ³)		
Respirable Particulate Matter (PM ₁₀) ⁹	24-Hour	50 µg/m ³	Gravimetric or Beta Attenuation	150 µg/m ³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m ³		—		
Fine Particulate Matter (PM _{2.5}) ⁹	24-Hour	No Separate State Standard		35 µg/m ³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m ³	Gravimetric or Beta Attenuation	12.0 µg/m ³	15.0 µg/m ³	
Carbon Monoxide (CO)	8-Hour	9.0 ppm (10 mg/m ³)	Non-Dispersive Infrared Photometry (NDIR)	9 ppm (10 mg/m ³)	None	Non-Dispersive Infrared Photometry (NDIR)
	1-Hour	20 ppm (23 mg/m ³)		35 ppm (40 mg/m ³)		
	8-Hour (Lake Tahoe)	6 ppm (7 mg/m ³)		—	—	—
Nitrogen Dioxide (NO ₂) ¹⁰	Annual Arithmetic Mean	0.030 ppm (57 µg/m ³)	Gas Phase Chemiluminescence	0.053 ppm (100 µg/m ³)	Same as Primary Standard	Gas Phase Chemiluminescence
	1-Hour	0.18 ppm (339 µg/m ³)		100 ppb (188 µg/m ³)	—	
Sulfur Dioxide (SO ₂) ¹¹	Annual Arithmetic Mean	—	Ultraviolet Fluorescence	0.030 ppm (for certain areas) ¹¹	—	Ultraviolet Fluorescence; Spectrophotometry (Pararosaniline Method)
	24-Hour	0.04 ppm (105 µg/m ³)		0.14 ppm (for certain areas) ¹¹	—	
	3-Hour	—		—	0.5 ppm (1300 µg/m ³)	
	1-Hour	0.25 ppm (655 µg/m ³)		75 ppb (196 µg/m ³)	—	
Lead ^{12,13}	30-Day Average	1.5 µg/m ³	Atomic Absorption	—	—	High-Volume Sampler and Atomic Absorption
	Calendar Quarter	—		1.5 µg/m ³ (for certain areas) ¹³	Same as Primary Standard	
	Rolling 3-Month Average ¹¹	—		0.15 µg/m ³		
Visibility-Reducing Particles ¹⁴	8-Hour	See footnote 14	Beta Attenuation and Transmittance through Filter Tape	No Federal Standards		
Sulfates	24-Hour	25 µg/m ³	Ion Chromatography			
Hydrogen Sulfide	1-Hour	0.03 ppm (42 µg/m ³)	Ultraviolet Fluorescence			
Vinyl Chloride ¹²	24-Hour	0.01 ppm (26 µg/m ³)	Gas Chromatography			

Source: Ambient Air Quality Standards (ARB 2015b).

Footnotes are provided on the following page.

Footnotes:

- ¹ California standards for O₃; carbon monoxide (except Lake Tahoe); sulfur dioxide (1- and 24-hour); nitrogen dioxide; suspended particulate matter - PM₁₀, PM_{2.5} and visibility reducing particles, are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.
- ² National standards (other than O₃, particulate matter, and those based on annual averages or annual arithmetic mean) are not to be exceeded more than once per year. The O₃ standard is attained when the fourth-highest 8-hour concentration in a year, averaged over 3 years, is equal to or less than the standard. For PM₁₀, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m³ is equal to or less than one. For PM_{2.5}, the 24-hour standard is attained when 98 percent of the daily concentrations, averaged over 3 years, are equal to or less than the standard. Contact the EPA for further clarification and current Federal policies.
- ³ Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.
- ⁴ Any equivalent procedure which can be shown to the satisfaction of ARB to give equivalent results at or near the level of the air quality standard may be used.
- ⁵ National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.
- ⁶ National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.
- ⁷ Reference method as described by the EPA. An “equivalent method” of measurement may be used but must have a “consistent relationship to the reference method” and must be approved by the EPA.
- ⁸ On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.
- ⁹ On December 14, 2012, the national annual PM_{2.5} primary standard was lowered from 15 µg/m³ to 12 µg/m³. The existing national 24-hour PM_{2.5} standards (primary and secondary) were retained at 35 µg/m³, as was the annual secondary standard of 15. The existing 24-hour PM₁₀ standards (primary and secondary) of 150 µg/m³ also were retained. The form of the annual primary and secondary standards is the annual mean, average over 3 years.
- ¹⁰ To attain the 1-hour standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum 1-hour average at each monitor within an area must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards, the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.
- ¹¹ On June 2, 2010, the new 1-hour SO₂ standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO₂ national standards (24-hour and annual) remain in effect until 1 year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved. Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard, the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.
- ¹² The ARB has identified lead and vinyl chloride as “toxic air contaminants” with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.
- ¹³ The national standard for lead was revised on October 15, 2008, to a rolling 3-month average. The 1978 lead standard (1.5 µg/m³ as a quarterly average) remains in effect until 1 year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standards are approved.
- ¹⁴ In 1989, the ARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are “extinction of 0.23 per kilometer” and “extinction of 0.07 per kilometer” for the statewide and Lake Tahoe Air Basins, respectively.

°C = degrees Celsius

ARB = California Air Resources Board

EPA = United States Environmental Protection Agency

µg/m³ = micrograms per cubic meter

mg/m³ = milligrams per cubic meter

ppm = parts per million

ppb = parts per billion

Table C lists the primary health effects and sources of common air pollutants. Because the concentration standards were set at a level that protects public health with an adequate margin of safety (EPA), these health effects will not occur unless the standards are exceeded by a large margin or for a prolonged period of time. State AAQS are more stringent than Federal AAQS. Among the pollutants, O₃, PM_{2.5}, and PM₁₀ are considered regional pollutants, while the others have more localized effects.

Table C: Health Effects Summary of Some of the Major Criteria Air Pollutants

Pollutant	Health Effects	Examples of Sources
Particulate Matter (PM ₁₀ : less than or equal to 10 microns)	- Increased respiratory disease - Lung damage - Premature death	- Cars and trucks, especially diesels - Fireplaces, wood stoves - Windblown dust from roadways, agriculture, and construction
Ozone (O ₃)	- Breathing difficulties - Lung damage	Formed by chemical reactions of air pollutants in the presence of sunlight; common sources are motor vehicles, industries, and consumer products
Carbon Monoxide (CO)	- Chest pain in heart patients - Headaches, nausea - Reduced mental alertness - Death at very high levels	Any source that burns fuel such as cars, trucks, construction and farming equipment, and residential heaters and stoves
Nitrogen Dioxide (NO ₂)	Lung damage	See carbon monoxide sources
Toxic Air Contaminants	- Cancer - Chronic eye, lung, or skin irritation - Neurological and reproductive disorders	- Cars and trucks, especially diesels - Industrial sources such as chrome platers - Neighborhood businesses such as dry cleaners and service stations - Building materials and products

Source: ARB Fact Sheet: Air Pollution and Health (ARB 2010a).

The California Clean Air Act (CCAA) provides the SCAQMD and other air districts with the authority to manage transportation activities at indirect sources. Indirect sources of pollution are generated when minor sources collectively emit a substantial amount of pollution. Examples of this would be the motor vehicles at an intersection, a mall, and on highways. The SCAQMD also regulates stationary sources of pollution throughout its jurisdictional area. Direct emissions from motor vehicles are regulated by the ARB.

Climate/Meteorology. Air quality in the planning area is not only affected by various emission sources (mobile, industry, etc.), but also by atmospheric conditions such as wind speed, wind direction, temperature, rainfall, etc. The combination of topography, low mixing height, abundant sunshine, and emissions from the second largest urban area in the United States gives the Basin the worst air pollution problem in the nation.

The annual average temperature varies little throughout the Basin, ranging from the low to middle 60s, measured in degrees Fahrenheit (°F). With a more pronounced oceanic influence, coastal areas show less variability in annual minimum and maximum temperatures than inland areas. The

climatological station closest to the site is the Beaumont station.¹ The monthly average maximum temperature recorded at this station between 1939 and 2015 ranged from 60.3°F in January to 95.5°F in July, with an annual average maximum of 76.6°F. The monthly average minimum temperature recorded at this station ranged from 38.4°F in January to 58.8°F in August, with an annual average minimum of 46.9°F. Either January or December is typically the coldest month, and August is typically the warmest month in this area of the Basin.

The majority of annual rainfall in the Basin occurs between November and April. Summer rainfall is minimal and is generally limited to scattered thundershowers in coastal regions and slightly heavier showers in the eastern portion of the Basin and along the coastal side of the mountains. The Beaumont station is representative of the area precipitation. Average monthly rainfall measured between 1939 and 2015 varied from 3.52 inches in January to 0.65 inch or less between May and October, with an annual total of 17.81 inches. Patterns in monthly and yearly rainfall totals are unpredictable due to fluctuations in the weather.

The Basin experiences a persistent temperature inversion (increasing temperature with increasing altitude) as a result of the Pacific high. This inversion limits the vertical dispersion of air contaminants, holding them relatively near the ground. As the sun warms the ground and the lower air layer, the temperature of the lower air layer approaches the temperature of the base of the inversion (upper) layer until the inversion layer finally breaks, allowing vertical mixing with the lower layer. This phenomenon is observed in mid-afternoon to late afternoon on hot summer days, when the smog appears to clear up suddenly. Winter inversions frequently break by midmorning.

Winds in the vicinity of the project area blow predominantly from the south-southwest, with relatively low velocities. Wind speeds in the project area average about 4 miles per hour (mph). Summer wind speeds average slightly higher than winter wind speeds. Low average wind speeds, together with a persistent temperature inversion limit the vertical dispersion of air pollutants throughout the Basin. Strong, dry, north or northeasterly winds, known as Santa Ana winds, occur during the fall and winter months, dispersing air contaminants. The Santa Ana conditions tend to last for several days at a time.

The combination of stagnant wind conditions and low inversions produces the greatest pollutant concentrations. On days of no inversion or high wind speeds, ambient air pollutant concentrations are the lowest. During periods of low inversions and low wind speeds, air pollutants generated in urbanized areas are transported predominantly on shore into Riverside and San Bernardino Counties. In the winter, the greatest pollution problems are CO and NO_x because of extremely low inversions and air stagnation during the night and early morning hours. In the summer, the longer daylight hours and the brighter sunshine combine to cause a reaction between hydrocarbons and NO_x to form photochemical smog.

Description of Global Climate Change and its Sources. GCC is the observed increase in the average temperature of the Earth's atmosphere and oceans along with other significant changes in climate (such as precipitation or wind) that last for an extended period of time. The term "global climate change" is often used interchangeably with the term "global warming," but "global climate

¹ Western Regional Climate Center. Website: <http://www.wrcc.dri.edu>, accessed March 2016.

change” is preferred to “global warming” because it helps convey that there are other changes in addition to rising temperatures.

“Global climate change” refers to any change in measures of weather (such as temperature, precipitation, or wind) lasting for an extended period of time (decades or longer). GCC may result from natural factors (e.g., changes in the sun’s intensity), natural processes within the climate system (e.g., changes in ocean circulation), or human activities (e.g., the burning of fossil fuels, land clearing, or agriculture). The primary observed effect of GCC has been a rise in the average global tropospheric¹ temperature of 0.36 °F per decade, determined from meteorological measurements worldwide between 1990 and 2005. Climate change modeling shows that further warming could occur, which would induce additional changes in the global climate system during the current century. Changes to the global climate system and ecosystems, and the environment of California could include higher sea levels, drier or wetter weather, changes in ocean salinity, and changes in wind patterns or more energetic aspects of extreme weather, including droughts, heavy precipitation, heat waves, extreme cold, and increased intensity of tropical cyclones. Specific effects in California might include a decline in the Sierra Nevada snowpack, erosion of California’s coastline, and seawater intrusion in the Sacramento Delta.

Global surface temperatures have risen by 1.33°F ±0.32°F over the last 100 years (1906–2005). The rate of warming over the last 50 years is almost double that over the last 100 years (IPCC 2013). The latest projections, based on state-of-the art climate models, indicate that temperatures in California are expected to rise 3–10.5°F by the end of the century (State of California 2013). The prevailing scientific opinion on GCC is that “most of the warming observed over the last 60 years is attributable to human activities” (IPCC 2013). Increased amounts of CO₂ and other GHGs are the primary causes of the human-induced component of warming. The observed warming effect associated with the presence of GHGs in the atmosphere (from either natural or human sources) is often referred to as the greenhouse effect.²

GHGs are present in the atmosphere naturally, are released by natural sources, or are formed from secondary reactions taking place in the atmosphere. The gases that are widely seen as the principal contributors to human-induced GCC include:³

- CO₂
- CH₄
- N₂O

¹ The troposphere is the zone of the atmosphere characterized by water vapor, weather, winds, and decreasing temperature with increasing altitude.

² The temperature on Earth is regulated by a system commonly known as the “greenhouse effect.” Just as the glass in a greenhouse allows heat from sunlight in and reduces the amount of heat that escapes, GHGs like carbon dioxide, methane, and nitrous oxide in the atmosphere keep the Earth at a relatively even temperature. Without the greenhouse effect, the Earth would be a frozen globe; therefore, although an excess of GHG results in global warming, the *naturally occurring* greenhouse effect is necessary to keep our planet at a comfortable temperature.

³ The GHGs listed are consistent with the definition in AB 32 (Government Code 38505), as discussed later in this section.

- Hydrofluorocarbons (HFCs)
- Perfluorocarbons (PFCs)
- Sulfur hexafluoride (SF₆)

Over the last 200 years, human activities have caused substantial quantities of GHGs to be released into the atmosphere. These extra emissions are increasing GHG concentrations in the atmosphere, and enhancing the natural greenhouse effect, which is believed to be causing global warming. While GHGs produced by human activities include naturally occurring GHGs such as CO₂, CH₄, and N₂O, some gases, like HFCs, PFCs, and SF₆ are completely new to the atmosphere. Certain other gases, such as water vapor, are short-lived in the atmosphere as compared to these GHGs that remain in the atmosphere for significant periods of time, contributing to climate change in the long term. Water vapor is generally excluded from the list of GHGs because it is short-lived in the atmosphere and its atmospheric concentrations are largely determined by natural processes, such as oceanic evaporation. For the purposes of this report, the term “GHGs” will refer collectively to the six gases identified in the bulleted list provided above.

These gases vary considerably in terms of global warming potential (GWP), which is a concept developed to compare the ability of each GHG to trap heat in the atmosphere relative to another gas. The GWP is based on several factors, including the relative effectiveness of a gas to absorb infrared radiation and length of time that the gas remains in the atmosphere (“atmospheric lifetime”). The GWP of each gas is measured relative to CO₂, the most abundant GHG. The definition of GWP for a particular GHG is the ratio of heat trapped by one unit mass of the GHG to the ratio of heat trapped by one unit mass of CO₂ over a specified time period. GHG emissions are typically measured in terms of pounds or tons of “CO₂ equivalents” (CO₂e). Table D shows the GWP for each type of GHG. For example, SF₆ is 23,900 times more potent at contributing to global warming than CO₂.

Table D: Global Warming Potential of Greenhouse Gases

Gas	Atmospheric Lifetime (Years)	Global Warming Potential (100-year Time Horizon)
Carbon Dioxide (CO ₂)	50–200	1
Methane (CH ₄)	12 ±3	28
Nitrous Oxide (N ₂ O)	121	265
HFC-23	264	11,700
HFC-134a	14.6	1,300
HFC-152a	1.5	140
PFC: Tetrafluoromethane (CF ₄)	50,000	6,500
PFC: Hexafluoromethane (C ₂ F ₆)	10,000	9,200
Sulfur Hexafluoride (SF ₆)	3,200	23,900

Source: *First Update to the Climate Change Scoping Plan: Building on the Framework Pursuant to AB 32* (ARB 2014).

Note: While updated global warming potential (GWP) values are available in the intergovernmental Panel on Climate Change’s (IPCC) fourth and fifth assessment reports, this impact analysis uses the second assessment report values to be consistent with the California Air Resources Board (ARB) modeling and significance criteria.

HFC = hydrofluorocarbons

PFC = perfluorocarbons

The following discussion summarizes the characteristics of seven of the primary GHGs.

- **Carbon Dioxide.** In the atmosphere, carbon generally exists in its oxidized form, as CO₂. Natural sources of CO₂ include the respiration (breathing) of humans, animals and plants, volcanic outgassing, decomposition of organic matter, and evaporation from the oceans. Human-caused sources of CO₂ include the combustion of fossil fuels and wood, waste incineration, mineral production, and deforestation. The Earth maintains a natural carbon balance, and when concentrations of CO₂ are upset, the system gradually returns to its natural state through natural processes. Natural changes to the carbon cycle work slowly, especially compared to the rapid rate at which humans are adding CO₂ to the atmosphere. Natural removal processes, such as photosynthesis by land- and ocean-dwelling plant species, cannot keep pace with this extra input of human-made CO₂, and consequently the gas is building up in the atmosphere. The concentration of CO₂ in the atmosphere has risen approximately 30 percent since the late 1800s (NAST 2001).

The transportation sector remains the largest source of GHG emissions in 2013, with 36 percent of California's GHG emission inventory. The largest emissions category within the transportation sector is on-road, which consists of passenger vehicles (cars, motorcycles, and light-duty trucks) and heavy-duty trucks and buses. Emissions from on-road uses constitute over 92 percent of the transportation sector total. Industry and electricity generation were California's second- and third-largest categories of GHG emissions, respectively.

- **Methane.** CH₄ is produced when organic matter decomposes in environments lacking sufficient oxygen. Natural sources of CH₄ include fires, geologic processes, and bacteria that produce CH₄ in a variety of settings (most notably, wetlands) (EPA 2010). Anthropogenic sources include rice cultivation, livestock, landfills and waste treatment, biomass burning, and fossil fuel combustion (burning of coal, oil, and natural gas, etc.). Decomposition occurring in landfills accounts for the majority of human-generated CH₄ emissions in California, followed by enteric fermentation (emissions from the digestive processes of livestock) (ARB 2015c). Agricultural processes such as manure management and rice cultivation are also significant sources of human-made CH₄ in California. CH₄ accounted for approximately 8 percent of gross climate change emissions (CO₂e) in California in 2013 (ARB 2015c). It is estimated that over 60 percent of global CH₄ emissions are related to human-related activities (IPCC 2013). As with CO₂, the major removal process of atmospheric CH₄—a chemical breakdown in the atmosphere—cannot keep pace with source emissions, and CH₄ concentrations in the atmosphere are increasing.
- **Nitrous Oxide.** N₂O is produced naturally by a wide variety of biological sources, particularly microbial action in soils and water. Tropical soils and oceans account for the majority of natural source emissions. N₂O is a product of the reaction that occurs between nitrogen and oxygen during fuel combustion. Both mobile and stationary combustion emit N₂O, and the quantity emitted varies according to the types of fuel, technology, and pollution control devices used, as well as maintenance and operating practices. Agricultural soil management and fossil fuel combustion are the primary sources of human-generated N₂O emissions in California. N₂O emissions accounted for nearly 7 percent of human-made GHG emissions (CO₂e) in California in 2013.

- **Hydrofluorocarbons, Perfluorocarbons, and Sulfur Hexafluoride.** HFCs are primarily used as substitutes for O₃-depleting substances regulated under the Montreal Protocol.¹ PFCs and SF₆ are emitted from various industrial processes, including aluminum smelting, semiconductor manufacturing, electric power transmission and distribution, and magnesium casting. There is no aluminum or magnesium production in California; however, the rapid growth in the semiconductor industry, which is active in California, leads to greater use of PFCs. However, there are no known project-related emissions of these three GHGs; therefore, these substances are not discussed further in this analysis.
- **Halons.** These compounds are used in fire extinguishers and behave as both O₃-depleting and GHGs. Halon production ended in the U.S. in 1993. SCAQMD Rule 1418, *Halon Emissions from Fire Extinguishing Equipment*, requires the recovery and recycling of halons used in fire extinguishing systems and prohibits the sale of halon in small fire extinguishers. However, there are no known project-related emissions of these GHGs; therefore, these substances are not discussed further in this analysis.

GHG Emissions Sources and Inventories. An emissions inventory that identifies and quantifies the primary human-generated sources and sinks of GHGs is a well-recognized and useful tool for addressing climate change. This section summarizes the latest information on global, national, California, and local GHG emission inventories. However, because GHGs persist for a long time in the atmosphere (see previously referenced Table D), accumulate over time, and are generally well-mixed, their impact on the atmosphere and climate cannot be tied to a specific point of emission.

Global Emissions. Worldwide emissions of GHGs in 2012 were 29 billion metric tons (MT) of CO₂e per year (MT CO₂e/yr) (UNFCCC 2015). Global estimates are based on country inventories developed as part of programs of the United Nations Framework Convention on Climate Change (UNFCCC).

United States Emissions. In 2013, the United States emitted approximately 6.7 billion MT CO₂e. Total United States emissions have increased by 5.9 percent from 1990 to 2013, with emissions from 2012 to 2013 increasing by 2.0 percent. The increase from 2012 to 2013 was due to an increase in the carbon intensity of fuels consumed to generate electricity due to an increase in coal consumption with decreased natural gas consumption. Additionally, relatively cool winter conditions led to an increase in fuels for the residential and commercial sectors for heating. In 2013, there was also an increase in industrial production across multiple sectors resulting in increases in industrial sector emissions. Lastly, transportation emissions increased as a result of a small increase in vehicle miles traveled (VMT) and fuel use across on-road transportation modes. Since 1990, United States emissions have increased at an average annual rate of 0.3 percent.²

¹ The Montreal Protocol is an international treaty that was approved on January 1, 1989, and was designated to protect the ozone layer by phasing out the production of several groups of halogenated hydrocarbons believed to be responsible for ozone depletion.

² United States Environmental Protection Agency (EPA). Draft U.S. Greenhouse Gas Inventory Report: 1990–2014. Website: <http://www.epa.gov/climatechange/emissions/usinventoryreport.html>, accessed March 2016.

State of California Emissions. According to California ARB emission inventory estimates, California emitted approximately 459 million metric tons (MMT) of CO₂e emissions in 2013 (ARB 2015b). The 2013 inventory demonstrates that as the State's gross domestic product continues to rise (by 5 percent since 2009), the carbon intensity (i.e., the amount of carbon pollution related to the State's overall economy) has fallen steadily over the same time period.

Emissions from the transportation sector—still California's largest single source of GHGs, contributing 37 percent of total emissions—declined marginally compared to 2011, even while the economy continued to grow. The long-term direction of transportation-related GHG emissions is another clear trend, with a 12 percent drop over the past 7 years.

In 2013, total GHG and per capita emissions increased for the first time, albeit only by a single percentage point, in the last 5 years. This increase was driven primarily by strong economic growth in the State, the unexpected closure of the San Onofre Nuclear Generating Station (SONGS), and drought conditions that limited in-State hydropower.

Emissions from sectors other than electricity remained relatively constant from 2011, and the GHG carbon intensity of California's economy continued to decline in 2013. Beginning in 2013, California's Cap-and-Trade program ensures that emissions continually decline, even alongside stronger economic growth and potentially drier hydrological conditions, and in the event of any additional unforeseen circumstances.

Riverside County Emissions. In 2010, the western Riverside County region emitted approximately 5.8 MMT CO₂e (WRCOG 2014). These emissions were primarily from transportation sources at 57 percent, followed by commercial/industrial at 21 percent and residential energy at 20 percent.

Air Pollution Constituents and Attainment Status. The ARB coordinates and oversees both State and federal air pollution control programs in the State. The ARB oversees activities of local air quality management agencies and maintains air quality monitoring stations throughout the State in conjunction with the EPA and local air districts. The ARB has divided the State into 15 air basins based on meteorological and topographical factors of air pollution. Data collected at these stations are used by the ARB and EPA to classify air basins as attainment, nonattainment, nonattainment-transitional, or unclassified, based on air quality data for the most recent 3 calendar years compared with the AAQS.

Attainment areas may be:

- **Attainment/Unclassified** ("unclassifiable" in some lists), which have never violated the air quality standard of interest or do not have enough monitoring data to establish attainment or nonattainment status;
- **Attainment-Maintenance** (national ambient air quality standards [NAAQS] only), which violated a NAAQS that is currently in use (was nonattainment) in or after 1990, but now attains the standard and is officially redesignated as attainment by the EPA with a maintenance State Implementation Plan (SIP); or

- **Attainment** (usually only for California ambient air quality standards [CAAQS], but sometimes for NAAQS), which have adequate monitoring data to show attainment, have never been nonattainment, or, for NAAQS, have completed the official maintenance period.

Nonattainment areas are imposed with additional restrictions as required by the EPA. The air quality data are also used to monitor progress in attaining air quality standards. Table E lists the attainment status for criteria pollutants in the Basin.

Table E: Attainment Status of Criteria Pollutants in the South Coast Air Basin

	State	Federal
1-hour Ozone	Nonattainment	N/A
8-hour Ozone	Nonattainment	Extreme Nonattainment
PM ₁₀	Nonattainment	Attainment/Maintenance
PM _{2.5}	Nonattainment	Nonattainment
CO	Attainment	Attainment/Maintenance
NO ₂	Nonattainment	Attainment/Maintenance
SO ₂	Attainment	Attainment
Lead	Attainment (except Los Angeles County)	Attainment (except Los Angeles County)
All others	Attainment/Unclassified	Attainment/Unclassified

Source: Air Quality Standards and Area Designations (ARB 2015a).

CO = carbon monoxide

PM_{2.5} = particulate matter less than 2.5 microns in diameter

N/A = not available

PM₁₀ = particulate matter less than 10 microns in diameter

NO₂ = nitrogen dioxide

SO₂ = sulfur dioxide

- **Ozone.** O₃ (smog) is formed by photochemical reactions between oxides of nitrogen and reactive organic gases rather than being directly emitted. O₃ is a pungent, colorless gas typical of Southern California smog. Elevated O₃ concentrations result in reduced lung function, particularly during vigorous physical activity. This health problem is particularly acute in sensitive receptors such as the sick, the elderly, and young children. O₃ levels peak during summer and early fall. The entire Basin is designated as a nonattainment area for the State 1-hour and 8-hour O₃ standards. The EPA has officially designated the status for the Basin regarding the 8-hour O₃ standard as “Extreme,” which means the Basin has until 2024 to attain the federal 8-hour O₃ standard.
- **Carbon Monoxide.** CO is formed by the incomplete combustion of fossil fuels, almost entirely from automobiles. It is a colorless odorless gas that can cause dizziness, fatigue, and impairment to central nervous system functions. The entire Basin is in attainment for the State standards for CO. The Basin is designated as an “Attainment/Maintenance” area under the federal CO standards.
- **Nitrogen Oxides.** NO₂, a reddish-brown gas, and nitric oxide (NO), a colorless odorless gas, are formed from fuel combustion under high temperature or pressure. These compounds are referred to as nitrogen oxides, or NO_x. NO_x is a primary component of the photochemical smog reaction. It also contributes to other pollution problems, including a high concentration of fine particulate matter, poor visibility, and acid deposition (i.e., acid rain). NO₂ decreases lung function and may reduce resistance to infection. The entire Basin is designated as nonattainment for the State NO₂ standard and as an “Attainment/Maintenance” area under the federal NO₂ standard.

- **Sulfur Dioxide.** SO₂ is a colorless irritating gas formed primarily from incomplete combustion of fuels containing sulfur. Industrial facilities also contribute to gaseous SO₂ levels. SO₂ irritates the respiratory tract, can injure lung tissue when combined with fine particulate matter, and reduces visibility and the level of sunlight. The entire Basin is in attainment for both federal and State SO₂ standards.
- **Lead.** Lead is found in old paints and coatings, plumbing, and a variety of other materials. Once in the blood stream, lead can cause damage to the brain, nervous system, and other body systems. Children are highly susceptible to the effects of lead. The Los Angeles County portion of the Basin was redesignated as nonattainment for the State and federal standards for lead in 2010 (EPA 2008).¹
- **Particulate Matter.** Particulate matter is the term used for a mixture of solid particles and liquid droplets found in the air. Coarse particles, PM₁₀, derive from a variety of sources, including windblown dust and grinding operations. Fuel combustion and resultant exhaust from power plants and diesel buses and trucks are primarily responsible for fine particle (PM_{2.5}) levels. Fine particles can also be formed in the atmosphere through chemical reactions. PM₁₀ can accumulate in the respiratory system and aggravate health problems such as asthma. The EPA's scientific review concluded that PM_{2.5}, which penetrates deeply into the lungs, is more likely than PM₁₀ to contribute to the health effects listed in a number of recently published community epidemiological studies at concentrations that extend well below those allowed by the current PM₁₀ standards. These health effects include premature death; increased hospital admissions and emergency room visits (primarily the elderly and individuals with cardiopulmonary disease); increased respiratory symptoms and disease (children and individuals with cardiopulmonary disease such as asthma); decreased lung functions (particularly in children and individuals with asthma); and alterations in lung tissue and structure and in respiratory tract defense mechanisms. The Basin is a nonattainment area for the State PM₁₀ and PM_{2.5} standards and a nonattainment area for the federal PM_{2.5} standards. The Basin was redesignated as attainment/maintenance for the federal PM₁₀ standard in 2013.
- **Reactive Organic Compounds.** Reactive organic compounds (ROCs, which are also known as reactive organic gases [ROGs] and VOCs) are formed from combustion of fuels and evaporation of organic solvents. ROC is not a defined criteria pollutant but is a prime component of the photochemical smog reaction. Consequently, ROCs accumulate in the atmosphere more quickly during the winter when sunlight is limited and photochemical reactions are slower.
- **Sulfates.** Sulfates occur in combination with metal and/or hydrogen ions. In California, emissions of sulfur compounds occur primarily from the combustion of petroleum-derived fuels (e.g., gasoline and diesel fuel) that contain sulfur. This sulfur is oxidized to SO₂ during the combustion process and subsequently converted to sulfate compounds in the atmosphere. The conversion of SO₂ to sulfates takes place comparatively rapidly and completely in urban areas of California due to regional meteorological features. The entire Basin is in attainment for the State standard for sulfates.
- **Hydrogen Sulfide.** Hydrogen sulfide (H₂S) is a colorless gas with the odor of rotten eggs. It is formed during bacterial decomposition of sulfur-containing organic substances. Also, it can be

¹ With the elimination of leaded gasoline, focus in developing a new air standard for Pb has been on such point sources as smelters, lead recycling operations, manufacturing, combustion, and the continued use of leaded fuel for aviation piston engines.

present in sewer gas and some natural gas and can be emitted as the result of geothermal energy exploitation. In 1984, an ARB committee concluded that the ambient standard for H₂S is adequate to protect public health and to reduce odor annoyance significantly. The entire Basin is unclassified for the State standard for H₂S.

- **Visibility-Reducing Particles.** Visibility-reducing particles consist of suspended particulate matter, which is a complex mixture of tiny particles that consists of dry solid fragments, solid cores with liquid coatings, and small droplets of liquid. These particles vary greatly in shape, size, and chemical composition, and can be made up of many different materials such as metals, soot, soil, dust, and salt. The statewide standard is intended to limit the frequency and severity of visibility impairment due to regional haze. The entire Basin is unclassified for the State standard for visibility-reducing particles.

3.2 LOCAL AIR QUALITY

The SCAQMD, together with the ARB, maintains ambient air quality monitoring stations in the Basin. The air quality monitoring station closest to the site is the Banning Station. This station monitors O₃, PM₁₀, PM_{2.5}, and NO₂. This monitoring station characterizes the air quality representative of the ambient air quality in the project area.^{1,2} The next closest monitoring station is the Palm Springs Station, which monitors CO. The closest monitoring station that monitors SO₂ is the Riverside-Rubidoux Station. Ambient air quality data in Table F show that CO, NO₂, and SO₂ levels are consistently below the relevant State and federal standards in the project vicinity. O₃, PM₁₀, and PM_{2.5} levels all exceed State and federal standards regularly.

3.3 REGULATORY SETTINGS

3.3.1 Federal Regulations/Standards

Pursuant to the federal Clean Air Act (CAA) of 1970, the EPA established NAAQS. The NAAQS were established for six major pollutants termed “criteria” pollutants. Criteria pollutants are defined as those pollutants for which the Federal and State governments have established AAQS, or criteria, for outdoor concentrations in order to protect public health.

Data collected at permanent monitoring stations are used by the EPA to classify regions as “attainment” or “nonattainment,” depending on whether the regions met the requirements stated in the primary NAAQS. Nonattainment areas are imposed with additional restrictions as required by the EPA.

The EPA has designated the Southern California Association of Governments (SCAG) as the Metropolitan Planning Organization (MPO) responsible for ensuring compliance with the requirements of the CAA for the Basin.

¹ United States Environmental Protection Agency (EPA). 2012–2014 Air Quality Data. Website: <http://www.epa.gov/airquality/airdata>, accessed March 2016.

² California Air Resources Board (ARB). iADAM: Air Quality Data Statistics. Website: <http://www.arb.ca.gov/adam>, accessed March 2016.

Table F: Ambient Air Quality Monitored at Banning, Palm Springs, and Riverside-Rubidoux Stations

Pollutant	Standard	2011	2012	2013
Carbon Monoxide (CO) – from Palm Springs Station				
Maximum 8-hour concentration (ppm)		0.64	0.45	1.5
Number of days exceeded:	State: ≥ 9.0 ppm	0	0	0
	Federal: ≥ 9 ppm	0	0	0
Ozone (O₃) – from Banning Station				
Maximum 1-hour concentration (ppm)		0.127	0.117	0.115
Number of days exceeded:	State: > 0.09 ppm	35	40	24
Maximum 8-hour concentration (ppm)		0.111	0.098	0.103
Number of days exceeded:	State: > 0.07 ppm	59	71	66
	Federal: > 0.075 ppm	41	53	41
Coarse Particulates (PM₁₀) – from Banning Station				
Maximum 24-hour concentration ($\mu\text{g}/\text{m}^3$)		47	41	60
Number of days exceeded:	State: $> 50 \mu\text{g}/\text{m}^3$	0	0	1
	Federal: $> 150 \mu\text{g}/\text{m}^3$	0	0	0
Annual arithmetic average concentration ($\mu\text{g}/\text{m}^3$)		17.84	17.72	18.96
Exceeded for the year:	State: $> 20 \mu\text{g}/\text{m}^3$	No	No	No
Fine Particulates (PM_{2.5}) – from Banning Station				
Maximum 24-hour concentration ($\mu\text{g}/\text{m}^3$)		46.7	41.5	65.5
Number of days exceeded:	Federal: $> 35 \mu\text{g}/\text{m}^3$	4	2	4
Annual arithmetic average concentration ($\mu\text{g}/\text{m}^3$)		NA	NA	NA
Exceeded for the year:	State: $> 12 \mu\text{g}/\text{m}^3$	NA	NA	NA
	Federal: $> 15 \mu\text{g}/\text{m}^3$	NA	NA	NA
Nitrogen Dioxide (NO₂) – from Banning Station				
Maximum 1-hour concentration (ppm)		0.061	0.072	0.052
Number of days exceeded:	State: > 0.18 ppm	0	0	0
	Federal: > 0.10 ppm	0	0	0
Annual arithmetic average concentration (ppm)		0.009	0.009	0.008
Exceeded for the year:	State: > 0.030 ppm	No	No	No
	Federal: > 0.053 ppm	No	No	No
Sulfur Dioxide (SO₂) – from Riverside-Rubidoux Station				
Maximum 24-hour concentration (ppm)		0.051	0.004	0.008
Number of days exceeded:	State: > 0.04 ppm	0	0	0
	Federal: > 0.14 ppm	0	0	0

Source 1: United States Environmental Protection Agency (EPA). 2012–2014 Air Quality Data. Website: <http://www.epa.gov/airquality/airdata>, accessed March 2016.

Source 2: California Air Resources Board (ARB). iADAM: Air Quality Data Statistics. Website: <http://www.arb.ca.gov/adam>, accessed March 2016.

$\mu\text{g}/\text{m}^3$ = micrograms per cubic meter

NA = Not Available

ppm = parts per million

The EPA established revised national air quality standards for ground-level O₃ and fine particulate matter in 1997. On May 14, 1999, the Court of Appeals for the District of Columbia Circuit issued a decision ruling that the CAA, as applied in setting the revised public health standards for O₃ and particulate matter, was unconstitutional as an improper delegation of legislative authority to the EPA. On February 27, 2001, the United States Supreme Court upheld the way the government sets air quality standards under the CAA. The Court unanimously rejected industry arguments that the EPA must consider financial cost as well as health benefits in writing standards. The justices also rejected arguments that the EPA took too much lawmaking power from Congress when it set tougher

standards for O₃ and soot in 1997. Nevertheless, the court dismissed the EPA's policy for implementing new O₃ rules, saying that the agency ignored a section of the law that restricts its authority to enforce such rules.

In April 2003, the EPA was cleared by the White House Office of Management and Budget (OMB) to implement the 8-hour ground-level O₃ standard. The EPA issued the proposed rule implementing the 8-hour O₃ standard in April 2003. The EPA completed final 8-hour nonattainment status on April 15, 2004. The EPA revoked the 1-hour O₃ standard on June 15, 2005, and lowered the 8-hour O₃ standard from 0.08 ppm to 0.075 ppm on April 1, 2008 and to 0.070 ppm on October 1, 2015.

The EPA issued the final PM_{2.5} implementation rule in fall 2004. The EPA lowered the 24-hour PM_{2.5} standard from 65 to 35 µg/m³ and revoked the annual PM₁₀ standard on December 17, 2006. The EPA issued final designations for the 2006 24-hour PM_{2.5} standard on December 12, 2008.

The United States has historically had a voluntary approach to reducing GHG emissions. However, on December 7, 2009, the EPA issued an "endangerment finding" under the CAA, concluding that GHGs threaten the public health and welfare of current and future generations and that motor vehicles contribute to GHG pollution.¹ These findings provided the basis for adopting new national regulations to mandate GHG emission reductions under the federal CAA. The EPA's endangerment finding paved the way for federal regulation of GHGs.

On April 1, 2010, the EPA and the Department of Transportation's National Highway Traffic Safety Administration (NHTSA) announced a final joint rule to establish a national program consisting of new standards for model years 2012–2016 light-duty vehicles that will reduce GHG emissions and improve fuel economy. The EPA and NHTSA issued a Supplemental Notice of Intent (GPO 2011) announcing plans to propose stringent, coordinated federal GHG and fuel economy standards for model year 2017–2025 light-duty vehicles. The agencies proposed standards projected to achieve 163 grams/mile of CO₂ in model year 2025, on an average industry fleetwide basis, which is equivalent to 54.5 miles per gallon (mpg) if this level were achieved solely through fuel efficiency. California has announced its support of this national program (ARB 2011a). The final rule was adopted in October 2012, and NHTSA intends to set standards for model years 2022–2025 in a future rulemaking (NHTSA 2012a, 2012b). The GHG benefit of federal vehicle standards is not directly quantified in this report because the more stringent California vehicle standards discussed later in this section are quantified in the report.

In addition to the regulations applicable to cars and light-duty trucks, on August 9, 2011, the EPA and the NHTSA announced fuel economy and GHG standards for medium- and heavy-duty trucks, which apply to vehicles from model years 2014–2018 (EPA 2011). The EPA and the NHTSA have adopted standards for CO₂ emissions and fuel consumption, respectively, tailored to each of three main vehicle categories: combination tractors, heavy-duty pickup trucks and vans, and vocational vehicles. According to the EPA, this program will reduce GHG emissions and fuel consumption for affected vehicles by 9 percent to 23 percent. This report conservatively did not incorporate the GHG benefit of this federal standard.

¹ United States Environmental Protection Agency, *Endangerment and Cause or Contribute Findings for Greenhouse Gases under Section 202(a) of the Clean Air Act*. Website: <http://www.epa.gov/climatechange/endangerment>, accessed March 2016.

3.3.2 State Regulations/Standards

In 1967, the California Legislature passed the Mulford-Carrell Act, which combined two Department of Health bureaus, the Bureau of Air Sanitation and the Motor Vehicle Pollution Control Board, to establish the ARB. Since its formation, the ARB has worked with the public, the business sector, and local governments to find solutions to California's air pollution problems.

California adopted the CCAA in 1988. ARB administers CAAQS for the 10 air pollutants designated in the CCAA. The 10 State air pollutants are the six criteria pollutants designated by the federal CAA as well as visibility reducing particulates, H₂S, sulfates, and vinyl chloride.

The ARB identified particulate emissions from diesel-fueled engines (diesel particulate matter [DPM]) as toxic air contaminants (TACs) in August 1998. Following the identification process, the ARB was required by law to determine whether there is a need for further control. In September 2000, the ARB adopted the Diesel Risk Reduction Plan (Diesel RRP), which recommends many control measures to reduce the risks associated with DPM and to achieve the goal of 85 percent DPM reduction by 2020.

From the 2010 Climate Action Team Report – California Climate Action Milestones. In 1988, AB 4420 directed the California Energy Commission (CEC) to report on “how global warming trends may affect California’s energy supply and demand, economy, environment, agriculture, and water supplies” and offer “recommendations for avoiding, reducing and addressing the impacts.” This marked the first statutory direction to a California State agency to address climate change.

The California Climate Action Registry was created to encourage voluntary reporting and early reductions of GHG emissions with the adoption of Senate Bill (SB) 1771 in 2000. The CEC was directed to assist by developing metrics and identifying and qualifying third-party organizations to provide technical assistance and advice to GHG emission reporters. The next year, SB 527 amended SB 1771 to emphasize third-party verification.

SB 1711 also contained several additional requirements for the CEC, including updating the State’s Greenhouse Gas Emissions Inventory from an existing 1998 report and continuing to update it every 5 years; acquiring, developing and distributing information on GCC to agencies and businesses; establishing a State interagency task force to ensure policy coordination; and establishing a climate change advisory committee to make recommendations on the most equitable and efficient ways to implement climate change requirements. In 2006, AB 1803 transferred preparation of the inventory from the CEC to the ARB. The ARB updates the inventory annually.

AB 1493, authored by Assembly Member Fran Pavley in 2002, directed the ARB to adopt regulations to achieve the maximum feasible and cost-effective reduction of GHG emissions from motor vehicles. The so-called “Pavley” regulations, or Clean Car regulations, were approved by the ARB in 2004. The ARB submitted a request to the EPA to implement the regulations in December 2005. After several years of requests to the federal government and accompanying litigation, this waiver request was granted on June 30, 2009. The ARB has since combined the control of smog-causing pollutants and GHG emissions to develop a single coordinated package of standards known as Low Emission Vehicles III. It is expected that these regulations will reduce GHG emissions from California passenger vehicles by approximately 22 percent in 2012 and approximately 30 percent in

2016, all while improving fuel efficiency and reducing motorists' costs. AB 1493 also directed the California Climate Action Registry to adopt protocols for reporting reductions in GHG emissions from mobile sources prior to the operative date of the regulations.

SB 812 added forest management practices to the California Climate Action Registry members' reportable emissions actions. It also directed the Registry to adopt forestry procedures and protocols to monitor, estimate, calculate, report, and certify carbon stores and CO₂ emissions that resulted from the conservation and conservation-based management of forests in California.

The California Renewable Portfolio Standard (RPS) Program, which requires electric utilities and other entities under the jurisdiction of the California Public Utilities Commission (CPUC) to meet 20 percent of its retail sales with renewable power by 2017, was established by SB 1078 in 2002. The RPS was accelerated to 20 percent by 2010 by SB 107 in 2006. The program was subsequently expanded by the renewable electricity standard approved by the ARB in September 2010, requiring all utilities to meet a 33 percent target by 2020. The renewable electricity standard is projected to reduce GHG emissions from the electricity sector by at least 12 MMT CO₂e in 2020.

In December 2004, Governor Arnold Schwarzenegger signed Executive Order (EO) S-20-04, which set a goal of reducing energy use in State-owned buildings by 20 percent by 2015 (from a 2003 baseline) and encouraged cities, counties, schools, and the private sector to take all cost-effective measures to reduce building electricity use. This action built upon the State's strong history of energy efficiency efforts that have saved Californians and California businesses energy and money for decades. They are a cornerstone of GHG reduction efforts.

EO S-3-05 (June 2005) established GHG targets for the State (e.g., returning to year 2000 emission levels by 2010, 1990 levels by 2020, and 80 percent below 1990 levels by 2050). It directed the Secretary of the California Environmental Protection Agency (CalEPA) to coordinate efforts to meet the targets with the heads of other State agencies. This group became the Climate Action Team (CAT).

California's Million Solar Roofs plan was boosted by the passage of SB 1 in 2006. The plan is estimated to result in 3,000 megawatts (MW) of new electricity-generating capacity and avoidance of 2.1 MMT CO₂e emissions. The main components of the bill included expanding the program to more customers, requiring the State's municipal utilities to create their own solar rebate programs, and making solar panels a standard option on new homes.

The California Global Warming Solutions Act of 2006, best known by its bill number AB 32, created a first-in-the-country comprehensive program to achieve real, quantifiable, and cost-effective reductions in GHGs. The law set an economy-wide cap on California GHG emissions at 1990 levels by 2020. It directed the ARB to prepare, approve, and implement a Scoping Plan for achieving the maximum technologically feasible and cost-effective reductions in GHG emissions. EO S-20-06, signed in October 2006, directed the Secretary for Environmental Protection to establish a Market Advisory Committee of national and international experts. The committee made recommendations to the ARB on the design of a market-based program for GHG emissions reduction. The ARB adopted the first Scoping Plan, describing a portfolio of measures to achieve the target, in December 2008. All of the major regulatory measures necessary for meeting the 2020 emissions target were adopted by December 2010.

The Governors of California, Arizona, New Mexico, Oregon, and Washington entered into a Memorandum of Understanding in February 2007, establishing the Western Climate Initiative. The Governors agreed to set a regional goal for emissions reductions consistent with state-by-state goals; develop a design for a regional market-based, multi-sector mechanism to achieve the goal; and participate in a multi-state GHG registry. The initiative has since grown to include Montana, Utah, and the Canadian provinces of British Columbia, Manitoba, Ontario, and Québec.

California is implementing the world's first Low Carbon Fuel Standard for transportation fuels, pursuant to both EO S-01-07 (signed January 2007) and AB 32. The standard requires a reduction of at least 10 percent in the carbon intensity of California's transportation fuels by 2020. This reduction is expected to reduce GHG emissions in 2020 by 17.6 MMT CO₂e. Also in 2007, AB 118 created the Alternative and Renewable Fuel and Vehicle Technology Program. The CEC and the ARB administer the program. This act provides funding for alternative fuel and vehicle technology research, development, and deployment in order to attain the State's climate change goals, achieve the State's petroleum reduction objectives and clean air and GHG emission reduction standards, develop public-private partnerships, and ensure a secure and reliable fuel supply.

In addition to vehicle emissions regulations and the Low Carbon Fuel Standard, the third effort in reducing GHG emissions from transportation is the reduction in the demand for personal vehicle travel (i.e., VMT). This measure was addressed in September 2008 through the Sustainable Communities and Climate Protection Act of 2008, or SB 375. The enactment of SB 375 initiated an important new regional land use planning process to mitigate GHG emissions by integrating and aligning planning for housing, land use, and transportation for California's 18 MPOs. The bill directed the ARB to set regional GHG emissions reduction targets for most areas of the State. It also contained important elements related to federally mandated Regional Transportation Plans (RTPs) and the alignment of State transportation and housing planning processes.

Also codified in 2008, SB 97 required the Governor's Office of Planning and Research (OPR) to develop GHG emissions criteria for use in determining project impacts under the California Environmental Quality Act (CEQA). These criteria were developed in 2009 and went into effect in 2010.

EO S-13-08 launched a major initiative for improving the State's adaptation to climate impacts from sea level rise, increased temperatures, shifting precipitation, and extreme weather events. It ordered a California Sea Level Rise Assessment Report to be requested from the National Academy of Sciences. It also ordered the development of a Climate Adaptation Strategy. The strategy, published in December 2009, assesses the State's vulnerability to climate change impacts and outlines possible solutions that can be implemented within and across State agencies to promote resiliency. The strategy focused on seven areas: public health, biodiversity and habitat, ocean and coastal resources, water management, agriculture, forestry, and transportation and energy infrastructure.

On October 28, 2010, ARB released its proposed cap-and-trade regulations, which would cover sources of approximately 85 percent of California's GHG emissions (ARB 2010b). ARB's Board ordered ARB's Executive Director to prepare a final regulatory package for cap-and-trade on December 16, 2010 (ARB 2010c). On January 1, 2011, the ARB adopted GHG emissions limits and reduction measures by regulation. On January 1, 2015, cap-and-trade compliance obligations were phased in for suppliers of natural gas, reformulated gasoline blendstock for oxygenate blending,

distillate fuel oils, and liquefied petroleum gas, requiring emissions that meet or exceed specified emissions thresholds.

On October 1, 2013, ARB released an update to the Scoping Plan for discussion purposes. On February 10, 2014, ARB released its proposed *First Update to the Climate Change Scoping Plan* (Updated Scoping Plan) (ARB 2014). Finally, on May 22, 2014, ARB approved the Updated Scoping Plan. It describes California's progress towards AB 32 goals, stating that "California is on track to meet the near-term 2020 greenhouse gas limit and is well positioned to maintain and continue reductions beyond 2020 as required by AB 32." Specifically, "if California realizes the expected benefits of existing policy goals (such as 12,000 megawatts [MW] of renewable distributed generation by 2020, net zero energy homes after 2020, existing building retrofits under AB 758, and others) it could reduce emissions by 2030 to levels squarely in line with those needed in the developed world and to stay on track to reduce emissions to 80 percent below 1990 levels by 2050" (ARB 2014).

In addition, the Updated Scoping Plan further reduced the GHG emissions reduction target. It recalculated the 1990 GHG emissions level using the Intergovernmental Panel on Climate Change (IPCC) Fourth Assessment Report (AR4).¹ Using the AR4 GWP, the 427 MMT CO₂e 1990 emissions level and 2020 GHG emissions limit would be slightly higher, at 431 MMT CO₂e (ARB 2014). Based on the revised estimates of expected 2020 emissions identified in the 2011 supplement to the Functional Environmental Document and updated 1990 emissions levels identified in the Updated Scoping Plan, achieving the 1990 emission level would require a reduction of 78 MMT CO₂e, which equates to a reduction by approximately 15.3 percent to achieve in 2020 emissions levels in the business-as-usual condition (ARB 2011b). Thus, the Updated Scoping Plan essentially establishes a 15.3 percent reduction from business-as-usual threshold of significance for measuring potential GHG impacts.

On April 29, 2015, Governor Edmund G. Brown Jr. issued an executive order to establish a California GHG reduction target of 40 percent below 1990 levels by 2030. The Governor's executive order aligns California's GHG reduction targets with those of leading international governments ahead of the United Nations Climate Change Conference in Paris set for late 2015. The executive order sets a new interim statewide GHG emission reduction target to reduce GHG emissions to 40 percent below 1990 levels by 2030 in order to ensure California meets its target of reducing GHG emissions to 80 percent below 1990 levels by 2050 and directs the ARB to update the Climate Change Scoping Plan to express the 2030 target in terms of MMT CO₂e. The executive order also requires the State's climate adaptation plan to be updated every 3 years and for the State to continue its climate change research program, among other provisions. As with Executive Order S-3-05, this executive order is not legally enforceable against local governments and the private sector. Legislation that would update AB 32 to make post-2020 targets and requirements a mandate is in process in the State Legislature.

The initiatives, EOs, and statutes outlined above represent the major milestones in California's efforts to address climate change through coordinated action on climate research, GHG mitigation, and climate change adaptation. Numerous other related efforts have been undertaken by State agencies

¹ The GWP of CH₄ was updated to 25 (from previously 21) and that of N₂O was updated to 298 (from previously 310).

and departments to address specific questions and programmatic needs. The CAT coordinates these efforts and others that compose the State's climate program. The rest of the report describes these efforts.

3.3.3 Regional Air Quality Planning Framework

The 1976 Lewis Air Quality Management Act established the SCAQMD and other air districts throughout the State. The Federal CAA Amendments of 1977 required that each state adopt an implementation plan outlining pollution control measures to attain the Federal standards in nonattainment areas of the state.

The ARB is responsible for incorporating air quality management plans for local air basins into a State Implementation Plan (SIP) for EPA approval. Significant authority for air quality control within the local air basins has been given to local air districts that regulate stationary source emissions and develop local nonattainment plans.

Regional Air Quality Management Plan. The SCAQMD and SCAG are responsible for formulating and implementing the AQMP for the Basin. The main purpose of an AQMP is to bring the area into compliance with federal and State air quality standards. Every 3 years, the SCAQMD prepares a new AQMP, updating the previous plan and having a 20-year horizon. The SCAQMD adopted the 2012 AQMP in December 2012; the ARB approved it on January 23, 2013, and forwarded it to the EPA.

The 2012 AQMP incorporates the latest scientific and technological information and planning assumptions, including the 2012 RTP/Sustainable Communities Strategy (SCS) and updated emission inventory methodologies for various source categories. The 2012 AQMP included the new and changing federal requirements, implementation of new technology measures, and continued development of economically sound, flexible compliance approaches.

Western Riverside Council of Governments Subregional Climate Action Plan. The Western Riverside Council of Governments (WRCOG) developed their Subregional Climate Action Plan (CAP) in September 2014. WRCOG's subregional emissions reduction targets are 15 percent below 2010 levels by 2020, and 49 percent below 2010 levels by 2035. The CAP contains GHG reduction measures organized into four primary sectors: energy, transportation, solid waste, and water. If fully implemented, the CAP will exceed the 2020 goal by 2.1 percent, achieving an overall 17.1 percent reduction in GHG emissions by 2020.

4.0 THRESHOLDS AND METHODOLOGY

A number of modeling tools are available to assess air quality impacts of projects. In addition, certain air districts, such as the SCAQMD, have created guidelines and requirements to conduct air quality analysis. SCAQMDs current guidelines (i.e., *CEQA Air Quality Handbook* [1993]) were adhered to in the assessment of air quality impacts for the proposed project. The air quality models identified in the document are outdated; therefore, the current model, CalEEMod Version 2013.2.2, was used to estimate project-related mobile and stationary source emissions in this air quality and GHG impact analysis.

This air quality and GHG impact analysis includes estimated emissions associated with short-term construction and long-term operation of the proposed project. Criteria pollutants with regional impacts would be emitted by project-related vehicular trips, as well as by emissions associated with stationary sources used on site. Localized air quality impacts, including higher CO concentrations (CO hot spots) near intersections or roadway segments in the project vicinity, would be potentially caused by project-related traffic increases.

The net increase in pollutant emissions determines the significance and impact on regional air quality as a result of the proposed project. The results also allow the local government to determine whether the proposed project will deter the region from achieving the goal of reducing pollutants in accordance with the AQMP in order to comply with federal and State AAQS.

On December 5, 2008, the SCAQMD adopted an interim GHG significance threshold for projects in which the lead agency is using a tiered approach for determining significance. The objective of the SCAQMD's interim GHG significance threshold proposal was to achieve a GHG emission capture rate of 90 percent for all new or modified stationary-source projects.

4.1 STATE THRESHOLDS OF SIGNIFICANCE

Based on Appendix G, Public Resource Code (PRC) Sections 15000–15387 of the *State CEQA Guidelines*, a project would normally be considered to have a significant effect on air quality if the project would violate any AAQS, contribute substantially to an existing air quality violation, expose sensitive receptors to substantial pollutants concentrations, or conflict with adopted environmental plans and goals of the community in which it is located.

4.2 REGIONAL THRESHOLDS OF SIGNIFICANCE

In addition to the federal and State AAQS, the SCAQMD has established daily emissions thresholds for construction and operation of a proposed project in the Basin. It should be noted that the emissions thresholds were established based on the attainment status of the air basin in regard to air quality standards for specific criteria pollutants. Because the concentration standards were set at a

level that protects public health with an adequate margin of safety (EPA), these emissions thresholds are regarded as conservative and would overstate an individual project's contribution to health risks.

4.2.1 Regional Thresholds for Construction Emissions

The following CEQA significance thresholds for construction emissions have been established for the Basin:

- 75 pounds per day (lbs/day) of VOCs
- 100 lbs/day of NO_x
- 550 lbs/day of CO
- 150 lbs/day of PM₁₀
- 55 lbs/day of PM_{2.5}
- 150 lbs/day of sulfur oxides (SO_x)

Projects in the Basin with construction-related emissions that exceed any of the emission thresholds are considered to be significant under the SCAQMD guidelines.

4.2.2 Regional Thresholds for Operational Emissions

The daily operational emissions "significance" thresholds for the Basin are as follows.

Emission Thresholds for Pollutants with Regional Effects. Projects with operation-related emissions that exceed any of the emission thresholds listed below are considered significant under the SCAQMD guidelines:

- 55 lbs/day of VOCs
- 55 lbs/day of NO_x
- 550 lbs/day of CO
- 150 lbs/day of PM₁₀
- 55 lbs/day of PM_{2.5}
- 150 lbs/day of SO_x

Local Microscale Concentration Standards. The significance of localized project impacts under CEQA depends on whether ambient CO levels in the vicinity of the project are above or below State and Federal CO standards. If ambient levels are below the standards, a project is considered to have a significant impact if project emissions result in an exceedance of one or more of these standards. If ambient levels already exceed a State or Federal standard, project emissions are considered significant if they increase 1-hour CO concentrations by 1.0 ppm or more or 8-hour CO concentrations by 0.45 ppm or more. The following are applicable local emission concentration standards for CO:

- California State 1-hour CO standard of 20.0 ppm
- California State 8-hour CO standard of 9.0 ppm

4.2.3 Thresholds for Localized Impact Analysis

The SCAQMD published its *Final Localized Significance Threshold Methodology* in June 2003, recommending that all air quality analyses include an assessment of both construction and operational impacts on the air quality of nearby sensitive receptors. LSTs represent the maximum emissions from a project site that are not expected to result in an exceedance of the NAAQS or CAAQS, as previously shown in Table B. LSTs are based on the ambient concentrations of that pollutant within the project Source Receptor Area (SRA) and the distance to the nearest sensitive receptor. For this project, the appropriate SRA for the localized impacts analysis is the Banning Airport area (SRA 29).

In the case of CO and NO₂, if ambient levels are below the standards, a project is considered to have a significant impact if project emissions result in an exceedance of one or more of the NAAQS or CAAQS. If ambient levels already exceed a State or federal standard, then project emissions are considered significant if they increase ambient concentrations by a measurable amount. This would apply to PM₁₀ and PM_{2.5}, both of which are nonattainment pollutants. For these two, the significance criteria are the pollutant concentration thresholds presented in SCAQMD Rules 403 and 1301. The Rule 403 threshold of 10.4 µg/m³ applies to construction emissions. The Rule 1301 threshold of 2.5 µg/m³ applies to operational activities.

To avoid the need for every air quality analysis to perform air dispersion modeling, the SCAQMD performed air dispersion modeling for a range of construction sites less than or equal to 5 ac in size and created look-up tables that correlate pollutant emissions rates with project size to screen out projects that are unlikely to generate enough emissions to result in a locally significant concentration of any criteria pollutant. These look-up tables can also be used as screening criteria for larger projects to determine whether or not dispersion modeling may be required.

The following thresholds apply for this project:

- Based on the level of construction activity required for the proposed project, up to 5 ac would be disturbed on any day. Construction thresholds for a 5 ac site at 25 meters (m) are:
 - 236 lbs/day of NO_x;
 - 2,817 lbs/day of CO;
 - 21 lbs/day of PM₁₀; and
 - 11 lbs/day of PM_{2.5}.
- Operational thresholds for a 5 ac site at 25 m are:
 - 236 lbs/day of NO_x;
 - 2,817 lbs/day of CO;
 - 6 lbs/day of PM₁₀; and
 - 3 lbs/day of PM_{2.5}.

4.2.4 Thresholds for Greenhouse Gas Emissions and Global Climate Change

Based on *Guidelines for the Implementation of California Environmental Quality Act*, Appendix G, PRC Sections 15000–15387, a project would normally be considered to have a significant effect on air quality if the project would violate any AAQS, contribute substantially to an existing air quality

violation, expose sensitive receptors to substantial pollutants concentrations, or conflict with adopted environmental plans and goals of the community in which it is located.

As the SCAQMD has recognized, the analysis of GHGs is a much different analysis than the analysis of criteria pollutants for the following reasons. For criteria pollutants, significance thresholds are based on daily emissions because attainment or nonattainment is based on daily exceedances of applicable AAQS. Further, several AAQS are based on relatively short-term exposure effects on human health (e.g., 1-hour and 8-hour). Since the half-life of CO₂ is approximately 100 years, for example, the effects of GHGs are longer-term, affecting global climate over a relatively long time frame. As a result, the SCAQMD's current position is to evaluate GHG effects over a longer time frame than a single day.

The recommended approach for GHG analysis included in OPR's June 2008 release is to: (1) identify and quantify GHG emissions, (2) assess the significance of the impact on climate change, and (3) if significant, identify alternatives and/or mitigation measures to reduce the impact below a level of significance (OPR 2008). The June 2008 OPR guidance provides some additional direction regarding planning documents as follows: "CEQA can be a more effective tool for GHG emissions analysis and mitigation if it is supported and supplemented by sound development policies and practices that will reduce GHG emissions on a broad planning scale and that can provide the basis for a programmatic approach to project-specific CEQA analysis and mitigation. ... For local government lead agencies, adoption of general plan policies and certification of general plan EIRs that analyze broad jurisdiction-wide impacts of GHG emissions can be part of an effective strategy for addressing cumulative impacts and for streamlining later project-specific CEQA reviews."

The State CEQA Guidelines include the following direction regarding determination of significant impacts from GHG emissions (§ 15064.4):

- (a) The determination of the significance of greenhouse gas emissions calls for a careful judgment by the Lead Agency consistent with the provisions in section 15064. A lead agency should make a good-faith effort, based on available information, to describe, calculate or estimate the amount of greenhouse gas emissions resulting from a project. A lead agency shall have discretion to determine, in the context of a particular project, whether to:
 - (1) Use a model or methodology to quantify greenhouse gas emissions resulting from a project, and which model or methodology to use. The lead agency has discretion to select the model it considers most appropriate provided it supports its decision with substantial evidence. The lead agency should explain the limitations of the particular model or methodology selected for use; or
 - (2) Rely on a qualitative analysis or performance based standards.
- (b) A lead agency may consider the following when assessing the significance of impacts from greenhouse gas emissions on the environment:
 - (1) The extent to which the project may increase or reduce greenhouse gas emissions as compared to the existing environmental setting.

- (2) Whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project.
- (3) The extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of greenhouse gas emissions. Such regulations or requirements must be adopted by the relevant public agency through a public review process and must include specific requirements that reduce or mitigate the project's incremental contribution of greenhouse gas emissions. If there is substantial evidence that the possible effects of a particular project are still cumulatively considerable notwithstanding compliance with the adopted regulations or requirements, an EIR must be prepared for the project.

CEQA Guidelines Section 15064(b) provides that the "determination of whether a project may have a significant effect on the environment calls for careful judgment on the part of the public agency involved, based to the extent possible on scientific and factual data," and further, states that an "ironclad definition of significant effect is not always possible because the significance of an activity may vary with the setting."

Individual projects incrementally contribute toward the potential for GCC on a cumulative basis in concert with all other past, present, and probable future projects. While individual projects are unlikely to measurably affect GCC, each project incrementally contributes toward the potential for GCC on a cumulative basis, in concert with all other past, present, and probable future projects.

Revisions to Appendix G of the *CEQA Guidelines* suggest that the project be evaluated for the following impacts:

- Would the project generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment?
- Would the project conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of GHGs?

However, despite this, currently neither the CEQA statutes nor any applicable guidelines prescribe thresholds of significance or a particular methodology for performing an impact analysis; as with most environmental topics, significance criteria are left to the judgment and discretion of the Lead Agency.

On September 28, 2010, the SCAQMD GHG Working Group proposed the following draft-interim method for determining significance of proposed projects' GHG emissions and contributions to GCC. The proposed interim method utilizes a tiered mechanism, as described below.

A proposed project would be evaluated against the tiers and a determination made as to which tier would be the most appropriate for the individual project. For example, if a project is exempt from CEQA, Tier 1 would be the most appropriate tier, the project's effects related to GHG emissions/ would be less than significant, and the analysis would be complete.

If the project is not exempt and there is a local GHG reduction plan in place, Tier 2 would be the most appropriate tier. If the project is consistent with that plan, its effects related to GHG emissions/GCC

would be less than significant and the analysis would be complete. If the project is not consistent with the plan, it would have a significant impact related to GHG emissions/GCC and the analysis would be complete.

If there is no local GHG reduction plan, Tier 3 is used to screen for smaller projects. If the project's emissions are less than the applicable numerical threshold (see below), its effects related to GHG emissions/GCC would be less than significant and the analysis would be complete. If the project exceeds the numerical threshold, it is analyzed using Tier 4.

If the project's emissions are less than the applicable Tier 4 performance-based target, it would have less than significant impacts related to GHG emissions/GCC and the analysis would be complete. If the project exceeds both the screening Tier 3 and Tier 4 targets, it would have a significant impact related to GHG emissions/GCC and the analysis would be complete.

Tier 5, which is not a threshold, specifies that a project include all feasible on-site and off-site measures to reduce GHG emissions as well as financially supporting independent projects that have a net reduction in GHG emissions.

- **Tier 1:** Tier 1 consists of evaluating whether or not the project qualifies for any applicable exemption under CEQA. If the project qualifies for an exemption, no further action is required.
- **Tier 2:** Tier 2 consists of determining whether or not the project is consistent with a GHG reduction plan that may be part of a local general plan, for example. The concept embodied in this tier is equivalent to the existing consistency determination requirements in CEQA Guidelines Sections 15064(h)(3), 15125(d), or 15152(a). The GHG reduction plan must, at a minimum, comply with AB 32 GHG reduction goals; include an emissions inventory agreed upon by either the ARB or the SCAQMD, have been analyzed under CEQA and have a certified Final CEQA document, and have monitoring and enforcement components. If the proposed project is consistent with the qualifying local GHG reduction plan, it is not significant for GHG emissions.
- **Tier 3:** Does the project exceed the applicable GHG screening thresholds? Industrial (when SCAQMD is the Lead Agency): 10,000 MT CO₂e/yr; Residential: 3,500 MT CO₂e/yr; Commercial: 1,400 MT CO₂e/yr; Mixed-Use: 3,000 MT CO₂e/yr. If a project's GHG emissions exceed the GHG screening threshold, the project would be analyzed under Tier 4.
- **Tier 4** establishes a decision tree approach that includes compliance options for projects that have incorporated design features into the project and/or implement GHG mitigation measures.
 - **Efficiency Target (2020 Targets)**
 - 4.8 MT CO₂e per Service Population (SP) for project level threshold (land use emissions only) and total residual emissions not to exceed 25,000 MT CO₂e/yr
 - 6.6 MT CO₂e per SP for plan level threshold (all sectors)
 - **Efficiency Target (2035 Targets)¹**

¹ SCAQMD selected the 2035 target date to be consistent with the GHG reduction target date of SB375. Overall, GHG reductions by the SB 375 target date of 2035 would be approximately 40 percent. This 40 percent reduction was applied to the 2020 targets, resulting in an efficiency threshold for plans of 4.1 MTCO₂e/yr and an efficiency threshold at the project level of 3.0 MTCO₂e/yr.

- 3.0 MT CO₂e per SP for project level threshold
- 4.1 MT CO₂e per SP for plan level threshold

If the lead agency or project proponent cannot achieve the performance standards on any of the compliance options in Tier 4, the project-related GHG emissions would be considered significant.

- **Tier 5** would require projects to implement on-site and off-site GHG mitigation to include financially supporting net GHG-reducing projects sufficient to reduce GHG emission impacts for the life of the project (30 years) to less than the applicable GHG screening threshold level.

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5.0 IMPACTS

Air pollutant emissions associated with the project would occur over the short term from construction activities, such as fugitive dust from site preparation and grading, and emissions from equipment exhaust. There would be long-term regional emissions associated with project-related vehicular trips and due to energy consumption such as electricity usage by the proposed land uses.

5.1 CONSTRUCTION IMPACTS

5.1.1 Equipment Exhausts and Related Construction Activities

Construction activities produce combustion emissions from various sources such as site grading, utility engines, on-site heavy-duty construction vehicles, asphalt paving, and motor vehicles transporting the construction crew. Exhaust emissions from construction activities envisioned on site would vary daily as construction activity levels change. Implementation of the project would include site preparation and grading operations, and construction of the new facilities that would include the application of architectural coatings and paving operations.

The most recent version of the CalEEMod model (Version 2013.2.2) was used to calculate the construction emissions for each phase of the Specific Plan, as shown in Tables G through L. The emissions rates shown are from the CalEEMod output tables listed as “Mitigated Construction,” even though the only measures that have been applied to the analysis are the required construction emissions control measures or the standard conditions. They are also the combination of the on-site and off-site emissions. As shown in Tables G through L, construction equipment/vehicle emissions of NO_x would exceed the SCAQMD emission thresholds during project construction. Details of the emission factors and other assumptions are included in Appendix A. Mitigation measures would be required.

The EPA has implemented non-road diesel emissions reductions¹ in phases called tiers. Tier 1 emission standards were adopted in 1990. Tier 2 emission standards were phased in from 2001 to 2005. Tier 3 was implemented between 2006 and 2008. Tier 4 begins in the 2013–2015 time period. Thus, for all phases, Tier 4 will be readily available. By the time Phase 6 is constructed, Tier 4 equipment will be all that is available and thus no longer a mitigation measure.

¹ Designing diesel engines involves a trade-off between NO_x, PM, and CO emissions. As in-cylinder temperatures increase, PM and CO decrease but thermal NO_x formation increases; as temperatures decrease, NO_x decreases but PM and CO increases due to incomplete combustion.

Table G: Short-Term Regional Phase 1 Construction Emissions (2017)

Construction Phase	Total Regional Pollutant Emissions (lbs/day)							
	ROG	NO _x	CO	SO _x	Fugitive PM ₁₀ ¹	Exhaust PM ₁₀	Fugitive PM _{2.5} ¹	Exhaust PM _{2.5}
Site Preparation	5.2	55	42	0.042	7.2	2.9	3.9	2.7
Grading	6.6	75	50	0.065	3.6	3.6	1.5	3.3
Building Construction	4.2	32	30	0.051	1.5	2.0	0.40	1.9
Architectural Coating	23	2.3	3.2	0.0062	0.26	0.18	0.068	0.18
Paving	2.0	20	16	0.024	0.17	1.1	0.045	1.0
Peak Daily Emissions²	41	180	140	0.19	23		15	
SCAQMD Thresholds	75	100	550	150	150		55	
Significant Emissions?	No	Yes	No	No	No		No	

Source: Compiled by LSA Associates, Inc. (March 2016).

¹ The emission rates for fugitive PM₁₀ and PM_{2.5} shown are from the CalEEMod output tables listed as “Mitigated Construction,” because CalEEMod does not include the fugitive dust construction emission control measures required by SCAQMD. The only way to include them in the model is to specify them as mitigation.

² The peak daily emissions assume that all of the phases could overlap to occur all on 1 day.

CO = carbon monoxide

lbs/day = pounds per day

NO_x = nitrogen oxides

PM_{2.5} = particulate matter less than 2.5 microns in size

PM₁₀ = particulate matter less than 10 microns in size

ROG = reactive organic compounds

SCAQMD = South Coast Air Quality Management District

SO_x = sulfur oxides

Table H: Short-Term Regional Phase 2 Construction Emissions

Construction Phase	Total Regional Pollutant Emissions, lbs/day							
	ROG	NO _x	CO	SO _x	Fugitive PM ₁₀ ¹	Exhaust PM ₁₀	Fugitive PM _{2.5} ¹	Exhaust PM _{2.5}
Site Preparation	4.9	52	40	0.042	7.2	2.8	3.9	2.5
Grading	6.2	70	48	0.065	3.6	3.3	1.5	3.1
Building Construction	3.9	30	29	0.053	1.7	1.8	0.45	1.7
Architectural Coating	16	2.3	3.4	0.0067	0.29	0.18	0.077	0.18
Paving	1.7	17	15	0.024	0.17	0.94	0.045	0.86
Peak Daily Emissions²	33	170	140	0.19	22		14	
SCAQMD Thresholds	75	100	550	150	150		55	
Significant Emissions?	No	Yes	No	No	No		No	

Source: Compiled by LSA Associates, Inc. (March 2016).

¹ The emission rates for fugitive PM₁₀ and PM_{2.5} shown are from the CalEEMod output tables listed as “Mitigated Construction,” because CalEEMod does not include the fugitive dust construction emission control measures required by SCAQMD. The only way to include them in the model is to specify them as mitigation.

² The peak daily emissions assume that all of the phases could overlap to occur all on 1 day.

CO = carbon monoxide

lbs/day = pounds per day

NO_x = nitrogen oxides

PM_{2.5} = particulate matter less than 2.5 microns in size

PM₁₀ = particulate matter less than 10 microns in size

ROG = reactive organic compounds

SCAQMD = South Coast Air Quality Management District

SO_x = sulfur oxides

Table I: Short-Term Regional Phase 3 Construction Emissions

Construction Phase	Total Regional Pollutant Emissions (lbs/day)							
	ROG	NO _x	CO	SO _x	Fugitive PM ₁₀ ¹	Exhaust PM ₁₀	Fugitive PM _{2.5} ¹	Exhaust PM _{2.5}
Site Preparation	4.4	46	37	0.042	7.2	2.4	3.9	2.2
Grading	5.4	60	43	0.065	3.6	2.8	1.5	2.6
Building Construction	3.6	28	30	0.060	2.1	1.6	0.56	1.5
Architectural Coating	6.4	2.2	3.6	0.010	0.36	0.15	0.09	0.15
Paving	1.1	11	15	0.024	0.17	0.56	0.045	0.51
Peak Daily Emissions²	21	150	130	0.20	21		13	
SCAQMD Thresholds	75	100	550	150	150		55	
Significant Emissions?	No	Yes	No	No	No		No	

Source: Compiled by LSA Associates, Inc. (March 2016).

¹ The emission rates for fugitive PM₁₀ and PM_{2.5} shown are from the CalEEMod output tables listed as “Mitigated Construction,” because CalEEMod does not include the fugitive dust construction emission control measures required by SCAQMD. The only way to include them in the model is to specify them as mitigation.

² The peak daily emissions assume that all of the phases could overlap to occur all on 1 day.

CO = carbon monoxide

lbs/day = pounds per day

NO_x = nitrogen oxides

PM_{2.5} = particulate matter less than 2.5 microns in size

PM₁₀ = particulate matter less than 10 microns in size

ROG = reactive organic compounds

SCAQMD = South Coast Air Quality Management District

SO_x = sulfur oxides

Table J: Short-Term Regional Phase 4 Construction Emissions

Construction Phase	Total Regional Pollutant Emissions (lbs/day)							
	ROG	NO _x	CO	SO _x	Fugitive PM ₁₀ ¹	Exhaust PM ₁₀	Fugitive PM _{2.5} ¹	Exhaust PM _{2.5}
Site Preparation	3.8	39	34	0.042	7.2	1.9	3.9	1.8
Grading	4.6	49	39	0.065	3.6	2.3	1.5	2.1
Building Construction	9.0	61	100	0.28	18	2.3	5.2	2.1
Architectural Coating	17	2.2	11	0.036	2.6	0.10	0.68	0.10
Paving	1.2	8.5	15	0.024	0.17	0.41	0.045	0.38
Peak Daily Emissions²	36	160	200	0.45	39		18	
SCAQMD Thresholds	75	100	550	150	150		55	
Significant Emissions?	No	Yes	No	No	No		No	

Source: Compiled by LSA Associates, Inc. (March 2016).

¹ The emission rates for fugitive PM₁₀ and PM_{2.5} shown are from the CalEEMod output tables listed as “Mitigated Construction,” because CalEEMod does not include the fugitive dust construction emission control measures required by SCAQMD. The only way to include them in the model is to specify them as mitigation.

² The peak daily emissions assume that all of the phases could overlap to occur all on 1 day.

CO = carbon monoxide

lbs/day = pounds per day

NO_x = nitrogen oxides

PM_{2.5} = particulate matter less than 2.5 microns in size

PM₁₀ = particulate matter less than 10 microns in size

ROG = reactive organic compounds

SCAQMD = South Coast Air Quality Management District

SO_x = sulfur oxides

Table K: Short-Term Regional Phase 5 Construction Emissions

Construction Phase	Total Regional Pollutant Emissions (lbs/day)							
	ROG	NO _x	CO	SO _x	Fugitive PM ₁₀ ¹	Exhaust PM ₁₀	Fugitive PM _{2.5} ¹	Exhaust PM _{2.5}
Site Preparation	2.5	24	25	0.042	7.2	1	3.9	0.95
Grading	3	27	32	0.065	3.6	1.2	1.5	1.1
Building Construction	2.7	16	35	0.1	5.1	0.63	1.4	0.59
Architectural Coating	16	1.4	4.5	0.015	0.93	0.059	0.25	0.058
Paving	1.4	7	16	0.03	0.17	0.32	0.045	0.32
Peak Daily Emissions²	26	75	110	0.25	20		10	
SCAQMD Thresholds	75	100	550	150	150		55	
Significant Emissions?	No	No	No	No	No		No	

Source: Compiled by LSA Associates, Inc. (March 2016).

¹ The emission rates for fugitive PM₁₀ and PM_{2.5} shown are from the CalEEMod output tables listed as “Mitigated Construction,” because CalEEMod does not include the fugitive dust construction emission control measures required by SCAQMD. The only way to include them in the model is to specify them as mitigation.

² The peak daily emissions assume that all of the phases could overlap to occur all on 1 day.

CO = carbon monoxide

lbs/day = pounds per day

NO_x = nitrogen oxides

PM_{2.5} = particulate matter less than 2.5 microns in size

PM₁₀ = particulate matter less than 10 microns in size

ROG = reactive organic compounds

SCAQMD = South Coast Air Quality Management District

SO_x = sulfur oxides

Table L: Short-Term Regional Phase 6 Construction Emissions

Construction Phase	Total Regional Pollutant Emissions, lbs/day							
	ROG	NO _x	CO	SO _x	Fugitive PM ₁₀ ¹	Exhaust PM ₁₀	Fugitive PM _{2.5} ¹	Exhaust PM _{2.5}
Site Preparation	2.5	13	17	0.045	7.2	0.42	3.9	0.42
Grading	3.3	14	26	0.071	3.6	0.50	1.5	0.50
Building Construction	1.4	8.3	18	0.038	0.43	0.16	0.12	0.16
Architectural Coating	4.0	0.87	2.0	0.0040	0.078	0.021	0.021	0.021
Paving	1.1	4.8	16	0.030	0.17	0.18	0.045	0.18
Peak Daily Emissions²	12	41	79	0.19	13		6.9	
SCAQMD Thresholds	75	100	550	150	150		55	
Significant Emissions?	No	No	No	No	No		No	

Source: Compiled by LSA Associates, Inc. (March 2016).

¹ The emission rates for fugitive PM₁₀ and PM_{2.5} shown are from the CalEEMod output tables listed as “Mitigated Construction,” because CalEEMod does not include the fugitive dust construction emission control measures required by SCAQMD. The only way to include them in the model is to specify them as mitigation.

² The peak daily emissions assume that all of the phases could overlap to occur all on 1 day.

CO = carbon monoxide

lbs/day = pounds per day

NO_x = nitrogen oxides

PM_{2.5} = particulate matter less than 2.5 microns in size

PM₁₀ = particulate matter less than 10 microns in size

ROG = reactive organic compounds

SCAQMD = South Coast Air Quality Management District

SO_x = sulfur oxides

5.1.2 Fugitive Dust

Fugitive dust emissions are generally associated with land clearing and exposure of soils to the air and wind, as well as cut-and-fill grading operations. Dust generated during construction varies substantially on a project-by-project basis, depending on the level of activity, the specific operations, and weather conditions at the time of construction.

The proposed project would be required to comply with SCAQMD Rules 402 and 403 to control nuisance emissions and fugitive dust. The CalEEMod model does not provide for including these required measures in any way other than as mitigation. However, these measures are not mitigating a significant air quality impact but rather complying with the requirements. Thus, the PM₁₀ and PM_{2.5} emissions shown are from the CalEEMod output tables listed as “Mitigated Construction,” even though the only measures that have been applied to the analysis are the required construction emissions control measures or standard conditions. As shown in Tables G through L, with these standard control measures, fugitive dust emissions would be below SCAQMD thresholds. No mitigation measures would be required.

5.1.3 Architectural Coatings

Architectural coatings contain VOCs similar to ROGs and are part of the O₃ precursors. Based on the proposed project, it is estimated that application of the architectural coatings on the proposed buildings using standard application techniques (standard spray) with a 25 percent transfer efficiency would result in as much as approximately 23 pounds (lbs) of VOC per day during the coating phase. These emissions of VOC would be less than the SCAQMD VOC threshold of 75 lbs/day. No mitigation measures would be required.

5.1.4 Odors

Heavy-duty equipment on the project site during construction would emit odors. While these odors could be objectionable near the equipment, all construction operations planned are of sufficient distance from existing and, during later phase development, future sensitive receptors that the natural dissipation in the air over that distance would prevent any health risk from objectionable odor. No other sources of objectionable odors are expected during project construction. No mitigation is required.

SCAQMD Rule 402 regarding nuisances states: “A person shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.” The proposed uses are not anticipated to emit any objectionable odors. Therefore, objectionable odors posing a health risk to potential on-site and existing off-site uses would not occur as a result of the proposed project, and no mitigation is required.

5.1.5 Naturally Occurring Asbestos

The proposed project is located in Riverside County, which is not among the counties found to have serpentine and ultramafic rock in their soils. Therefore, the potential risk for naturally occurring asbestos (NOA) during project construction is small and less than significant. No mitigation is required.

5.1.6 Localized Impacts Analysis

Land uses surrounding the project site include single-family and multifamily residences, a high school, planned development of a college campus (phase one has been built), and vacant land. Existing single-family and multifamily residences surround the proposed project. The existing high school is adjacent on the east side of the proposed project. The planned development of the college campus is adjacent on the west side of the proposed project. These land uses could be exposed to increased pollutant concentrations from construction emissions. Additionally, during construction of the subsequent phases of the Specific Plan, there could be residents of the earlier phases similarly exposed. However, due to the size of the construction areas, the majority of construction activities would be located far from these sensitive receptors. Thus, measurable pollutant concentration increases are very unlikely.

The SCAQMD has issued guidance on applying CalEEMod modeling results to localized impacts analysis.¹ Sensitive receptors include residences, schools, hospitals, and similar uses that are sensitive to adverse air quality. The existing and proposed sensitive land uses within the project area could be located within 50 to 100 feet of the project construction. Table M identifies the on-site construction emissions on the peak day of construction for each phase of the Specific Plan. As shown, the construction emissions associated with each phase of construction would be below the SCAQMD thresholds of significance.

Table M: Construction LST Impacts

Phase	NO _x	CO	PM ₁₀	PM _{2.5}
Phase 1	75	49	10	6.6
Phase 2	70	47	9.8	6.4
Phase 3	60	42	9.4	6.0
Phase 4	49	38	9.0	5.6
Phase 5	27	31	8.1	4.8
Phase 6	14	26	7.5	4.3
LST Thresholds	236	2,817	21	11
Significant Emissions?	No	No	No	No

Source: Compiled by LSA Associates, Inc. (March 2016).

SRA: Banning Airport, 5 acres, 25-meter distance

CO = carbon monoxide

NO_x = nitrogen oxides

lbs/day = pounds per day

PM_{2.5} = particulate matter less than 2.5 microns in size

LST = local significance threshold

PM₁₀ = particulate matter less than 10 microns in size

5.2 LONG-TERM REGIONAL AIR QUALITY IMPACTS

5.2.1 Long-Term Project Operational Emissions

Long-term project operations produce air pollutant emissions from the proposed mix of residential and commercial land uses. Based on the project traffic study, long-term operational emissions associated with the proposed project, calculated with the CalEEMod model, are shown in Table N.

¹ South Coast Air Quality Management District (SCAQMD). Fact Sheet for Applying CalEEMod to Localized Significance Thresholds. Website: <http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/caleemod-guidance.pdf>, accessed March 2016.

Table N: Long-Term Regional Operational Emissions

Source	Pollutant Emissions (lbs/day)					
	ROG	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Phase 1 – 2017						
Area Sources	12	0.23	20	0.0011	0.43	0.43
Energy Sources	0.26	2.2	1.0	0.014	0.18	0.18
Mobile Sources	12	36	140	0.36	25	6.9
Total Emissions	24	38	160	0.38	26	7.5
SCAQMD Thresholds	55	55	550	150	150	55
Significant?	No	No	No	No	No	No
Phase 2 – 2019						
Area Sources	28	0.58	50	0.0026	1.1	1.1
Energy Sources	0.61	5.3	2.3	0.034	0.42	0.42
Mobile Sources	21	63	240	0.73	50	14
Total Emissions	50	69	290	0.77	52	16
SCAQMD Thresholds	55	55	550	150	150	55
Significant?	No	Yes	No	No	No	No
Phase 3 – 2022						
Area Sources	48	1.0	86	0.0046	1.9	1.9
Energy Sources	1.1	9.0	3.9	0.058	0.73	0.73
Mobile Sources	31	80	340	1.2	81	23
Total Emissions	80	90	430	1.3	84	26
SCAQMD Thresholds	55	55	550	150	150	55
Significant?	Yes	Yes	No	No	No	No
Phase 4 – 2025						
Area Sources	86	2.2	190	0.01	4.2	4.2
Energy Sources	1.8	15	6.5	0.096	1.2	1.2
Mobile Sources	60	140	630	2.5	170	46
Total Emissions	150	160	830	2.6	180	51
SCAQMD Thresholds	55	55	550	150	150	55
Significant?	Yes	Yes	Yes	No	Yes	No
Phase 5 – 2029						
Area Sources	110	2.9	250	0.013	5.5	5.4
Energy Sources	2.2	19	8.2	0.12	1.5	1.5
Mobile Sources	66	150	700	3.1	210	58
Total Emissions	180	170	960	3.2	220	65
SCAQMD Thresholds	55	55	550	150	150	55
Significant?	Yes	Yes	Yes	No	Yes	Yes
Phase 6 – 2035						
Area Sources	110	3.0	260	0.014	5.6	5.6
Energy Sources	2.3	20	8.5	0.13	1.6	1.6
Mobile Sources	63	150	690	3.2	210	60
Total Project Emissions	180	170	960	3.3	220	67
SCAQMD Thresholds	55	55	550	150	150	55
Significant?	Yes	Yes	Yes	No	Yes	Yes

Source: Compiled by LSA Associates, Inc. (April 2016).

Note: Numbers in table may appear to not add up correctly due to rounding of all numbers to two significant digits.

CO = carbon monoxide

PM₁₀ = particulate matter less than 10 microns in size

CO₂ = carbon dioxide

ROCs = reactive organic compounds

lbs/day = pounds per day

SCAQMD = South Coast Air Quality Management District

NO_x = nitrogen oxides

SO_x = sulfur oxides

PM_{2.5} = particulate matter less than 2.5 microns in size

Area sources include architectural coatings, consumer products, and landscaping maintenance performed on the project site. Energy sources include natural gas consumption for heating and electricity for the lighting in the buildings and at outdoor areas. Mobile sources (vehicles associated with the proposed residential and commercial land uses) combine traffic volumes from the traffic study with regional data on typical trip lengths to derive VMT. Table N shows that during operations, peak daily emissions would exceed the SCAQMD daily thresholds for ROG, NO_x, CO, PM₁₀, and PM_{2.5}, but not for SO_x. Mitigation measures would be required. However, the majority of the emissions causing the exceedances are from privately owned vehicles operating as a result of the project. Section 5.7.2 lists several mitigation measures that could potentially reduce the number of vehicle trips generated, and their associated emissions, within the Specific Plan Area. However, the level to which these measures will be implemented by the future developments is unknown. Therefore, the long-term operational impacts would continue to exceed the SCAQMD's thresholds.

The Specific Plan identifies alternative land uses (overlays) for Planning Area (PA) 9 and PA 16-C. A residential overlay alternative of Medium-High Density Residential (MHDR, 12.1 – 18.0 dwelling units per acre) is allowed on PA 9 in lieu of the Neighborhood Commercial designation, if PA 9 does not develop as commercial. If PA 9 was developed as residential, there would not be a 103,300 square foot retail center (and 93 fewer employees) but there would be an additional 168 multi-family residential units (with 449 people). A Residential Overlay alternative of Low Density Residential (LDR, 2.6 – 6.0 dwelling units per acre) is allowed on PA 16-C in lieu of the School use designation, if the Banning Unified School District does not acquire PA 16-C and the site is not developed with a school use. If this PA 16-C was developed as residential, there would not be an 800-student school but there would be an additional 84 multi-family residential units (with 224 people). Based on data provided to the traffic engineer, these alternative residential alternatives for PA 9 and PA 16-C would result in similar or less operational traffic, and thus similar or less operational air quality and greenhouse gas emissions impacts.

The proposed project is a mixed-use community. These proposed residential, commercial, and mixed land uses do not include any recognized sources of long-term objectionable odors. Therefore, objectionable odors posing a health risk to potential on-site and existing off-site uses would not occur as a result of the proposed project. No mitigation is required.

5.2.2 Localized Impact Analysis

Table O shows the calculated emissions for the proposed operational activities compared with the appropriate localized significance thresholds. The emissions shown include all stationary and 2 percent of the mobile sources, which is an estimate of the amount of project-related vehicle traffic that will occur at any one location on site.

Table O shows that the maximum emissions from project operation will neither cause nor contribute to an exceedance of the most stringent applicable federal or State AAQS. Therefore, the proposed operational activity will not cause any localized significant air quality impacts.

Table O: Summary of Operational Localized Significance

Phase	Emission Rates (lbs/day)			
	NO _x	CO	PM ₁₀	PM _{2.5}
Phase 1 – 2017	0.78	8.0	0.61	0.25
Phase 2 – 2019	1.4	17	1.3	0.56
Phase 3 – 2022	1.8	28	2.1	0.94
Phase 4 – 2025	2.8	60	3.8	1.8
Phase 5 – 2029	3.3	70	5.0	2.4
Phase 6 – 2035	3.4	80	5.0	2.4
Localized Significance Threshold	236	2,817	6.0	3.0
Exceed Significance?	No	No	No	No

Source: Compiled by LSA Associates, Inc. (March 2016).

CO = carbon monoxide PM₁₀ = particulate matter less than 10 microns in size
lbs/day = pounds per day PM_{2.5} = particulate matter less than 2.5 microns in size
NO_x = nitrogen oxides

5.3 GLOBAL CLIMATE CHANGE

5.3.1 Greenhouse Gas Plan, Policy, Regulation Consistency

This section evaluates potential significant impacts related to GCC that could result from implementation of the proposed project. Because it is not possible to tie specific GHG emissions to actual changes in climate, this evaluation focuses on the project's emission of GHGs.

GHG Emissions Background. GHG emissions estimates are provided herein for informational purposes only, as there is no established quantified GHG emissions threshold. Bearing in mind that CEQA does not require “perfection” but instead “adequacy, completeness, and a good faith effort at full disclosure,” the analysis below is based on methodologies and information available to the City and the applicant at the time this analysis was prepared. Estimation of GHG emissions in the future does not account for all changes in technology that may reduce such emissions; therefore, the estimates are based on past performance and represent a scenario that is worse than that which is likely to be encountered (after energy-efficient technologies have been implemented). While information is presented below to assist the public and decision-makers in understanding the project's potential contribution to GCC impacts, the information available to the City is not sufficiently detailed to allow a direct comparison between particular project characteristics and particular climate change impacts, or between any particular proposed mitigation measure and any reduction in climate change impacts.

Overall, the following activities associated with the proposed project could directly or indirectly contribute to the generation of GHG emissions:

- **Construction Activities:** During construction of the project, GHGs would be emitted through the operation of construction equipment and from worker and vendor vehicles, each of which typically uses fossil-based fuels to operate. The combustion of fossil-based fuels creates GHGs such as CO₂, CH₄, and N₂O. Furthermore, CH₄ is emitted during the fueling of heavy equipment.
- **Gas, Electricity, and Water Use:** Natural gas use results in the emissions of two GHGs: CH₄ (the major component of natural gas) and CO₂ (from the combustion of natural gas). Electricity

use can result in GHG production if the electricity is generated by combusting fossil fuel. California's water conveyance system is energy-intensive. Preliminary estimates indicate that the total energy used to pump and treat this water exceeds 6.5 percent of the total electricity used in the State per year (State of California 2008).

- **Solid Waste Disposal:** Solid waste generated by the project could contribute to GHG emissions in a variety of ways. Landfilling and other methods of disposal use energy for transporting and managing the waste, and they produce additional GHGs to varying degrees. Landfilling, the most common waste management practice, results in the release of CH₄ from the anaerobic decomposition of organic materials. CH₄ is 25 times more potent a GHG than CO₂. However, landfill CH₄ can also be a source of energy. In addition, many materials in landfills do not decompose fully, and the carbon that remains is sequestered in the landfill and not released into the atmosphere.
- **Motor Vehicle Use:** Transportation associated with the proposed project would result in GHG emissions from the combustion of fossil fuels in daily automobile and truck trips.

GHG emissions associated with the project would occur over the short term from construction activities and would consist primarily of emissions from equipment exhaust. There would also be long-term regional emissions associated with project-related new vehicular trips and stationary-source emissions (e.g., natural gas used for heating and electricity usage for lighting). Preliminary guidance from OPR and recent letters from the Attorney General critical of CEQA documents that have taken different approaches indicate that lead agencies should calculate, or estimate, emissions from vehicular traffic, energy consumption, water conveyance and treatment, waste generation, and construction activities. The calculation presented below includes construction emissions in terms of annual CO₂e emissions from increased energy consumption, water usage, solid waste disposal, and estimated GHG emissions from vehicular traffic that would result from implementation of the project.

Using the same modeling results as reported above for criteria pollutant construction emissions, Table P shows the total construction GHG emissions for each of the six construction phases. The SCAQMD treatment for construction-related GHG emissions is to have them amortized over the life of the project (30 years) and include them in the evaluation of operations phase emissions.

Long-term operation of the proposed project would generate GHG emissions from area and mobile sources and indirect emissions from stationary sources associated with energy consumption. Mobile-source emissions of GHGs would include project-generated vehicle trips associated with on-site residences. Area-source emissions would be associated with activities such as landscaping and maintenance of proposed land uses, natural gas for heating, and other sources. Increases in stationary-source emissions would also occur at off-site utility providers as a result of demand for electricity, natural gas, and water by the proposed uses.

The GHG emission estimates presented in Table Q show the emissions associated with the level of development envisioned by the proposed project at the completion of Phases 1 through 6. Appendix A includes the worksheets for the GHG emissions. As shown in Table Q, the total project will produce 46,000 MT per year of CO₂e at the completion. Table Q lists project-related GHG emissions pursuant to the OPR Technical Advisory *CEQA and Climate Change: Addressing Climate Change through CEQA Review* (2008), stating that the emissions from projects must be disclosed even in the absence of thresholds of significance.

Table P: Construction GHG Emissions by Phase

Phase	Emission Rates			
	CO ₂	CH ₄ ¹	N ₂ O ¹	CO ₂ e
Phase 1 – 2017 (MT/yr)	910	0.16	0	910
Phase 2 – 2019 (MT/yr)	1,300	0.25	0	1,300
Phase 3 – 2022 (MT/yr)	3,100	0.44	0	3,100
Phase 4 – 2025 (MT/yr)	11,000	0.79	0	11,000
Phase 5 – 2029 (MT/yr)	2,700	0.29	0	2,700
Phase 6 – 2035 (MT/yr)	970	0.037	0	970
Total Construction	19,980	2.0	0	19,980
Total Construction Emissions amortized over 30 years (MT)	670	0.066	0	670

Source: Compiled by LSA Associates, Inc. (March 2016).

Note: The GHG emissions shown are for information purposes only. There are no adopted thresholds to which to compare these emissions. Numbers in table may appear to not add up correctly due to rounding of all numbers to two significant digits.

¹ The global warming potentials of CH₄ and N₂O are calculated using the Intergovernmental Panel on Climate Change Second Assessment Report: Climate Change, 1995.

CH₄ = methane
CO₂ = carbon dioxide
CO₂e = carbon dioxide equivalent
MT = metric tons
MT/yr = metric tons per year
N₂O = nitrous oxide

Table Q: Construction and Long-Term Operational Greenhouse Gas Emissions

Source	Pollutant Emissions (MT/yr)					
	Bio-CO ₂	NBio-CO ₂	Total CO ₂	CH ₄ ¹	N ₂ O ¹	CO ₂ e
Total Project (All Phases)						
Construction Emissions Amortized over 30 Years	0	670	670	0.066	0	670
Total Project Operational Emissions						
Area Sources	0	810	810	0.065	0.014	810
Energy Sources	0	9,700	9,700	0.33	0.13	9,700
Mobile Sources	0	31,000	31,000	0.82	0	31,000
Waste Sources	540	0	540	32	0	1,200
Water Usage	65	2,000	2,100	6.8	0.18	2,300
Total Project Emissions	610	44,000	45,000	40	0.32	46,000

Source: Compiled by LSA Associates, Inc. (March 2016).

Note: The GHG emissions shown are for information purposes only. There are no adopted thresholds to which to compare these emissions. Numbers in table may appear to not add up correctly due to rounding of all numbers to two significant digits.

¹ The global warming potentials of CH₄ and N₂O are calculated using the Intergovernmental Panel on Climate Change Fifth Assessment Report: Climate Change (2013).

Bio-CO₂ = biologically generated CO₂
CH₄ = methane
CO₂ = carbon dioxide
CO₂e = carbon dioxide equivalent
MT/yr = metric tons per year
N₂O = nitrous oxide
NBio-CO₂ = non-biologically generated CO₂

The GHG emission estimates presented in Table Q show the emissions associated with the level of development envisioned by the proposed project at the completion of Phases 1 through 6. Appendix A includes the worksheets for the GHG emissions. As shown in Table Q, the total project

will produce 46,000 MT per year of CO₂e at the completion. Table Q lists project-related GHG emissions pursuant to the OPR Technical Advisory *CEQA and Climate Change: Addressing Climate Change through CEQA Review* (2008), stating that the emissions from projects must be disclosed even in the absence of thresholds of significance.

The biologically generated CO₂ represents emissions generated by biological processes, primarily decomposition of waste in a landfill. The non-biologically generated CO₂ represents emissions generated by all other sources, primarily fossil fuel combustion, but also fugitive emissions from equipment leaks and other minor sources. At present, there is a Federal ban on CFCs; therefore, it is assumed the project would not generate emissions of CFCs. The CAA does not allow any refrigerant to be vented into the atmosphere during installation, service, or retirement of equipment. PFCs and SF₆ are typically used in industrial applications, none of which occur on the project site. Therefore, the project would not contribute measurable emissions of HFCs, PFCs, or SF₆.

In comparing the proposed project to the SCAQMD-tiered interim GHG significance criteria, it is not exempt as described in Tier 1, nor is there a GHG reduction plan in the Banning General Plan or any other GHG reduction plan applicable to the proposed project, per Tier 2. The Tier 3 screening significance threshold level for mixed-use projects is 3,000 tons per year (tpy) of CO₂e. The project exceeds this threshold. Exceeding Tier 3 screening means the project is evaluated using Tier 4. Considering the Tier 4 screening significance threshold level, the project must be less than or equal to both the 2020 and 2035 efficiency thresholds in order to be considered insignificant. The 2020 threshold for projects is 4.8 tpy per service population, and the 2035 threshold for projects is 3.0 tpy per service population. The total service population of the proposed project, which is the total of the residents and employees, is planned to be approximately 8,461. This translates to a 2020 threshold of $4.8 \times 8,461$, or 40,613, which Table Q shows the total project would exceed. For the 2035 threshold, the result is $3.0 \times 8,461$, or 25,383, which Table Q shows the total project would also exceed. Therefore, the project will exceed this Tier 4 threshold and the emissions of GHGs will be significant. Mitigation as specified in Tier 5 would be required.

The CAT and ARB have developed several reports to achieve the Governor's GHG targets that rely on voluntary actions of California businesses, local government and community groups, and State incentive and regulatory programs. These include the CalEPA 2010 "*Climate Action Team Report to Governor Schwarzenegger and the Legislature*," the ARB's 2007 "*Expanded List of Early Action Measures to Reduce Greenhouse Gas Emissions in California*," and the ARB's "*First Update to the Climate Change Scoping Plan: Building on the Framework Pursuant to AB 32, the California Global Warming Solutions Act of 2006*." (ARB 2014)." Additionally, the Western Riverside Council of Governments published a *Subregional Climate Action Plan* in September 2014.

These reports identify strategies to reduce California's emissions to the levels proposed in EO S-3-05 and AB 32 that are applicable to the proposed project. The *Subregional Climate Action Plan* is the most recent document, and the strategies included in the *Subregional Climate Action Plan* that apply to the project are described in Table R, which also summarizes the extent to which the project would comply with the strategies to help California reach the emission reduction targets.

Table R: Project Compliance with Greenhouse Gas Emission Reduction Strategies

Strategy	Project Compliance
Mandatory Code	
California Green Building Code. The CALGreen Code prescribes a wide array of measures that would directly and indirectly result in reduction of GHG emissions from the Business as Usual Scenario (California Building Code). The mandatory measures that are applicable to projects include site selection, energy efficiency, water efficiency, materials conservation and resource efficiency, and environmental quality measures.	Compliant. The project would be required to adhere to the mandatory measures as required by the CALGreen Code, as described in the Energy Efficiency Sustainability Feature.
Energy Efficiency Measures	
Energy Efficiency. Maximize energy efficiency building and appliance standards, and pursue additional efficiency efforts including new technologies, and new policy and implementation mechanisms. Pursue comparable investment in energy efficiency from all retail providers of electricity in California (including both investor-owned and publicly owned utilities). Renewables Portfolio Standard. Achieve a 33 percent renewable energy mix statewide. Green Building Strategy. Expand the use of green building practices to reduce the carbon footprint of California's new and existing inventory of buildings.	Compliant. The proposed project would comply with the updated Title 24 standards, including the new 2013 California Building Code of Title 24, for building construction. In addition, the project would comply with the Energy Efficiency Sustainability Feature, including measures to incorporate energy efficient building design features.
Water Conservation and Efficiency Measures	
Water Use Efficiency. Continue efficiency programs and use cleaner energy sources to move and treat water. Approximately 19 percent of all electricity, 30 percent of all natural gas, and 88 million gallons of diesel are used to convey, treat, distribute and use water and wastewater. Increasing the efficiency of water transport and reducing water use would reduce GHG emissions.	Compliant. The project would be required to adhere to the mandatory measures as required by the CALGreen Code and Sustainability Features for water conservation.
Solid Waste Reduction Measures	
Increase Waste Diversion, Composting, and Commercial Recycling, and Move Toward Zero-Waste. Increase waste diversion from landfills beyond the 50 percent mandate to provide for additional recovery of recyclable materials. Composting and commercial recycling could have substantial GHG reduction benefits. In the long term, zero-waste policies that would require manufacturers to design products to be fully recyclable may be necessary.	Compliant. The proposed project would comply with the Materials Efficiency Sustainability Feature, including measures to increase solid waste diversion, composting, and recycling.
Transportation and Motor Vehicle Measures	
Vehicle Climate Change Standards. AB 1493 (Pavley) required the State to develop and adopt regulations that achieve the maximum feasible and cost-effective reduction of GHG emissions from passenger vehicles and light-duty trucks. Regulations were adopted by the ARB in September 2004. Light-Duty Vehicle Efficiency Measures. Implement additional measures that could reduce light-duty GHG emissions. For example, measures to ensure that tires are properly inflated can both reduce GHG emissions and improve fuel efficiency. Adopt Heavy- and Medium-Duty Fuel and Engine Efficiency Measures. Regulations to require retrofits to improve the fuel efficiency of heavy-duty trucks that could include devices that reduce aerodynamic drag and rolling resistance. This measure could also include hybridization of and increased engine	Compliant. The project does not involve the manufacture of vehicles. However, vehicles that are purchased and used within the project site would comply with any vehicle and fuel standards that the ARB adopted at the time of manufacture.

Table R: Project Compliance with Greenhouse Gas Emission Reduction Strategies

Strategy	Project Compliance
efficiency of vehicles. Low Carbon Fuel Standard. ARB identified this measure as a Discrete Early Action Measure. This measure would reduce the carbon intensity of California's transportation fuels by at least 10 percent by 2020.	
Regional Transportation-Related Greenhouse Gas Targets. Develop regional GHG emissions reduction targets for passenger vehicles. Local governments will play a significant role in the regional planning process to reach passenger vehicle GHG emissions reduction targets. Local governments have the ability to directly influence both the siting and design of new residential and commercial developments in a way that reduces GHGs associated with vehicle travel.	Compliant. The proposed project would apply Land Use Sustainability Features, which provide for non-vehicular modes of transportation; prioritize parking for electric, hybrid, and alternative fuel vehicles; and limit delivery truck idling and non-GHG-emitting public and individual transportation alternatives.
Measures to Reduce High Global Warming Potential (GWP) Gases. ARB has identified Discrete Early Action measures to reduce GHG emissions from the refrigerants used in car air conditioners, semiconductor manufacturing, and consumer products. ARB has also identified potential reduction opportunities for future commercial and industrial refrigeration, changing the refrigerants used in auto air-conditioning systems, and ensuring that existing car air-conditioning systems do not leak.	Compliant. New products used or serviced on the project site would comply with future ARB rules and regulations.

Source: Compiled by LSA Associates, Inc. (March 2016).

AB = Assembly Bill

ARB = California Air Resources Board

GHG = greenhouse gas

The strategies listed in Table R are part of the project plans, the *Subregional Climate Action Plan*, the Specific Plan or requirements under local or State regulations or ordinances. With implementation of these strategies/measures, the project's contribution to cumulative GHG emissions would be reduced.

5.4 LONG-TERM MICROSCALE (CO HOT-SPOT) ANALYSIS

Vehicular trips associated with the proposed project would contribute to congestion at intersections and along roadway segments in the project vicinity. Localized air quality effects would occur if emissions from vehicular traffic increase in local areas as a result of the proposed project. The primary mobile source pollutant of local concern is CO, which is a direct function of vehicle idling time and, thus, traffic flow conditions. CO transport is extremely limited; it disperses rapidly with distance from the source under normal meteorological conditions. However, under certain extreme meteorological conditions, CO concentrations proximate to a congested roadway or intersection may reach unhealthful levels affecting local sensitive receptors (residents, school children, the elderly, hospital patients, etc.). Typically, high CO concentrations are associated with roadways or intersections operating at unacceptable levels of service or with extremely high traffic volumes. In areas with high ambient background CO concentration, modeling is recommended to determine a project's effect on local CO levels.

The highest CO concentrations would occur during peak traffic hours; hence, CO impacts calculated under peak traffic conditions represent a worst-case analysis. Based on the *Traffic Impact Analysis (Revised)* prepared for this project (Kunzman Associates, Inc. 2016), CO hot-spot analyses were conducted for existing and future cumulative conditions. The impact on local CO levels was assessed with the ARB-approved CALINE4 air quality model, which allows microscale CO concentrations to be estimated along roadway corridors or near intersections (model output listed in Appendix C). This model is designed to identify localized concentrations of CO, often termed “hot spots.” A brief discussion of input to the CALINE4 model follows. The analysis was performed for the worst-case wind angle and wind speed condition and is based upon the following assumptions:

- Selected modeling locations represent the intersections closest to the project site, with the highest project-related vehicle turning movements and the worst level of service deterioration.
- Twenty receptor locations with the possibility of extended outdoor exposure from 7 m (approximately 23 ft) to 12 m (approximately 40 ft) of the roadway centerline near intersections were modeled to determine CO concentrations.
- The calculations assume a meteorological condition of almost no wind (0.5 m/second), a suburban topographical condition between the source and receptor, a temperature of 50°F and a mixing height of 1,000 root-mean-square (RMS), representing a worst-case scenario for CO concentrations.
- CO concentrations are calculated for the 1-hour averaging period and then compared to the 1-hour standards. CO 8-hour averages are extrapolated using techniques outlined in the SCAQMD *CEQA Air Quality Handbook* and compared to the 8-hour standards; a persistence factor of 0.7 was used to predict the 8-hour concentration in a nonattainment area.
- Concentrations are given in ppm at each of the receptor locations.
- The “at-grade” link option with speed adjusted based on average cruise speed and number of vehicles per lane per hour was used rather than the “intersection” link selection in the CALINE4 model. (Caltrans has suggested that the “intersection” link should not be used due to an inappropriate algorithm based on outdated vehicle distribution.) Emission factors from the EMFAC2011 model for all vehicles based on the adjusted speed for 2013, 2017, 2022, 2029, and 2035 were used for the vehicle fleet.
- The highest levels of the second-highest 1-hour and 8-hour CO concentrations monitored at the 24302 4th Street, San Bernardino station in the past 3 years were used as background concentrations: 2.2 ppm for the 1-hour CO and 1.7 ppm for the 8-hour CO. The “background” concentrations are then added to the model results for future with and without the proposed project conditions.

The proposed project would contribute to increased CO concentrations at intersections in the project vicinity. As shown in Table S, under existing and existing plus project conditions, all six intersections analyzed would have 1-hour and 8-hour CO concentrations below the federal and State standards. The proposed project would contribute at most a 0.7 ppm increase to the 1-hour CO concentrations and 0.5 ppm increase to the 8-hour CO concentrations at these intersections.

For the future scenarios, traffic volumes projected for 2017, 2022, 2029, and 2035 were used, with 2017, 2022, 2029, and 2035 emission factors for CO. The current year background CO concentrations at the 24302 4th Street, San Bernardino station were used for the future year conditions. Tables T

through Y show that, under the 2017, 2019, 2022, 2025, 2029, and 2035 conditions, none of the intersections analyzed would exceed either the 1-hour or the 8-hour CO concentration federal and State standards. The proposed project would not have a significant impact on local air quality for CO, and no mitigation measures would be required.

5.5 AIR QUALITY MANAGEMENT PLAN CONSISTENCY

A measure of determining if the project is consistent with the air quality plans is if the project will not result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations, or delay timely attainment of air quality standards of the interim emission reductions specified in the air quality plans.

Because of the region's nonattainment status for O₃, PM_{2.5}, and PM₁₀, if project-generated emissions of either of the O₃ precursor pollutants (i.e., ROG_s and NO_x), PM_{2.5}, or PM₁₀ would exceed the SCAQMD significance thresholds, then the project would be considered to conflict with the attainment plans.

The proposed Specific Plan would require a General Plan Amendment to allow the land uses as contained in the approved Rancho San Gorgonio Specific Plan. In addition, as indicated in the analysis above, the proposed project would exceed several SCAQMD emission thresholds during both construction and operation. Therefore, the emissions associated with occupation and use of the project are expected to exceed the General Plan projections and could contribute to air quality deterioration beyond current SCAQMD projections, and mitigation is required.

5.6 STANDARD CONDITIONS

5.6.1 Construction

The project is required to comply with regional rules that assist in reducing short-term air pollutant emissions. SCAQMD Rule 403 requires that fugitive dust be controlled with best available control measures (BACM) so that the presence of such dust does not remain visible in the atmosphere beyond the property line of the emission source. In addition, SCAQMD Rule 403 requires implementation of dust suppression techniques to prevent fugitive dust from creating a nuisance off site. Applicable dust suppression techniques from Rule 403 are summarized below. Implementation of these dust suppression techniques can reduce the fugitive dust generation (and thus the PM₁₀ component). Compliance with these rules would reduce impacts on nearby sensitive receptors.

The applicable Rule 403 measures are as follows:

- Apply nontoxic chemical soil stabilizers according to manufacturers' specifications to all inactive construction areas (previously graded areas inactive for 10 days or more).
- Water active sites at least twice daily. (Locations where grading is to occur will be thoroughly watered prior to earthmoving.)
- Cover all trucks hauling dirt, sand, soil, or other loose materials, or maintain at least 6 inches of freeboard (vertical space between the top of the load and top of the trailer) in accordance with the requirements of California Vehicle Code (CVC) Section 23114.

Table S: Existing (2014) CO Concentrations¹

Intersection	Distance from Road Centerline to Maximum CO Concentration Without/With Project (meters)	Without/With Project 1-Hour CO Concentration (ppm)	Project Related 1-Hour CO Concentration Increase (ppm)	Without/With Project 8-Hour CO Concentration (ppm)	Project Related 8-Hour CO Concentration Increase (ppm)	Exceeds State Standards ²	
						1-Hour (20 ppm)	8-Hour (9 ppm)
Sunset Avenue and I-10 EB Ramps	8 / 7	2.9 / 3.0	0.1	2.2 / 2.3	0.1	No	No
	8 / 8	2.8 / 2.9	0.1	2.1 / 2.2	0.1	No	No
	7 / 8	2.8 / 2.9	0.1	2.1 / 2.2	0.1	No	No
	7 / 7	2.8 / 2.9	0.1	2.1 / 2.2	0.1	No	No
Sunset Avenue and Westward Avenue	7 / 7	2.6 / 3.2	0.6	2.0 / 2.4	0.4	No	No
	7 / 7	2.6 / 3.2	0.6	2.0 / 2.4	0.4	No	No
	7 / 7	2.6 / 3.1	0.5	2.0 / 2.3	0.3	No	No
	7 / 7	2.6 / 3.0	0.4	2.0 / 2.3	0.3	No	No
22 nd Street and Westward Avenue	8 / 8	2.6 / 3.0	0.4	2.0 / 2.3	0.3	No	No
	8 / 8	2.6 / 2.9	0.3	2.0 / 2.2	0.2	No	No
	8 / 8	2.6 / 2.9	0.3	2.0 / 2.2	0.2	No	No
	8 / 8	2.6 / 2.9	0.3	2.0 / 2.2	0.2	No	No
8 th Street and I-10 WB Ramps	7 / 7	3.1 / 2.7	-0.4	2.3 / 2.0	-0.3	No	No
	7 / 8	3.0 / 2.7	-0.3	2.3 / 2.0	-0.3	No	No
	8 / 7	3.0 / 2.7	-0.3	2.3 / 2.0	-0.3	No	No
	8 / 8	2.9 / 2.7	-0.2	2.2 / 2.0	-0.2	No	No
8 th Street and I-10 EB Ramps	7 / 7	2.9 / 2.7	-0.2	2.2 / 2.0	-0.2	No	No
	8 / 8	2.9 / 2.7	-0.2	2.2 / 2.0	-0.2	No	No
	7 / 7	2.9 / 2.7	-0.2	2.2 / 2.0	-0.2	No	No
	7 / 8	2.6 / 2.8	0.2	2.0 / 2.1	0.1	No	No
8 th Street and Westward Avenue	7 / 8	2.6 / 2.8	0.2	2.0 / 2.1	0.1	No	No
	7 / 8	2.6 / 2.8	0.2	2.0 / 2.1	0.1	No	No
	7 / 8	2.6 / 2.8	0.2	2.0 / 2.1	0.1	No	No
	7 / 8	2.6 / 2.8	0.2	2.0 / 2.1	0.1	No	No

Source: Compiled by LSA Associates, Inc. (March 2016).

¹ Includes ambient 1-hour concentration of 2.5 ppm and ambient 1-hour concentration of 1.9 ppm. Measured at the Fs-590 Racquet Club Ave, Palm Springs, California Air Quality Station in Riverside County.

² The State 1-hour standard is 20 ppm, and the 8-hour standard is 9 ppm.

CO = carbon monoxide

EB = eastbound

I-10 = Interstate 10

ppm = parts per million

WB = westbound

Table T: 2017 – Phase 1 CO Concentrations¹

Intersection	Distance from Road Centerline to Maximum CO Concentration Without/With Project (meters)	Without/With Project 1-Hour CO Concentration (ppm)	Project Related 1-Hour CO Concentration Increase (ppm)	Without/With Project 8-Hour CO Concentration (ppm)	Project Related 8-Hour CO Concentration Increase (ppm)	Exceeds State Standards ²	
						1-Hour (20 ppm)	8-Hour (9 ppm)
Sunset Avenue and I-10 EB Ramps	8 / 8	2.8 / 2.8	0.0	2.1 / 2.1	0.0	No	No
	7 / 7	2.8 / 2.8	0.0	2.1 / 2.1	0.0	No	No
	8 / 8	2.8 / 2.8	0.0	2.1 / 2.1	0.0	No	No
	7 / 7	2.8 / 2.8	0.0	2.1 / 2.1	0.0	No	No
Sunset Avenue and Westward Avenue	7 / 7	2.6 / 2.6	0.0	2.0 / 2.0	0.0	No	No
	7 / 7	2.6 / 2.6	0.0	2.0 / 2.0	0.0	No	No
	7 / 7	2.6 / 2.6	0.0	2.0 / 2.0	0.0	No	No
	7 / 7	2.6 / 2.6	0.0	2.0 / 2.0	0.0	No	No
22 nd Street and Westward Avenue	8 / 8	2.6 / 2.6	0.0	2.0 / 2.0	0.0	No	No
	8 / 8	2.6 / 2.6	0.0	2.0 / 2.0	0.0	No	No
	8 / 8	2.6 / 2.6	0.0	2.0 / 2.0	0.0	No	No
	8 / 8	2.6 / 2.6	0.0	2.0 / 2.0	0.0	No	No
8 th Street and I-10 WB Ramps	7 / 7	3.0 / 2.9	-0.1	2.3 / 2.2	-0.1	No	No
	7 / 8	2.9 / 2.9	0.0	2.2 / 2.2	0.0	No	No
	8 / 8	2.9 / 2.9	0.0	2.2 / 2.2	0.0	No	No
	8 / 12	2.9 / 2.9	0.0	2.2 / 2.2	0.0	No	No
8 th Street and I-10 EB Ramps	8 / 8	2.9 / 2.9	0.0	2.2 / 2.2	0.0	No	No
	7 / 8	2.9 / 2.9	0.0	2.2 / 2.2	0.0	No	No
	8 / 7	2.8 / 2.9	0.1	2.1 / 2.2	0.1	No	No
	7 / 8	2.8 / 2.9	0.1	2.1 / 2.2	0.1	No	No
8 th Street and Westward Avenue	7 / 8	2.6 / 2.7	0.1	2.0 / 2.0	0.0	No	No
	7 / 8	2.6 / 2.7	0.1	2.0 / 2.0	0.0	No	No
	7 / 8	2.6 / 2.7	0.1	2.0 / 2.0	0.0	No	No
	7 / 8	2.6 / 2.7	0.1	2.0 / 2.0	0.0	No	No

Source: Compiled by LSA Associates, Inc. (March 2016).

¹ Includes ambient 1-hour concentration of 2.5 ppm and ambient 8-hour concentration of 1.9 ppm. Measured at the Fs-590 Racquet Club Ave, Palm Springs, CA Air Quality Station in Riverside County.

² The State 1-hour standard is 20 ppm, and the 8-hour standard is 9 ppm.

CO = carbon monoxide

EB = eastbound

I-10 = Interstate 10

ppm = parts per million

WB = westbound

Table U: 2019 – Phase 2 CO Concentrations¹

Intersection	Distance from Road Centerline to Maximum CO Concentration Without/With Project (meters)	Without/With Project 1-Hour CO Concentration (ppm)	Project Related 1-Hour CO Concentration Increase (ppm)	Without/With Project 8-Hour CO Concentration (ppm)	Project Related 8-Hour CO Concentration Increase (ppm)	Exceeds State Standards ²	
						1-Hour (20 ppm)	8-Hour (9 ppm)
Sunset Avenue and I-10 EB Ramps	8 / 8	2.9 / 2.6	-0.3	2.2 / 2.0	-0.2	No	No
	8 / 7	2.8 / 2.6	-0.2	2.1 / 2.0	-0.1	No	No
	7 / 8	2.8 / 2.6	-0.2	2.1 / 2.0	-0.1	No	No
	7 / 7	2.8 / 2.6	-0.2	2.1 / 2.0	-0.1	No	No
Sunset Avenue and Westward Avenue	7 / 7	2.6 / 2.6	0.0	2.0 / 2.0	0.0	No	No
	7 / 7	2.6 / 2.6	0.0	2.0 / 2.0	0.0	No	No
	7 / 7	2.6 / 2.6	0.0	2.0 / 2.0	0.0	No	No
	7 / 7	2.6 / 2.6	0.0	2.0 / 2.0	0.0	No	No
22 nd Street and Westward Avenue	8 / 8	2.6 / 2.6	0.0	2.0 / 2.0	0.0	No	No
	8 / 8	2.6 / 2.6	0.0	2.0 / 2.0	0.0	No	No
	8 / 8	2.6 / 2.6	0.0	2.0 / 2.0	0.0	No	No
	8 / 8	2.6 / 2.6	0.0	2.0 / 2.0	0.0	No	No
8 th Street and I-10 WB Ramps	7 / 7	3.0 / 2.6	-0.4	2.3 / 2.0	-0.3	No	No
	7 / 8	2.9 / 2.6	-0.3	2.2 / 2.0	-0.2	No	No
	8 / 7	2.9 / 2.6	-0.3	2.2 / 2.0	-0.2	No	No
	8 / 8	2.9 / 2.6	-0.3	2.2 / 2.0	-0.2	No	No
8 th Street and I-10 EB Ramps	8 / 7	2.9 / 2.7	-0.2	2.2 / 2.0	-0.2	No	No
	7 / 8	2.9 / 2.6	-0.3	2.2 / 2.0	-0.2	No	No
	8 / 8	2.8 / 2.6	-0.2	2.1 / 2.0	-0.1	No	No
	7 / 7	2.8 / 2.6	-0.2	2.1 / 2.0	-0.1	No	No
8 th Street and Westward Avenue	7 / 8	2.6 / 2.8	0.2	2.0 / 2.1	0.1	No	No
	7 / 8	2.6 / 2.8	0.2	2.0 / 2.1	0.1	No	No
	7 / 8	2.6 / 2.7	0.1	2.0 / 2.0	0.0	No	No
	7 / 8	2.6 / 2.7	0.1	2.0 / 2.0	0.0	No	No

Source: Compiled by LSA Associates, Inc. (March 2016).

¹ Includes ambient 1-hour concentration of 2.5 ppm and ambient 8-hour concentration of 1.9 ppm. Measured at the Fs-590 Racquet Club Ave, Palm Springs, CA Air Quality Station in Riverside County.

² The State 1-hour standard is 20 ppm, and the 8-hour standard is 9 ppm.

CO = carbon monoxide

EB = eastbound

I-10 = Interstate 10

ppm = parts per million

WB = westbound

Table V: 2022 – Phase 3 CO Concentrations¹

Intersection	Distance from Road Centerline to Maximum CO Concentration Without/With Project (meters)	Without/With Project 1-Hour CO Concentration (ppm)	Project Related 1-Hour CO Concentration Increase (ppm)	Without/With Project 8-Hour CO Concentration (ppm)	Project Related 8-Hour CO Concentration Increase (ppm)	Exceeds State Standards ²	
						1-Hour (20 ppm)	8-Hour (9 ppm)
Sunset Avenue and I-10 EB Ramps	8 / 8	2.7 / 2.8	0.1	2.0 / 2.1	0.1	No	No
	7 / 8	2.7 / 2.7	0.0	2.0 / 2.0	0.0	No	No
	8 / 7	2.7 / 2.7	0.0	2.0 / 2.0	0.0	No	No
	7 / 7	2.7 / 2.7	0.0	2.0 / 2.0	0.0	No	No
Sunset Avenue and Westward Avenue	7 / 7	2.6 / 2.7	0.1	2.0 / 2.0	0.0	No	No
	7 / 7	2.6 / 2.7	0.1	2.0 / 2.0	0.0	No	No
	7 / 7	2.6 / 2.6	0.0	2.0 / 2.0	0.0	No	No
	7 / 7	2.6 / 2.6	0.0	2.0 / 2.0	0.0	No	No
22 nd Street and Westward Avenue	8 / 8	2.6 / 2.7	0.1	2.0 / 2.0	0.0	No	No
	8 / 8	2.6 / 2.7	0.1	2.0 / 2.0	0.0	No	No
	8 / 8	2.6 / 2.6	0.0	2.0 / 2.0	0.0	No	No
	8 / 8	2.6 / 2.6	0.0	2.0 / 2.0	0.0	No	No
8 th Street and I-10 WB Ramps	7 / 7	2.8 / 2.9	0.1	2.1 / 2.2	0.1	No	No
	8 / 7	2.8 / 2.8	0.0	2.1 / 2.1	0.0	No	No
	7 / 8	2.8 / 2.8	0.0	2.1 / 2.1	0.0	No	No
	8 / 8	2.8 / 2.8	0.0	2.1 / 2.1	0.0	No	No
8 th Street and I-10 EB Ramps	8 / 8	2.7 / 2.8	0.1	2.0 / 2.1	0.1	No	No
	7 / 7	2.7 / 2.8	0.1	2.0 / 2.1	0.1	No	No
	8 / 8	2.7 / 2.8	0.1	2.0 / 2.1	0.1	No	No
	7 / 7	2.7 / 2.8	0.1	2.0 / 2.1	0.1	No	No
8 th Street and Westward Avenue	8 / 8	2.6 / 2.7	0.1	2.0 / 2.0	0.0	No	No
	8 / 8	2.6 / 2.7	0.1	2.0 / 2.0	0.0	No	No
	8 / 8	2.6 / 2.7	0.1	2.0 / 2.0	0.0	No	No
	8 / 8	2.6 / 2.7	0.1	2.0 / 2.0	0.0	No	No

Source: Compiled by LSA Associates, Inc. (March 2016).

¹ Includes ambient 1-hour concentration of 2.5 ppm and ambient 8-hour concentration of 1.9 ppm. Measured at the Fs-590 Racquet Club Ave, Palm Springs, CA Air Quality Station in Riverside County.

² The State 1-hour standard is 20 ppm, and the 8-hour standard is 9 ppm.

CO = carbon monoxide

EB = eastbound

I-10 = Interstate 10

ppm = parts per million

WB = westbound

Table W: 2025 – Phase 4 CO Concentrations¹

Intersection	Distance from Road Centerline to Maximum CO Concentration Without/With Project (meters)	Without/With Project 1-Hour CO Concentration (ppm)	Project Related 1-Hour CO Concentration Increase (ppm)	Without/With Project 8-Hour CO Concentration (ppm)	Project Related 8-Hour CO Concentration Increase (ppm)	Exceeds State Standards ²	
						1-Hour (20 ppm)	8-Hour (9 ppm)
Sunset Avenue and I-10 EB Ramps	8 / 8	2.7 / 2.8	0.1	2.0 / 2.1	0.1	No	No
	7 / 8	2.7 / 2.7	0.0	2.0 / 2.0	0.0	No	No
	8 / 7	2.7 / 2.7	0.0	2.0 / 2.0	0.0	No	No
	7 / 7	2.7 / 2.7	0.0	2.0 / 2.0	0.0	No	No
Sunset Avenue and Westward Avenue	7 / 7	2.6 / 2.7	0.1	2.0 / 2.0	0.0	No	No
	7 / 7	2.6 / 2.7	0.1	2.0 / 2.0	0.0	No	No
	7 / 7	2.6 / 2.7	0.1	2.0 / 2.0	0.0	No	No
	7 / 7	2.6 / 2.7	0.1	2.0 / 2.0	0.0	No	No
22 nd Street and Westward Avenue	8 / 8	2.6 / 2.7	0.1	2.0 / 2.0	0.0	No	No
	8 / 8	2.6 / 2.7	0.1	2.0 / 2.0	0.0	No	No
	8 / 8	2.6 / 2.7	0.1	2.0 / 2.0	0.0	No	No
	8 / 8	2.6 / 2.7	0.1	2.0 / 2.0	0.0	No	No
8 th Street and I-10 WB Ramps	7 / 7	2.8 / 2.8	0.0	2.1 / 2.1	0.0	No	No
	7 / 8	2.7 / 2.8	0.1	2.0 / 2.1	0.1	No	No
	8 / 7	2.7 / 2.7	0.0	2.0 / 2.0	0.0	No	No
	8 / 8	2.7 / 2.7	0.0	2.0 / 2.0	0.0	No	No
8 th Street and I-10 EB Ramps	8 / 8	2.7 / 2.7	0.0	2.0 / 2.0	0.0	No	No
	7 / 7	2.7 / 2.7	0.0	2.0 / 2.0	0.0	No	No
	8 / 8	2.7 / 2.7	0.0	2.0 / 2.0	0.0	No	No
	7 / 7	2.7 / 2.7	0.0	2.0 / 2.0	0.0	No	No
8 th Street and Westward Avenue	8 / 8	2.6 / 2.7	0.1	2.0 / 2.0	0.0	No	No
	8 / 8	2.6 / 2.6	0.0	2.0 / 2.0	0.0	No	No
	8 / 8	2.6 / 2.6	0.0	2.0 / 2.0	0.0	No	No
	8 / 8	2.6 / 2.6	0.0	2.0 / 2.0	0.0	No	No

Source: Compiled by LSA Associates, Inc. (March 2016).

¹ Includes ambient 1-hour concentration of 2.5 ppm and ambient 8-hour concentration of 1.9 ppm. Measured at the Fs-590 Racquet Club Ave, Palm Springs, CA Air Quality Station in Riverside County.

² The State 1-hour standard is 20 ppm, and the 8-hour standard is 9 ppm.

CO = carbon monoxide

EB = eastbound

I-10 = Interstate 10

ppm = parts per million

WB = westbound

Table X: 2029 – Phase 5 CO Concentrations¹

Intersection	Distance from Road Centerline to Maximum CO Concentration Without/With Project (meters)	Without/With Project 1-Hour CO Concentration (ppm)	Project Related 1-Hour CO Concentration Increase (ppm)	Without/With Project 8-Hour CO Concentration (ppm)	Project Related 8-Hour CO Concentration Increase (ppm)	Exceeds State Standards ²	
						1-Hour (20 ppm)	8-Hpur (9 ppm)
Sunset Avenue and I-10 EB Ramps	8 / 8	2.7 / 2.9	0.2	2.0 / 2.2	0.2	No	No
	7 / 7	2.7 / 2.9	0.2	2.0 / 2.2	0.2	No	No
	8 / 8	2.7 / 2.9	0.2	2.0 / 2.2	0.2	No	No
	7 / 8	2.7 / 2.9	0.2	2.0 / 2.2	0.2	No	No
Sunset Avenue and Westward Avenue	7 / 7	2.6 / 2.9	0.3	2.0 / 2.2	0.2	No	No
	7 / 7	2.6 / 2.8	0.2	2.0 / 2.1	0.1	No	No
	7 / 7	2.6 / 2.8	0.2	2.0 / 2.1	0.1	No	No
	7 / 7	2.6 / 2.8	0.2	2.0 / 2.1	0.1	No	No
22 nd Street and Westward Avenue	8 / 8	2.6 / 2.7	0.1	2.0 / 2.0	0.0	No	No
	8 / 8	2.6 / 2.7	0.1	2.0 / 2.0	0.0	No	No
	8 / 8	2.6 / 2.7	0.1	2.0 / 2.0	0.0	No	No
	8 / 8	2.6 / 2.7	0.1	2.0 / 2.0	0.0	No	No
8 th Street and I-10 WB Ramps	7 / 8	2.8 / 2.8	0.0	2.1 / 2.1	0.0	No	No
	7 / 7	2.7 / 2.8	0.1	2.0 / 2.1	0.1	No	No
	8 / 12	2.7 / 2.8	0.1	2.0 / 2.1	0.1	No	No
	8 / 8	2.7 / 2.8	0.1	2.0 / 2.1	0.1	No	No
8 th Street and I-10 EB Ramps	8 / 8	2.7 / 2.7	0.0	2.0 / 2.0	0.0	No	No
	7 / 7	2.7 / 2.7	0.0	2.0 / 2.0	0.0	No	No
	8 / 8	2.7 / 2.7	0.0	2.0 / 2.0	0.0	No	No
	7 / 7	2.7 / 2.7	0.0	2.0 / 2.0	0.0	No	No
8 th Street and Westward Avenue	8 / 8	2.6 / 2.7	0.1	2.0 / 2.0	0.0	No	No
	8 / 8	2.6 / 2.7	0.1	2.0 / 2.0	0.0	No	No
	8 / 8	2.6 / 2.7	0.1	2.0 / 2.0	0.0	No	No
	8 / 8	2.6 / 2.7	0.1	2.0 / 2.0	0.0	No	No

Source: Compiled by LSA Associates, Inc. (March 2016).

¹ Includes ambient 1-hour concentration of 2.5 ppm and ambient 8-hour concentration of 1.9 ppm. Measured at the Fs-590 Racquet Club Ave, Palm Springs, CA Air Quality Station in Riverside County.

² The State 1-hour standard is 20 ppm, and the 8-hour standard is 9 ppm.

CO = carbon monoxide

EB = eastbound

I-10 = Interstate 10

ppm = parts per million

WB = westbound

Table Y: 2035 – Phase 6 Buildout CO Concentrations¹

Intersection	Distance from Road Centerline to Maximum CO Concentration Without/With Project (meters)	Without/With Project 1-Hour CO Concentration (ppm)	Project Related 1-Hour CO Concentration Increase (ppm)	Without/With Project 8-Hour CO Concentration (ppm)	Project Related 8-Hour CO Concentration Increase (ppm)	Exceeds State Standards ²	
						1-Hour (20 ppm)	8-Hour (9 ppm)
Sunset Avenue and I-10 EB Ramps	8 / 8	2.7 / 2.8	0.1	2.0 / 2.1	0.1	No	No
	7 / 7	2.7 / 2.8	0.1	2.0 / 2.1	0.1	No	No
	8 / 8	2.7 / 2.8	0.1	2.0 / 2.1	0.1	No	No
	7 / 7	2.7 / 2.8	0.1	2.0 / 2.1	0.1	No	No
Sunset Avenue and Westward Avenue	8 / 12	2.6 / 2.7	0.1	2.0 / 2.0	0.0	No	No
	8 / 12	2.6 / 2.7	0.1	2.0 / 2.0	0.0	No	No
	8 / 12	2.6 / 2.7	0.1	2.0 / 2.0	0.0	No	No
	8 / 12	2.6 / 2.7	0.1	2.0 / 2.0	0.0	No	No
22 nd Street and Westward Avenue	8 / 8	2.6 / 2.7	0.1	2.0 / 2.0	0.0	No	No
	8 / 8	2.6 / 2.7	0.1	2.0 / 2.0	0.0	No	No
	8 / 8	2.6 / 2.7	0.1	2.0 / 2.0	0.0	No	No
	8 / 8	2.6 / 2.7	0.1	2.0 / 2.0	0.0	No	No
8 th Street and I-10 WB Ramps	7 / 7	2.8 / 2.8	0.0	2.1 / 2.1	0.0	No	No
	7 / 8	2.7 / 2.8	0.1	2.0 / 2.1	0.1	No	No
	8 / 7	2.7 / 2.7	0.0	2.0 / 2.0	0.0	No	No
	8 / 8	2.7 / 2.7	0.0	2.0 / 2.0	0.0	No	No
8 th Street and I-10 EB Ramps	8 / 8	2.7 / 2.7	0.0	2.0 / 2.0	0.0	No	No
	8 / 7	2.7 / 2.7	0.0	2.0 / 2.0	0.0	No	No
	7 / 8	2.7 / 2.7	0.0	2.0 / 2.0	0.0	No	No
	8 / 7	2.7 / 2.7	0.0	2.0 / 2.0	0.0	No	No
8 th Street and Westward Avenue	8 / 8	2.6 / 2.7	0.1	2.0 / 2.0	0.0	No	No
	8 / 8	2.6 / 2.7	0.1	2.0 / 2.0	0.0	No	No
	8 / 8	2.6 / 2.7	0.1	2.0 / 2.0	0.0	No	No
	8 / 12	2.6 / 2.6	0.0	2.0 / 2.0	0.0	No	No

Source: Compiled by LSA Associates, Inc. (March 2016).

¹ Includes ambient 1-hour concentration of 2.5 ppm and ambient 8-hour concentration of 1.9 ppm. Measured at the Fs-590 Racquet Club Ave, Palm Springs, CA Air Quality Station in Riverside County.

² The State 1-hour standard is 20 ppm, and the 8-hour standard is 9 ppm.

CO = carbon monoxide

EB = eastbound

I-10 = Interstate 10

ppm = parts per million

WB = westbound

- Pave construction access roads at least 30 m (100 ft) onto the site from the main road.
- Reduce traffic speeds on all unpaved roads to 15 mph or less.

Equipment Idling. Title 13, California Code of Regulations, Section 2449(d)(d) requires an operator of applicable off-road vehicles (self-propelled diesel-fueled vehicles 25 horsepower and up that were not designed to be driven on-road) to limit idling to no more than five minutes. Therefore, all construction vehicles shall be prohibited from idling in excess of 5 minutes, both on and off site.

5.7 MITIGATION MEASURES

The following mitigation measures would help to reduce the proposed project air quality and global climate change impacts.

5.7.1 Project Construction

Application of Architectural Coatings. Prior to issuance of any grading permits, the Director of the City of Banning Public Works Department, or designee, shall verify that construction contracts include a statement specifying that the Construction Contractor shall comply with the SCAQMD Rule 1113 and any other SCAQMD rules and regulations on the use of architectural coatings or high-volume, low-pressure (HVLP) spray methods. Emissions associated with architectural coatings would be reduced by complying with these rules and regulations, which include using pre-coated/natural colored building materials, using water-based or low-VOC coating, and using coating transfer or spray equipment with high transfer efficiency. As the emissions from architectural coatings will exceed the SCAQMD's thresholds, the use of low-VOC (e.g., 50 grams per liter [g/L] of VOC content or lower) shall be required for interior and exterior painting using an HVLP method.

EPA Tier 4-Final Emissions Standards. The applicant shall make available to the City of Banning Public Works Director, or designee, a comprehensive inventory of all off-road construction equipment equal to or greater than 50 horsepower (HP) that will be used an aggregate of 40 or more hours during any portion of construction activities for the project. The inventory shall include the horsepower rating, engine production year, and certification of the specified tier standard. A copy of each such unit's certified tier specification, best available control technology (BACT) documentation, and ARB or SCAQMD operating permit shall be provided on site at the time of mobilization of each applicable unit of equipment. Off-road diesel-powered equipment that will be used an aggregate of 40 or more hours during any portion of the construction activities for the project shall meet the EPA Tier 4 final emissions standards.

In the event that such equipment is not available, the mitigation measure should specify that use of Tier 3 construction equipment is sufficient so long as it can be demonstrated to the City that similar Tier 4 construction equipment is not readily available

Equipment Maintenance. All construction equipment shall be properly tuned and maintained in accordance with manufacturer's specifications.

Equipment Operation. General contractors shall maintain and operate construction equipment so as to minimize exhaust emissions. During construction, trucks and vehicles in loading and unloading queues would turn their engines off when not in use to reduce vehicle emissions. Construction emissions should be phased and scheduled to avoid emissions peaks and discontinued during second-stage smog alerts.

Generator Use. Electricity from power poles rather than temporary diesel- or gasoline-powered generators shall be used to the extent feasible.

5.7.2 Project Operations

Prior to issuance of any construction permits, future development applicants shall submit for review and approval by the City of Banning Public Works Director, building plans that incorporate measures such as, but not limited to, the following:

- **Operational Mitigation Measures (Transportation)**

- Applicants for future development projects shall provide evidence to the City that they would provide 1 electric car charging station for every 10 high-density residence and provisions for electric car charging stations in the garages of all very-low-density, low-density, medium-density, and medium-high-density housing.
- Applicants for future development projects shall provide evidence to the City that they would provide at least two designated parking spots for parking of zero-emission vehicles (ZEVs) or for car-sharing programs in all employee/worker parking areas.
- Applicants for future development projects shall provide evidence to the City that they would provide incentives for employees and the public to use public transportation such as discounted transit passes, reduced ticket prices at local events, and/or other incentives.
- Applicants for future development projects shall provide evidence to the City that they would implement a rideshare program for employees at retail/commercial sites.

- **Operational Mitigation Measures (Energy Efficiency)**

- Applicants for future development projects shall provide evidence to the City that they would design all structures to use passive heating, natural cooling, and reduced pavement to the extent feasible. All residences shall use either high-efficiency or solar hot water systems.
- Applicants for future development projects shall provide evidence to the City that they would limit the hours of operation of outdoor lighting in publicly accessible areas.
- Applicants for future development projects shall provide evidence to the City that they would install light-colored “cool” roofs on all commercial structures and cool pavements throughout the project site.
- Applicants for future development projects shall provide evidence to the City that they would require the use of electric/energy-efficient appliances (e.g., stoves) in all residences.

- **Operational Mitigation Measures (Other)**

- Prior to issuance of a building permit, the applicant shall submit a Construction Plan to the City for review and approval that demonstrates that the development will install photovoltaic panels on a minimum of 25 percent of the units within the development. The panels shall be capable of generating 25 percent of the projected electricity demand of each proposed housing unit. For non-residential projects, photovoltaic panels shall be installed, which shall provide a minimum of 25 percent of the electrical demand of the non-residential building.
- Provide outlets for electric and propane barbecues in every residence with an outside patio.
- Require that all homeowner associations' covenants, conditions and restrictions (CC&Rs) mandate the use of electric lawn mowers and leaf blowers by all residents.

5.7.3 Global Climate Change Impacts

The proposed project will employ a number of LEED GreenPoint Rated concepts, including water and energy use reduction, construction products, and waste stream reduction so as to exceed by 2012 the most current Title 24 standards. All main site lighting will be full-cutoff, neutral white LED fixtures to minimize energy use. To the satisfaction of the City, the following measures should be incorporated into the design and construction of the project (including specific building projects):

- **Energy Efficient Street Lights and Traffic Signals.** The City shall identify energy-efficient streetlights, which are currently available and which, when installed, will provide a 10 percent reduction beyond the 2016 baseline energy use for this infrastructure, and shall require the use of this technology in all new development. All new traffic lights installed within the project shall use LED technology.
- **Construction Waste Management Plan.** Prior to issuance of a building permit, the applicant shall submit a Construction Waste Management Plan to the City for review and approval. The plan shall include procedures to recycle and/or salvage at least 50 percent of nonhazardous construction and demolition debris and shall identify materials to be diverted from disposal and whether the materials will be stored on site or commingled. Excavated soil and land-clearing debris do not contribute to this credit. Calculation can be done by weight or by volume but must be documented.
- **Vehicle Idling Limits.** All commercial and retail development shall be required to post signs and limit idling time for commercial vehicles, including delivery trucks, to no more than 5 minutes of "non-essential" idling in compliance with the Diesel-Fueled Commercial Motor Vehicle Idling Airborne Toxic Control Measure (ATCM). This condition shall be included on future site development plans for review and approval by the City Development Services Director.

5.7.4 Level of Significance after Mitigation for Project Operations

With the EPA Tier 4-Final Emissions Standards mitigation measure described in Section 5.7.1, Tables Z through AE show that all construction emissions would be reduced to less than significant. However, even with all feasible mitigation measures in place, potential air quality impacts from operations would remain significant and unavoidable. Project impacts related to GHG emissions and GCC would be significant and unavoidable. The City will continue to work with this project to ensure

that the later phases will incorporate any new requirements or feasible measures to minimize the GHG emissions.

Table Z: Short-Term Regional Phase 1 Construction Emissions, 2017, With Mitigation

Construction Phase	Total Regional Pollutant Emissions (lbs/day)							
	ROG	NO _x	CO	SO _x	Fugitive PM ₁₀	Exhaust PM ₁₀	Fugitive PM _{2.5}	Exhaust PM _{2.5}
Site Preparation	1.0	20	25	0.042	7.2	0.96	3.9	0.96
Grading	1.6	30	39	0.065	3.6	1.3	1.5	1.3
Building Construction	2.0	18	30	0.051	1.5	1.0	0.4	1.0
Architectural Coating	23	1.5	3.2	0.0062	0.26	0.097	0.068	0.097
Paving	0.61	11	18	0.024	0.17	0.60	0.045	0.60
Peak Daily Emissions¹	28	81	120	0.19	17		9.9	
SCAQMD Thresholds	75	100	550	150	150		55	
Significant Emissions?	No	No	No	No	No		No	

Source: Compiled by LSA Associates, Inc. (March 2016).

Note: All equipment Tier 3.

¹ The peak daily emissions assume that all of the phases could overlap to occur all on 1 day.

CO = carbon monoxide

PM₁₀ = particulate matter less than 10 microns in size

lbs/day = pounds per day

ROG = reactive organic compounds

NO_x = nitrogen oxides

SCAQMD = South Coast Air Quality Management District

PM_{2.5} = particulate matter less than 2.5 microns in size

SO_x = sulfur oxides

Table AA: Short-Term Regional Phase 2 Construction Emissions, With Mitigation

Construction Phase	Total Regional Pollutant Emissions (lbs/day)							
	ROG	NO _x	CO	SO _x	Fugitive PM ₁₀	Exhaust PM ₁₀	Fugitive PM _{2.5}	Exhaust PM _{2.5}
Site Preparation	1	20	24	0.042	7.2	0.96	3.9	0.96
Grading	1.6	30	39	0.065	3.6	1.3	1.5	1.3
Building Construction	1.9	18	30	0.053	1.7	0.99	0.45	0.98
Architectural Coating	16	1.5	3.4	0.0067	0.29	0.097	0.077	0.097
Paving	0.6	11	18	0.024	0.17	0.6	0.045	0.6
Peak Daily Emissions¹	21	81	110	0.19	17		9.9	
SCAQMD Thresholds	75	100	550	150	150		55	
Significant Emissions?	No	No	No	No	No		No	

Source: Compiled by LSA Associates, Inc. (March 2016).

Note: All equipment Tier 3.

¹ The peak daily emissions assume that all of the phases could overlap to occur all on 1 day.

CO = carbon monoxide

PM₁₀ = particulate matter less than 10 microns in size

lbs/day = pounds per day

ROG = reactive organic compounds

NO_x = nitrogen oxides

SCAQMD = South Coast Air Quality Management District

PM_{2.5} = particulate matter less than 2.5 microns in size

SO_x = sulfur oxides

Table AB: Short-Term Regional Phase 3 Construction Emissions, With Mitigation

Construction Phase	Total Regional Pollutant Emissions (lbs/day)							
	ROG	NO _x	CO	SO _x	Fugitive PM ₁₀	Exhaust PM ₁₀	Fugitive PM _{2.5}	Exhaust PM _{2.5}
Site Preparation	1.0	20	24	0.042	7.2	0.96	3.9	0.96
Grading	1.6	30	39	0.065	3.6	1.3	1.5	1.3
Building Construction	1.9	18	31	0.060	2.1	0.98	0.56	0.98
Architectural Coating	6.1	1.5	3.5	0.010	0.36	0.10	0.090	0.10
Paving	0.59	11	18	0.024	0.17	0.60	0.045	0.6
Peak Daily Emissions¹	11	81	120	0.2	17		10	
SCAQMD Thresholds	75	100	550	150	150		55	
Significant Emissions?	No	No	No	No	No		No	

Source: Compiled by LSA Associates, Inc. (March 2016).

Note: All equipment Tier 3.

¹ The peak daily emissions assume that all of the phases could overlap to occur all on 1 day.

CO = carbon monoxide

lbs/day = pounds per day

NO_x = nitrogen oxides

PM_{2.5} = particulate matter less than 2.5 microns in size

PM₁₀ = particulate matter less than 10 microns in size

ROG = reactive organic compounds

SCAQMD = South Coast Air Quality Management District

SO_x = sulfur oxides

Table AC: Short-Term Regional Phase 4 Construction Emissions, With Mitigation

Construction Phase	Total Regional Pollutant Emissions (lbs/day)							
	ROG	NO _x	CO	SO _x	Fugitive PM ₁₀	Exhaust PM ₁₀	Fugitive PM _{2.5}	Exhaust PM _{2.5}
Site Preparation	0.53	2.1	22	0.042	7.2	0.065	3.9	0.065
Grading	0.82	3.4	36	0.065	3.6	0.10	1.5	0.10
Building Construction	5.6	19	100	0.28	18	0.43	5.2	0.41
Architectural Coating	17	0.93	11	0.036	2.6	0.024	0.68	0.022
Paving	0.62	1.2	17	0.024	0.17	0.038	0.045	0.038
Peak Daily Emissions¹	25	27	190	0.45	32		12	
SCAQMD Thresholds	75	100	550	150	150		55	
Significant Emissions?	No	No	No	No	No		No	

Source: Compiled by LSA Associates, Inc. (March 2016).

Note: All equipment Tier 4.

¹ The peak daily emissions assume that all of the phases could overlap to occur all on 1 day.

CO = carbon monoxide

lbs/day = pounds per day

NO_x = nitrogen oxides

PM_{2.5} = particulate matter less than 2.5 microns in size

PM₁₀ = particulate matter less than 10 microns in size

ROG = reactive organic compounds

SCAQMD = South Coast Air Quality Management District

SO_x = sulfur oxides

Table AD: Short-Term Regional Phase 5 Construction Emissions, With Mitigation

Construction Phase	Total Regional Pollutant Emissions (lbs/day)							
	ROG	NO _x	CO	SO _x	Fugitive PM ₁₀	Exhaust PM ₁₀	Fugitive PM _{2.5}	Exhaust PM _{2.5}
Site Preparation	0.52	2.1	22	0.042	7.2	0.065	3.9	0.065
Grading	0.80	3.3	35	0.065	3.6	0.10	1.5	0.10
Building Construction	1.8	6.3	36	0.10	5.1	0.18	1.4	0.17
Architectural Coating	16	0.35	4.5	0.015	0.93	0.011	0.25	0.011
Paving	0.30	1.2	17	0.030	0.17	0.038	0.045	0.038
Peak Daily Emissions¹	19	13	110	0.25	17		7.5	
SCAQMD Thresholds	75	100	550	150	150		55	
Significant Emissions?	No	No	No	No	No		No	

Source: Compiled by LSA Associates, Inc. (March 2016).

Note: All equipment Tier 4.

¹ The peak daily emissions assume that all of the phases could overlap to occur all on 1 day.

CO = carbon monoxide

lbs/day = pounds per day

NO_x = nitrogen oxides

PM_{2.5} = particulate matter less than 2.5 microns in size

PM₁₀ = particulate matter less than 10 microns in size

ROG = reactive organic compounds

SCAQMD = South Coast Air Quality Management District

SO_x = sulfur oxides

Table AE: Short-Term Regional Phase 6 Construction Emissions, With Mitigation

Construction Phase	Total Regional Pollutant Emissions (lbs/day)							
	ROG	NO _x	CO	SO _x	Fugitive PM ₁₀	Exhaust PM ₁₀	Fugitive PM _{2.5}	Exhaust PM _{2.5}
Site Preparation	0.50	2.1	22	0.045	7.2	0.065	3.9	0.065
Grading	0.79	3.3	35	0.071	3.6	0.10	1.5	0.10
Building Construction	0.55	2.8	19	0.038	0.43	0.066	0.12	0.065
Architectural Coating	3.9	0.14	2.0	0.0040	0.078	0.0046	0.021	0.0045
Paving	0.30	1.2	17	0.030	0.17	0.038	0.045	0.038
Peak Daily Emissions¹	6.0	9.5	95	0.19	12		5.9	
SCAQMD Thresholds	75	100	550	150	150		55	
Significant Emissions?	No	No	No	No	No		No	

Source: Compiled by LSA Associates, Inc. (March 2016).

Note: All equipment Tier 4.

¹ The peak daily emissions assume that all of the phases could overlap to occur all on 1 day.

CO = carbon monoxide

lbs/day = pounds per day

NO_x = nitrogen oxides

PM_{2.5} = particulate matter less than 2.5 microns in size

PM₁₀ = particulate matter less than 10 microns in size

ROG = reactive organic compounds

SCAQMD = South Coast Air Quality Management District

SO_x = sulfur oxides

5.8 CUMULATIVE IMPACTS

5.8.1 Construction

During construction, the project would temporarily contribute criteria pollutants to the area above the SCAQMD thresholds. Other projects in the area may be under construction at the same time as the proposed project. The concurrent construction of two or more projects would generate fugitive dust and equipment emissions that could result in substantial short-term increases in air pollutants in the local area. Each project would be required to comply with the SCAQMD's standard construction measures required in Rule 403. However, while the proposed project itself would not result in a

significant adverse air quality impact during construction with mitigation, the combination with other construction projects could potentially contribute to a significant short-term cumulative adverse air quality impact in the project area. Because the nature of these impacts are not quantifiable, there is no feasible mitigation available to reduce the cumulative construction-related ROG, NO_x, and CO impacts to below a level of significance, thus there is no mitigation that would reduce the project's contribution to cumulative short-term adverse air quality impacts to below a level of significance. Therefore, construction air quality impacts are considered cumulatively significant.

5.8.2 Operation

The traffic analysis for the project is a cumulative impact assessment because the traffic model forecasts total traffic based on known cumulative projects and the City's General Plan. Because this air quality impact analysis uses this same cumulative traffic data, it also assesses cumulative impacts. As stated above, operation of the project would result in emissions of ROG, NO_x, CO, PM₁₀, and PM_{2.5} that exceed the SCAQMD's daily thresholds. Because there is no feasible mitigation available to reduce the ROG, NO_x, CO, PM₁₀ and PM_{2.5} impacts of the project to below a level of significance, there is no mitigation that would reduce the project's contribution to cumulative long-term adverse air quality impacts to below a level of significance. Therefore, operational air quality impacts are considered cumulatively significant.

The proposed project emphasizes energy efficiency and water conservation, as described in Section 5.3.1, and would not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs. However, the proposed project would generate GHG emissions that exceed SCAQMD's Tier 4 performance targets. As a result, the proposed project's climate change impacts with regard to GHG emissions would be considered cumulatively significant.

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APPENDIX A

CALEEMOD MODEL PRINTOUTS

Rancho San Gorgonio Specific Plan - Phase 1 - Construction

South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	800.00	Student	1.54	66,882.70	0
Other Non-Asphalt Surfaces	17.00	Acre	17.00	0.00	0
Single Family Housing	239.00	Dwelling Unit	77.60	430,200.00	684

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2017
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - No buildings in the community parks (represented by Other Non-Asphalt Surfaces).

Construction Phase - Construction will be completed by 2017, assume architectural coatings applied during building construction.

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Trips and VMT -

Grading -

Architectural Coating -

Vehicle Trips - No operations

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - no operations

Consumer Products - no operations

Area Coating - no operations

Landscape Equipment - no operations

Energy Use - no operations

Water And Wastewater - no operations

Solid Waste - no operations

Construction Off-road Equipment Mitigation - Dust control measures as required by SCAQMD Rule 403.

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	110.00	217.00
tblConstructionPhase	NumDays	1,550.00	326.00
tblConstructionPhase	NumDays	155.00	22.00
tblConstructionPhase	NumDays	110.00	43.00
tblConstructionPhase	NumDays	60.00	22.00
tblConstructionPhase	PhaseEndDate	8/30/2018	10/31/2017
tblConstructionPhase	PhaseEndDate	12/29/2017	12/30/2017
tblConstructionPhase	PhaseStartDate	11/1/2017	1/2/2017
tblEnergyUse	LightingElect	4.20	0.00
tblEnergyUse	LightingElect	1,608.84	0.00
tblEnergyUse	NT24E	1.49	0.00
tblEnergyUse	NT24E	5,089.81	0.00
tblEnergyUse	NT24NG	1.79	0.00
tblEnergyUse	NT24NG	5,950.14	0.00
tblEnergyUse	T24E	3.40	0.00
tblEnergyUse	T24E	980.99	0.00
tblEnergyUse	T24NG	7.34	0.00
tblEnergyUse	T24NG	27,816.78	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00

tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	203.15	0.00
tblFireplaces	NumberNoFireplace	23.90	0.00
tblFireplaces	NumberWood	11.95	0.00
tblLandUse	LandUseSquareFeet	740,520.00	0.00
tblProjectCharacteristics	OperationalYear	2014	2017
tblSolidWaste	SolidWasteGenerationRate	146.00	0.00
tblSolidWaste	SolidWasteGenerationRate	280.44	0.00
tblVehicleTrips	ST_TR	10.08	0.00
tblVehicleTrips	SU_TR	8.77	0.00
tblVehicleTrips	WD_TR	1.29	0.00
tblVehicleTrips	WD_TR	9.57	0.00
tblWater	IndoorWaterUseRate	1,939,392.00	0.00
tblWater	IndoorWaterUseRate	15,571,812.12	0.00
tblWater	OutdoorWaterUseRate	4,987,008.00	0.00
tblWater	OutdoorWaterUseRate	9,817,011.99	0.00
tblWoodstoves	NumberCatalytic	11.95	0.00
tblWoodstoves	NumberNoncatalytic	11.95	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					

2016	6.5627	74.9179	50.4347	0.0646	18.2675	3.5861	21.2078	9.9840	3.2992	12.6892	0.0000	6,652.897 2	6,652.8972	1.9472	0.0000	6,693.788 1
2017	26.8797	32.1607	31.5105	0.0572	1.7626	2.0134	3.7761	0.4720	1.9005	2.3725	0.0000	5,282.880 7	5,282.8807	0.7621	0.0000	5,298.885 2
Total	33.4425	107.0785	81.9452	0.1218	20.0301	5.5995	24.9839	10.4560	5.1997	15.0617	0.0000	11,935.77 79	11,935.777 9	2.7093	0.0000	11,992.67 33

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	1.9112	29.8839	39.2405	0.0646	7.2470	1.3253	8.2098	3.9263	1.3251	4.8889	0.0000	6,652.897 2	6,652.8972	1.9472	0.0000	6,693.788 1
2017	24.5707	19.1515	31.5772	0.0572	1.7626	1.0811	2.8437	0.4720	1.0764	1.5484	0.0000	5,282.880 7	5,282.8807	0.7621	0.0000	5,298.885 2
Total	26.4820	49.0353	70.8176	0.1218	9.0097	2.4064	11.0535	4.3983	2.4015	6.4373	0.0000	11,935.77 79	11,935.777 9	2.7093	0.0000	11,992.67 33

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	20.81	54.21	13.58	0.00	55.02	57.03	55.76	57.94	53.81	57.26	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	10.4706	0.2330	20.0014	1.0500e- 003		0.1085	0.1085		0.1085	0.1085	0.0000	35.6828	35.6828	0.0361	0.0000	36.4416
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	10.4706	0.2330	20.0014	1.0500e-003	0.0000	0.1085	0.1085	0.0000	0.1085	0.1085	0.0000	35.6828	35.6828	0.0361	0.0000	36.4416

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	10.4706	0.2330	20.0014	1.0500e-003		0.1085	0.1085		0.1085	0.1085	0.0000	35.6828	35.6828	0.0361	0.0000	36.4416
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	10.4706	0.2330	20.0014	1.0500e-003	0.0000	0.1085	0.1085	0.0000	0.1085	0.1085	0.0000	35.6828	35.6828	0.0361	0.0000	36.4416

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2016	6/30/2016	5	22	
2	Grading	Grading	7/1/2016	8/1/2016	5	22	
3	Building Construction	Building Construction	8/2/2016	10/31/2017	5	326	
4	Architectural Coating	Architectural Coating	1/2/2017	10/31/2017	5	217	
5	Paving	Paving	11/1/2017	12/30/2017	5	43	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 55

Acres of Paving: 0

Residential Indoor: 871,155; Residential Outdoor: 290,385; Non-Residential Indoor: 100,324; Non-Residential Outdoor: 33,441

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Building Construction	9	114.00	37.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	23.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	5.0771	54.6323	41.1053	0.0391		2.9387	2.9387		2.7036	2.7036		4,065.0053	4,065.0053	1.2262		4,090.7544
Total	5.0771	54.6323	41.1053	0.0391	18.0663	2.9387	21.0049	9.9307	2.7036	12.6343		4,065.0053	4,065.0053	1.2262		4,090.7544

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0749	0.0937	1.1675	2.5500e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		214.1249	214.1249	0.0110	214.3554
Total	0.0749	0.0937	1.1675	2.5500e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		214.1249	214.1249	0.0110	214.3554

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.9515	19.4584	23.4003	0.0391		0.9611	0.9611		0.9611	0.9611	0.0000	4,065.0053	4,065.0053	1.2262		4,090.7544
Total	0.9515	19.4584	23.4003	0.0391	7.0458	0.9611	8.0069	3.8730	0.9611	4.8340	0.0000	4,065.0053	4,065.0053	1.2262		4,090.7544

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0749	0.0937	1.1675	2.5500e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		214.1249	214.1249	0.0110		214.3554
Total	0.0749	0.0937	1.1675	2.5500e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		214.1249	214.1249	0.0110		214.3554

3.3 Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	6.4795	74.8137	49.1374	0.0617		3.5842	3.5842		3.2975	3.2975		6,414.9807	6,414.9807	1.9350		6,455.6154
Total	6.4795	74.8137	49.1374	0.0617	8.6733	3.5842	12.2576	3.5965	3.2975	6.8940		6,414.9807	6,414.9807	1.9350		6,455.6154

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0833	0.1041	1.2973	2.8300e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		237.9165	237.9165	0.0122		238.1726
Total	0.0833	0.1041	1.2973	2.8300e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		237.9165	237.9165	0.0122		238.1726

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000			0.0000
Off-Road	1.5128	29.7798	37.9432	0.0617		1.3234	1.3234		1.3234	1.3234	0.0000	6,414.9807	6,414.9807	1.9350		6,455.6154
Total	1.5128	29.7798	37.9432	0.0617	3.3826	1.3234	4.7060	1.4026	1.3234	2.7260	0.0000	6,414.9807	6,414.9807	1.9350		6,455.6154

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0833	0.1041	1.2973	2.8300e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		237.9165	237.9165	0.0122		238.1726
Total	0.0833	0.1041	1.2973	2.8300e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		237.9165	237.9165	0.0122		238.1726

3.4 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620		2,683.1890

Total	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620		2,683.1890

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3091	3.2133	3.6906	8.0500e-003	0.2312	0.0522	0.2834	0.0659	0.0480	0.1138		807.3324	807.3324	5.7900e-003		807.4541
Worker	0.4746	0.5935	7.3944	0.0162	1.2743	0.0107	1.2849	0.3379	9.7900e-003	0.3477		1,356.1241	1,356.1241	0.0695		1,357.5841
Total	0.7837	3.8068	11.0850	0.0242	1.5055	0.0628	1.5683	0.4038	0.0578	0.4616		2,163.4565	2,163.4565	0.0753		2,165.0381

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1276	14.2859	18.2884	0.0268		0.9414	0.9414		0.9414	0.9414	0.0000	2,669.2864	2,669.2864	0.6620		2,683.1890
Total	1.1276	14.2859	18.2884	0.0268		0.9414	0.9414		0.9414	0.9414	0.0000	2,669.2864	2,669.2864	0.6620		2,683.1890

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3091	3.2133	3.6906	8.0500e-003	0.2312	0.0522	0.2834	0.0659	0.0480	0.1138		807.3324	807.3324	5.7900e-003		807.4541
Worker	0.4746	0.5935	7.3944	0.0162	1.2743	0.0107	1.2849	0.3379	9.7900e-003	0.3477		1,356.1241	1,356.1241	0.0695		1,357.5841
Total	0.7837	3.8068	11.0850	0.0242	1.5055	0.0628	1.5683	0.4038	0.0578	0.4616		2,163.4565	2,163.4565	0.0753		2,165.0381

3.4 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490
Total	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2833	2.9258	3.4710	8.0400e-003	0.2313	0.0466	0.2779	0.0659	0.0428	0.1087	794.2685	794.2685	5.6000e-003	794.3861	
Worker	0.4267	0.5360	6.6922	0.0161	1.2743	0.0103	1.2845	0.3379	9.4500e-003	0.3474	1,304.2256	1,304.2256	0.0642	1,305.5730	
Total	0.7100	3.4618	10.1632	0.0242	1.5056	0.0568	1.5624	0.4038	0.0523	0.4561	2,098.4941	2,098.4941	0.0698	2,099.9591	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0662	14.2245	18.2314	0.0268		0.9271	0.9271		0.9271	0.9271	0.0000	2,639.8053	2,639.8053	0.6497		2,653.4490
Total	1.0662	14.2245	18.2314	0.0268		0.9271	0.9271		0.9271	0.9271	0.0000	2,639.8053	2,639.8053	0.6497		2,653.4490

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2833	2.9258	3.4710	8.0400e-003	0.2313	0.0466	0.2779	0.0659	0.0428	0.1087		794.2685	794.2685	5.6000e-003		794.3861

Worker	0.4267	0.5360	6.6922	0.0161	1.2743	0.0103	1.2845	0.3379	9.4500e-003	0.3474		1,304.2256	1,304.2256	0.0642		1,305.5730
Total	0.7100	3.4618	10.1632	0.0242	1.5056	0.0568	1.5624	0.4038	0.0523	0.4561		2,098.4941	2,098.4941	0.0698		2,099.9591

3.5 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	22.6490					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297		282.0721
Total	22.9813	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297		282.0721

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0861	0.1081	1.3502	3.2600e-003	0.2571	2.0700e-003	0.2592	0.0682	1.9100e-003	0.0701		263.1332	263.1332	0.0129		263.4051
Total	0.0861	0.1081	1.3502	3.2600e-003	0.2571	2.0700e-003	0.2592	0.0682	1.9100e-003	0.0701		263.1332	263.1332	0.0129		263.4051

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	22.6490					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0297		282.0721
Total	22.7085	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0297		282.0721

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0861	0.1081	1.3502	3.2600e-003	0.2571	2.0700e-003	0.2592	0.0682	1.9100e-003	0.0701		263.1332	263.1332	0.0129		263.4051
Total	0.0861	0.1081	1.3502	3.2600e-003	0.2571	2.0700e-003	0.2592	0.0682	1.9100e-003	0.0701		263.1332	263.1332	0.0129		263.4051

3.6 Paving - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day				
Off-Road	1.9074	20.2964	14.7270	0.0223		1.1384	1.1384		1.0473	1.0473		2,281.0588	2,281.0588	0.6989	2,295.7360
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Total	1.9074	20.2964	14.7270	0.0223		1.1384	1.1384		1.0473	1.0473		2,281.0588	2,281.0588	0.6989	2,295.7360

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0561	0.0705	0.8806	2.1200e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2400e-003	0.0457		171.6086	171.6086	8.4400e-003		171.7859
Total	0.0561	0.0705	0.8806	2.1200e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2400e-003	0.0457		171.6086	171.6086	8.4400e-003		171.7859

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5490	11.0645	16.9276	0.0223		0.5982	0.5982		0.5982	0.5982	0.0000	2,281.0588	2,281.0588	0.6989		2,295.7360
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Total	0.5490	11.0645	16.9276	0.0223		0.5982	0.5982		0.5982	0.5982	0.0000	2,281.0588	2,281.0588	0.6989		2,295.7360

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0561	0.0705	0.8806	2.1200e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2400e-003	0.0457		171.6086	171.6086	8.4400e-003		171.7859
Total	0.0561	0.0705	0.8806	2.1200e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2400e-003	0.0457		171.6086	171.6086	8.4400e-003		171.7859

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.513125	0.060112	0.180262	0.139218	0.042100	0.006630	0.016061	0.030999	0.001941	0.002506	0.004348	0.000594	0.002104

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	10.4706	0.2330	20.0014	1.0500e-003		0.1085	0.1085		0.1085	0.1085	0.0000	35.6828	35.6828	0.0361	0.0000	36.4416
Unmitigated	10.4706	0.2330	20.0014	1.0500e-003		0.1085	0.1085		0.1085	0.1085	0.0000	35.6828	35.6828	0.0361	0.0000	36.4416

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.8422					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.6283	0.2330	20.0014	1.0500e-003		0.1085	0.1085		0.1085	0.1085		35.6828	35.6828	0.0361		36.4416
Total	10.4706	0.2330	20.0014	1.0500e-003		0.1085	0.1085		0.1085	0.1085	0.0000	35.6828	35.6828	0.0361	0.0000	36.4416

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.8422					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.6283	0.2330	20.0014	1.0500e-003		0.1085	0.1085		0.1085	0.1085		35.6828	35.6828	0.0361		36.4416
Total	10.4706	0.2330	20.0014	1.0500e-003		0.1085	0.1085		0.1085	0.1085	0.0000	35.6828	35.6828	0.0361	0.0000	36.4416

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Rancho San Gorgonio Specific Plan - Phase 1 - Construction

South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	800.00	Student	1.54	66,882.70	0
Other Non-Asphalt Surfaces	17.00	Acre	17.00	0.00	0
Single Family Housing	239.00	Dwelling Unit	77.60	430,200.00	684

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2017
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - No buildings in the community parks (represented by Other Non-Asphalt Surfaces).

Construction Phase - Construction will be completed by 2017, assume architectural coatings applied during building construction.

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Trips and VMT -

Grading -

Architectural Coating -

Vehicle Trips - No operations

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - no operations

Consumer Products - no operations

Area Coating - no operations

Landscape Equipment - no operations

Energy Use - no operations

Water And Wastewater - no operations

Solid Waste - no operations

Construction Off-road Equipment Mitigation - Dust control measures as required by SCAQMD Rule 403.

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	110.00	217.00
tblConstructionPhase	NumDays	1,550.00	326.00
tblConstructionPhase	NumDays	155.00	22.00
tblConstructionPhase	NumDays	110.00	43.00
tblConstructionPhase	NumDays	60.00	22.00
tblConstructionPhase	PhaseEndDate	8/30/2018	10/31/2017
tblConstructionPhase	PhaseEndDate	12/29/2017	12/30/2017
tblConstructionPhase	PhaseStartDate	11/1/2017	1/2/2017
tblEnergyUse	LightingElect	4.20	0.00
tblEnergyUse	LightingElect	1,608.84	0.00
tblEnergyUse	NT24E	1.49	0.00
tblEnergyUse	NT24E	5,089.81	0.00
tblEnergyUse	NT24NG	1.79	0.00
tblEnergyUse	NT24NG	5,950.14	0.00
tblEnergyUse	T24E	3.40	0.00
tblEnergyUse	T24E	980.99	0.00
tblEnergyUse	T24NG	7.34	0.00
tblEnergyUse	T24NG	27,816.78	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00

tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	203.15	0.00
tblFireplaces	NumberNoFireplace	23.90	0.00
tblFireplaces	NumberWood	11.95	0.00
tblLandUse	LandUseSquareFeet	740,520.00	0.00
tblProjectCharacteristics	OperationalYear	2014	2017
tblSolidWaste	SolidWasteGenerationRate	146.00	0.00
tblSolidWaste	SolidWasteGenerationRate	280.44	0.00
tblVehicleTrips	ST_TR	10.08	0.00
tblVehicleTrips	SU_TR	8.77	0.00
tblVehicleTrips	WD_TR	1.29	0.00
tblVehicleTrips	WD_TR	9.57	0.00
tblWater	IndoorWaterUseRate	1,939,392.00	0.00
tblWater	IndoorWaterUseRate	15,571,812.12	0.00
tblWater	OutdoorWaterUseRate	4,987,008.00	0.00
tblWater	OutdoorWaterUseRate	9,817,011.99	0.00
tblWoodstoves	NumberCatalytic	11.95	0.00
tblWoodstoves	NumberNoncatalytic	11.95	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					

2016	6.5646	74.9281	50.3334	0.0644	18.2675	3.5861	21.2078	9.9840	3.2992	12.6892	0.0000	6,638.1198	6,638.1198	1.9472	0.0000	6,679.0106
2017	26.9161	32.2961	31.5898	0.0559	1.7626	2.0139	3.7765	0.4720	1.9009	2.3729	0.0000	5,178.6485	5,178.6485	0.7623	0.0000	5,194.6567
Total	33.4807	107.2242	81.9232	0.1203	20.0301	5.6000	24.9843	10.4560	5.2001	15.0621	0.0000	11,816.7683	11,816.7683	2.7095	0.0000	11,873.6673

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	1.9515	29.8941	39.1392	0.0644	7.2470	1.3253	8.2098	3.9263	1.3251	4.8889	0.0000	6,638.1198	6,638.1198	1.9472	0.0000	6,679.0106
2017	24.6071	19.2869	31.6565	0.0559	1.7626	1.0816	2.8442	0.4720	1.0768	1.5488	0.0000	5,178.6485	5,178.6485	0.7623	0.0000	5,194.6567
Total	26.5587	49.1810	70.7957	0.1203	9.0097	2.4068	11.0540	4.3983	2.4019	6.4378	0.0000	11,816.7683	11,816.7683	2.7095	0.0000	11,873.6673

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	20.67	54.13	13.58	0.00	55.02	57.02	55.76	57.94	53.81	57.26	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	10.4706	0.2330	20.0014	1.0500e-003		0.1085	0.1085		0.1085	0.1085	0.0000	35.6828	35.6828	0.0361	0.0000	36.4416
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	10.4706	0.2330	20.0014	1.0500e-003	0.0000	0.1085	0.1085	0.0000	0.1085	0.1085	0.0000	35.6828	35.6828	0.0361	0.0000	36.4416

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	10.4706	0.2330	20.0014	1.0500e-003		0.1085	0.1085		0.1085	0.1085	0.0000	35.6828	35.6828	0.0361	0.0000	36.4416
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	10.4706	0.2330	20.0014	1.0500e-003	0.0000	0.1085	0.1085	0.0000	0.1085	0.1085	0.0000	35.6828	35.6828	0.0361	0.0000	36.4416

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2016	6/30/2016	5	22	
2	Grading	Grading	7/1/2016	8/1/2016	5	22	
3	Building Construction	Building Construction	8/2/2016	10/31/2017	5	326	
4	Architectural Coating	Architectural Coating	1/2/2017	10/31/2017	5	217	
5	Paving	Paving	11/1/2017	12/30/2017	5	43	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 55

Acres of Paving: 0

Residential Indoor: 871,155; Residential Outdoor: 290,385; Non-Residential Indoor: 100,324; Non-Residential Outdoor: 33,441

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Building Construction	9	114.00	37.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	23.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	5.0771	54.6323	41.1053	0.0391		2.9387	2.9387		2.7036	2.7036		4,065.0053	4,065.0053	1.2262		4,090.7544
Total	5.0771	54.6323	41.1053	0.0391	18.0663	2.9387	21.0049	9.9307	2.7036	12.6343		4,065.0053	4,065.0053	1.2262		4,090.7544

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0766	0.1029	1.0764	2.3900e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		200.8251	200.8251	0.0110		201.0556
Total	0.0766	0.1029	1.0764	2.3900e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		200.8251	200.8251	0.0110		201.0556

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.9515	19.4584	23.4003	0.0391		0.9611	0.9611		0.9611	0.9611	0.0000	4,065.0053	4,065.0053	1.2262		4,090.7544
Total	0.9515	19.4584	23.4003	0.0391	7.0458	0.9611	8.0069	3.8730	0.9611	4.8340	0.0000	4,065.0053	4,065.0053	1.2262		4,090.7544

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0766	0.1029	1.0764	2.3900e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		200.8251	200.8251	0.0110		201.0556
Total	0.0766	0.1029	1.0764	2.3900e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		200.8251	200.8251	0.0110		201.0556

3.3 Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	6.4795	74.8137	49.1374	0.0617		3.5842	3.5842		3.2975	3.2975		6,414.9807	6,414.9807	1.9350		6,455.6154
Total	6.4795	74.8137	49.1374	0.0617	8.6733	3.5842	12.2576	3.5965	3.2975	6.8940		6,414.9807	6,414.9807	1.9350		6,455.6154

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0851	0.1144	1.1960	2.6500e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		223.1390	223.1390	0.0122		223.3952
Total	0.0851	0.1144	1.1960	2.6500e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		223.1390	223.1390	0.0122		223.3952

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000			0.0000
Off-Road	1.5128	29.7798	37.9432	0.0617		1.3234	1.3234		1.3234	1.3234	0.0000	6,414.9807	6,414.9807	1.9350		6,455.6154
Total	1.5128	29.7798	37.9432	0.0617	3.3826	1.3234	4.7060	1.4026	1.3234	2.7260	0.0000	6,414.9807	6,414.9807	1.9350		6,455.6154

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0851	0.1144	1.1960	2.6500e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		223.1390	223.1390	0.0122		223.3952
Total	0.0851	0.1144	1.1960	2.6500e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		223.1390	223.1390	0.0122		223.3952

3.4 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620		2,683.1890

Total	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620		2,683.1890

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3388	3.2945	4.4298	8.0000e-003	0.2312	0.0527	0.2840	0.0659	0.0485	0.1143		800.5669	800.5669	5.9600e-003		800.6922
Worker	0.4852	0.6520	6.8172	0.0151	1.2743	0.0107	1.2849	0.3379	9.7900e-003	0.3477		1,271.8925	1,271.8925	0.0695		1,273.3524
Total	0.8240	3.9464	11.2470	0.0231	1.5055	0.0634	1.5689	0.4038	0.0583	0.4621		2,072.4594	2,072.4594	0.0755		2,074.0446

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1276	14.2859	18.2884	0.0268		0.9414	0.9414		0.9414	0.9414	0.0000	2,669.2864	2,669.2864	0.6620		2,683.1890
Total	1.1276	14.2859	18.2884	0.0268		0.9414	0.9414		0.9414	0.9414	0.0000	2,669.2864	2,669.2864	0.6620		2,683.1890

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3388	3.2945	4.4298	8.0000e-003	0.2312	0.0527	0.2840	0.0659	0.0485	0.1143		800.5669	800.5669	5.9600e-003		800.6922
Worker	0.4852	0.6520	6.8172	0.0151	1.2743	0.0107	1.2849	0.3379	9.7900e-003	0.3477		1,271.8925	1,271.8925	0.0695		1,273.3524
Total	0.8240	3.9464	11.2470	0.0231	1.5055	0.0634	1.5689	0.4038	0.0583	0.4621		2,072.4594	2,072.4594	0.0755		2,074.0446

3.4 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490
Total	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3094	2.9980	4.2053	7.9900e-003	0.2313	0.0470	0.2783	0.0659	0.0432	0.1091	787.5963	787.5963	5.7800e-003	787.7176	
Worker	0.4352	0.5886	6.1471	0.0151	1.2743	0.0103	1.2845	0.3379	9.4500e-003	0.3474	1,223.0443	1,223.0443	0.0642	1,224.3917	
Total	0.7446	3.5866	10.3524	0.0231	1.5056	0.0573	1.5628	0.4038	0.0527	0.4565	2,010.6406	2,010.6406	0.0699	2,012.1093	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0662	14.2245	18.2314	0.0268		0.9271	0.9271		0.9271	0.9271	0.0000	2,639.8053	2,639.8053	0.6497		2,653.4490
Total	1.0662	14.2245	18.2314	0.0268		0.9271	0.9271		0.9271	0.9271	0.0000	2,639.8053	2,639.8053	0.6497		2,653.4490

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3094	2.9980	4.2053	7.9900e-003	0.2313	0.0470	0.2783	0.0659	0.0432	0.1091		787.5963	787.5963	5.7800e-003		787.7176

Worker	0.4352	0.5886	6.1471	0.0151	1.2743	0.0103	1.2845	0.3379	9.4500e-003	0.3474		1,223.0443	1,223.0443	0.0642		1,224.3917
Total	0.7446	3.5866	10.3524	0.0231	1.5056	0.0573	1.5628	0.4038	0.0527	0.4565		2,010.6406	2,010.6406	0.0699		2,012.1093

3.5 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	22.6490					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297		282.0721
Total	22.9813	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297		282.0721

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0878	0.1188	1.2402	3.0500e-003	0.2571	2.0700e-003	0.2592	0.0682	1.9100e-003	0.0701		246.7546	246.7546	0.0129		247.0264
Total	0.0878	0.1188	1.2402	3.0500e-003	0.2571	2.0700e-003	0.2592	0.0682	1.9100e-003	0.0701		246.7546	246.7546	0.0129		247.0264

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	22.6490					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0297		282.0721
Total	22.7085	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0297		282.0721

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0878	0.1188	1.2402	3.0500e-003	0.2571	2.0700e-003	0.2592	0.0682	1.9100e-003	0.0701		246.7546	246.7546	0.0129		247.0264
Total	0.0878	0.1188	1.2402	3.0500e-003	0.2571	2.0700e-003	0.2592	0.0682	1.9100e-003	0.0701		246.7546	246.7546	0.0129		247.0264

3.6 Paving - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day				
Off-Road	1.9074	20.2964	14.7270	0.0223		1.1384	1.1384		1.0473	1.0473		2,281.0588	2,281.0588	0.6989	2,295.7360
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Total	1.9074	20.2964	14.7270	0.0223		1.1384	1.1384		1.0473	1.0473		2,281.0588	2,281.0588	0.6989	2,295.7360

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0573	0.0775	0.8088	1.9900e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2400e-003	0.0457		160.9269	160.9269	8.4400e-003		161.1042
Total	0.0573	0.0775	0.8088	1.9900e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2400e-003	0.0457		160.9269	160.9269	8.4400e-003		161.1042

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5490	11.0645	16.9276	0.0223		0.5982	0.5982		0.5982	0.5982	0.0000	2,281.0588	2,281.0588	0.6989		2,295.7360
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Total	0.5490	11.0645	16.9276	0.0223		0.5982	0.5982		0.5982	0.5982	0.0000	2,281.0588	2,281.0588	0.6989		2,295.7360

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0573	0.0775	0.8088	1.9900e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2400e-003	0.0457		160.9269	160.9269	8.4400e-003		161.1042
Total	0.0573	0.0775	0.8088	1.9900e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2400e-003	0.0457		160.9269	160.9269	8.4400e-003		161.1042

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.513125	0.060112	0.180262	0.139218	0.042100	0.006630	0.016061	0.030999	0.001941	0.002506	0.004348	0.000594	0.002104

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	10.4706	0.2330	20.0014	1.0500e-003		0.1085	0.1085		0.1085	0.1085	0.0000	35.6828	35.6828	0.0361	0.0000	36.4416
Unmitigated	10.4706	0.2330	20.0014	1.0500e-003		0.1085	0.1085		0.1085	0.1085	0.0000	35.6828	35.6828	0.0361	0.0000	36.4416

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.8422					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.6283	0.2330	20.0014	1.0500e-003		0.1085	0.1085		0.1085	0.1085		35.6828	35.6828	0.0361		36.4416
Total	10.4706	0.2330	20.0014	1.0500e-003		0.1085	0.1085		0.1085	0.1085	0.0000	35.6828	35.6828	0.0361	0.0000	36.4416

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.8422					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.6283	0.2330	20.0014	1.0500e-003		0.1085	0.1085		0.1085	0.1085		35.6828	35.6828	0.0361		36.4416
Total	10.4706	0.2330	20.0014	1.0500e-003		0.1085	0.1085		0.1085	0.1085	0.0000	35.6828	35.6828	0.0361	0.0000	36.4416

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Rancho San Gorgonio Specific Plan - Phase 1 - Construction

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	800.00	Student	1.54	66,882.70	0
Other Non-Asphalt Surfaces	17.00	Acre	17.00	0.00	0
Single Family Housing	239.00	Dwelling Unit	77.60	430,200.00	684

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2017
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - No buildings in the community parks (represented by Other Non-Asphalt Surfaces).

Construction Phase - Construction will be completed by 2017, assume architectural coatings applied during building construction.

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Trips and VMT -

Grading -

Architectural Coating -

Vehicle Trips - No operations

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - no operations

Consumer Products - no operations

Area Coating - no operations

Landscape Equipment - no operations

Energy Use - no operations

Water And Wastewater - no operations

Solid Waste - no operations

Construction Off-road Equipment Mitigation - Dust control measures as required by SCAQMD Rule 403.

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	110.00	217.00
tblConstructionPhase	NumDays	1,550.00	326.00
tblConstructionPhase	NumDays	155.00	22.00
tblConstructionPhase	NumDays	110.00	43.00
tblConstructionPhase	NumDays	60.00	22.00
tblConstructionPhase	PhaseEndDate	8/30/2018	10/31/2017
tblConstructionPhase	PhaseEndDate	12/29/2017	12/30/2017
tblConstructionPhase	PhaseStartDate	11/1/2017	1/2/2017
tblEnergyUse	LightingElect	4.20	0.00
tblEnergyUse	LightingElect	1,608.84	0.00
tblEnergyUse	NT24E	1.49	0.00
tblEnergyUse	NT24E	5,089.81	0.00
tblEnergyUse	NT24NG	1.79	0.00
tblEnergyUse	NT24NG	5,950.14	0.00
tblEnergyUse	T24E	3.40	0.00
tblEnergyUse	T24E	980.99	0.00
tblEnergyUse	T24NG	7.34	0.00
tblEnergyUse	T24NG	27,816.78	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00

tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	203.15	0.00
tblFireplaces	NumberNoFireplace	23.90	0.00
tblFireplaces	NumberWood	11.95	0.00
tblLandUse	LandUseSquareFeet	740,520.00	0.00
tblProjectCharacteristics	OperationalYear	2014	2017
tblSolidWaste	SolidWasteGenerationRate	146.00	0.00
tblSolidWaste	SolidWasteGenerationRate	280.44	0.00
tblVehicleTrips	ST_TR	10.08	0.00
tblVehicleTrips	SU_TR	8.77	0.00
tblVehicleTrips	WD_TR	1.29	0.00
tblVehicleTrips	WD_TR	9.57	0.00
tblWater	IndoorWaterUseRate	1,939,392.00	0.00
tblWater	IndoorWaterUseRate	15,571,812.12	0.00
tblWater	OutdoorWaterUseRate	4,987,008.00	0.00
tblWater	OutdoorWaterUseRate	9,817,011.99	0.00
tblWoodstoves	NumberCatalytic	11.95	0.00
tblWoodstoves	NumberNoncatalytic	11.95	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					

2016	0.3573	3.1996	2.6424	3.9000e-003	0.3793	0.1825	0.5617	0.1717	0.1700	0.3416	0.0000	344.4890	344.4890	0.0682	0.0000	345.9220
2017	2.9583	3.9509	3.7690	6.6300e-003	0.1913	0.2430	0.4343	0.0513	0.2288	0.2801	0.0000	560.0460	560.0460	0.0888	0.0000	561.9112
Total	3.3156	7.1505	6.4114	0.0105	0.5706	0.4254	0.9961	0.2230	0.3987	0.6217	0.0000	904.5351	904.5351	0.1571	0.0000	907.8332

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2016	0.1331	1.5423	2.3127	3.9000e-003	0.1999	0.0799	0.2798	0.0809	0.0796	0.1605	0.0000	344.4887	344.4887	0.0682	0.0000	345.9217
2017	2.6786	2.3409	3.8235	6.6300e-003	0.1913	0.1302	0.3215	0.0513	0.1297	0.1810	0.0000	560.0456	560.0456	0.0888	0.0000	561.9108
Total	2.8117	3.8832	6.1362	0.0105	0.3912	0.2101	0.6013	0.1322	0.2093	0.3415	0.0000	904.5344	904.5344	0.1571	0.0000	907.8325

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	15.20	45.69	4.29	0.00	31.44	50.61	39.63	40.71	47.50	45.06	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.8748	0.0291	2.5002	1.3000e-004		0.0136	0.0136		0.0136	0.0136	0.0000	4.0464	4.0464	4.1000e-003	0.0000	4.1324
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.8748	0.0291	2.5002	1.3000e-004	0.0000	0.0136	0.0136	0.0000	0.0136	0.0136	0.0000	4.0464	4.0464	4.1000e-003	0.0000	4.1324

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.8748	0.0291	2.5002	1.3000e-004		0.0136	0.0136		0.0136	0.0136	0.0000	4.0464	4.0464	4.1000e-003	0.0000	4.1324
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.8748	0.0291	2.5002	1.3000e-004	0.0000	0.0136	0.0136	0.0000	0.0136	0.0136	0.0000	4.0464	4.0464	4.1000e-003	0.0000	4.1324

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2016	6/30/2016	5	22	
2	Grading	Grading	7/1/2016	8/1/2016	5	22	
3	Building Construction	Building Construction	8/2/2016	10/31/2017	5	326	
4	Architectural Coating	Architectural Coating	1/2/2017	10/31/2017	5	217	
5	Paving	Paving	11/1/2017	12/30/2017	5	43	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 55

Acres of Paving: 0

Residential Indoor: 871,155; Residential Outdoor: 290,385; Non-Residential Indoor: 100,324; Non-Residential Outdoor: 33,441

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36

Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	114.00	37.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	23.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1987	0.0000	0.1987	0.1092	0.0000	0.1092	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0559	0.6010	0.4522	4.3000e-004		0.0323	0.0323		0.0297	0.0297	0.0000	40.5648	40.5648	0.0122	0.0000	40.8218
Total	0.0559	0.6010	0.4522	4.3000e-004	0.1987	0.0323	0.2311	0.1092	0.0297	0.1390	0.0000	40.5648	40.5648	0.0122	0.0000	40.8218

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.9000e-004	1.1700e-003	0.0121	3.0000e-005	2.1700e-003	2.0000e-005	2.1900e-003	5.8000e-004	2.0000e-005	5.9000e-004	0.0000	2.0352	2.0352	1.1000e-004	0.0000	2.0375
Total	7.9000e-004	1.1700e-003	0.0121	3.0000e-005	2.1700e-003	2.0000e-005	2.1900e-003	5.8000e-004	2.0000e-005	5.9000e-004	0.0000	2.0352	2.0352	1.1000e-004	0.0000	2.0375

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0775	0.0000	0.0775	0.0426	0.0000	0.0426	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0105	0.2140	0.2574	4.3000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	40.5648	40.5648	0.0122	0.0000	40.8217
Total	0.0105	0.2140	0.2574	4.3000e-004	0.0775	0.0106	0.0881	0.0426	0.0106	0.0532	0.0000	40.5648	40.5648	0.0122	0.0000	40.8217

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.9000e-004	1.1700e-003	0.0121	3.0000e-005	2.1700e-003	2.0000e-005	2.1900e-003	5.8000e-004	2.0000e-005	5.9000e-004	0.0000	2.0352	2.0352	1.1000e-004	0.0000	2.0375
Total	7.9000e-004	1.1700e-003	0.0121	3.0000e-005	2.1700e-003	2.0000e-005	2.1900e-003	5.8000e-004	2.0000e-005	5.9000e-004	0.0000	2.0352	2.0352	1.1000e-004	0.0000	2.0375

3.3 Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0954	0.0000	0.0954	0.0396	0.0000	0.0396	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0713	0.8230	0.5405	6.8000e-004		0.0394	0.0394		0.0363	0.0363	0.0000	64.0153	64.0153	0.0193	0.0000	64.4208
Total	0.0713	0.8230	0.5405	6.8000e-004	0.0954	0.0394	0.1348	0.0396	0.0363	0.0758	0.0000	64.0153	64.0153	0.0193	0.0000	64.4208

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Worker	8.8000e-004	1.3000e-003	0.0135	3.0000e-005	2.4100e-003	2.0000e-005	2.4300e-003	6.4000e-004	2.0000e-005	6.6000e-004	0.0000	2.2614	2.2614	1.2000e-004	0.0000	2.2639
Total	8.8000e-004	1.3000e-003	0.0135	3.0000e-005	2.4100e-003	2.0000e-005	2.4300e-003	6.4000e-004	2.0000e-005	6.6000e-004	0.0000	2.2614	2.2614	1.2000e-004	0.0000	2.2639

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0372	0.0000	0.0372	0.0154	0.0000	0.0154	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0166	0.3276	0.4174	6.8000e-004		0.0146	0.0146		0.0146	0.0146	0.0000	64.0152	64.0152	0.0193	0.0000	64.4207
Total	0.0166	0.3276	0.4174	6.8000e-004	0.0372	0.0146	0.0518	0.0154	0.0146	0.0300	0.0000	64.0152	64.0152	0.0193	0.0000	64.4207

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.8000e-004	1.3000e-003	0.0135	3.0000e-005	2.4100e-003	2.0000e-005	2.4300e-003	6.4000e-004	2.0000e-005	6.6000e-004	0.0000	2.2614	2.2614	1.2000e-004	0.0000	2.2639
Total	8.8000e-004	1.3000e-003	0.0135	3.0000e-005	2.4100e-003	2.0000e-005	2.4300e-003	6.4000e-004	2.0000e-005	6.6000e-004	0.0000	2.2614	2.2614	1.2000e-004	0.0000	2.2639

3.4 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1856	1.5536	1.0086	1.4600e-003		0.1072	0.1072		0.1007	0.1007	0.0000	131.9737	131.9737	0.0327	0.0000	132.6611
Total	0.1856	1.5536	1.0086	1.4600e-003		0.1072	0.1072		0.1007	0.1007	0.0000	131.9737	131.9737	0.0327	0.0000	132.6611

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0179	0.1831	0.2350	4.4000e-004	0.0124	2.8600e-003	0.0153	3.5400e-003	2.6300e-003	6.1700e-003	0.0000	39.7753	39.7753	2.9000e-004	0.0000	39.7814
Worker	0.0249	0.0366	0.3805	8.4000e-004	0.0682	5.8000e-004	0.0688	0.0181	5.3000e-004	0.0186	0.0000	63.8633	63.8633	3.4400e-003	0.0000	63.9355
Total	0.0429	0.2197	0.6156	1.2800e-003	0.0806	3.4400e-003	0.0840	0.0216	3.1600e-003	0.0248	0.0000	103.6386	103.6386	3.7300e-003	0.0000	103.7169

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Off-Road	0.0615	0.7786	0.9967	1.4600e-003		0.0513	0.0513		0.0513	0.0513	0.0000	131.9736	131.9736	0.0327	0.0000	132.6609
Total	0.0615	0.7786	0.9967	1.4600e-003		0.0513	0.0513		0.0513	0.0513	0.0000	131.9736	131.9736	0.0327	0.0000	132.6609

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0179	0.1831	0.2350	4.4000e-004	0.0124	2.8600e-003	0.0153	3.5400e-003	2.6300e-003	6.1700e-003	0.0000	39.7753	39.7753	2.9000e-004	0.0000	39.7814
Worker	0.0249	0.0366	0.3805	8.4000e-004	0.0682	5.8000e-004	0.0688	0.0181	5.3000e-004	0.0186	0.0000	63.8633	63.8633	3.4400e-003	0.0000	63.9355
Total	0.0429	0.2197	0.6156	1.2800e-003	0.0806	3.4400e-003	0.0840	0.0216	3.1600e-003	0.0248	0.0000	103.6386	103.6386	3.7300e-003	0.0000	103.7169

3.4 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3366	2.8650	1.9670	2.9100e-003		0.1933	0.1933		0.1815	0.1815	0.0000	259.8348	259.8348	0.0640	0.0000	261.1778
Total	0.3366	2.8650	1.9670	2.9100e-003		0.1933	0.1933		0.1815	0.1815	0.0000	259.8348	259.8348	0.0640	0.0000	261.1778

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0327	0.3317	0.4434	8.7000e-004	0.0247	5.0700e-003	0.0298	7.0500e-003	4.6700e-003	0.0117	0.0000	77.9037	77.9037	5.6000e-004	0.0000	77.9154
Worker	0.0444	0.0658	0.6836	1.6700e-003	0.1357	1.1100e-003	0.1368	0.0360	1.0300e-003	0.0371	0.0000	122.2598	122.2598	6.3200e-003	0.0000	122.3924
Total	0.0771	0.3974	1.1269	2.5400e-003	0.1604	6.1800e-003	0.1666	0.0431	5.7000e-003	0.0488	0.0000	200.1634	200.1634	6.8800e-003	0.0000	200.3078

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1157	1.5434	1.9781	2.9100e-003		0.1006	0.1006		0.1006	0.1006	0.0000	259.8345	259.8345	0.0640	0.0000	261.1775
Total	0.1157	1.5434	1.9781	2.9100e-003		0.1006	0.1006		0.1006	0.1006	0.0000	259.8345	259.8345	0.0640	0.0000	261.1775

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0327	0.3317	0.4434	8.7000e-004	0.0247	5.0700e-003	0.0298	7.0500e-003	4.6700e-003	0.0117	0.0000	77.9037	77.9037	5.6000e-004	0.0000	77.9154
Worker	0.0444	0.0658	0.6836	1.6700e-003	0.1357	1.1100e-003	0.1368	0.0360	1.0300e-003	0.0371	0.0000	122.2598	122.2598	6.3200e-003	0.0000	122.3924
Total	0.0771	0.3974	1.1269	2.5400e-003	0.1604	6.1800e-003	0.1666	0.0431	5.7000e-003	0.0488	0.0000	200.1634	200.1634	6.8800e-003	0.0000	200.3078

3.5 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.4574					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0361	0.2371	0.2027	3.2000e-004		0.0188	0.0188		0.0188	0.0188	0.0000	27.7028	27.7028	2.9200e-003	0.0000	27.7642
Total	2.4935	0.2371	0.2027	3.2000e-004		0.0188	0.0188		0.0188	0.0188	0.0000	27.7028	27.7028	2.9200e-003	0.0000	27.7642

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9600e-003	0.0133	0.1379	3.4000e-004	0.0274	2.2000e-004	0.0276	7.2700e-003	2.1000e-004	7.4800e-003	0.0000	24.6664	24.6664	1.2700e-003	0.0000	24.6932
Total	8.9600e-003	0.0133	0.1379	3.4000e-004	0.0274	2.2000e-004	0.0276	7.2700e-003	2.1000e-004	7.4800e-003	0.0000	24.6664	24.6664	1.2700e-003	0.0000	24.6932

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.4574					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.4500e-003	0.1472	0.1988	3.2000e-004		0.0103	0.0103		0.0103	0.0103	0.0000	27.7028	27.7028	2.9200e-003	0.0000	27.7642
Total	2.4639	0.1472	0.1988	3.2000e-004		0.0103	0.0103		0.0103	0.0103	0.0000	27.7028	27.7028	2.9200e-003	0.0000	27.7642

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9600e-003	0.0133	0.1379	3.4000e-004	0.0274	2.2000e-004	0.0276	7.2700e-003	2.1000e-004	7.4800e-003	0.0000	24.6664	24.6664	1.2700e-003	0.0000	24.6932

Total	8.9600e-003	0.0133	0.1379	3.4000e-004	0.0274	2.2000e-004	0.0276	7.2700e-003	2.1000e-004	7.4800e-003	0.0000	24.6664	24.6664	1.2700e-003	0.0000	24.6932

3.6 Paving - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0410	0.4364	0.3166	4.8000e-004		0.0245	0.0245		0.0225	0.0225	0.0000	44.4909	44.4909	0.0136	0.0000	44.7771
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0410	0.4364	0.3166	4.8000e-004		0.0245	0.0245		0.0225	0.0225	0.0000	44.4909	44.4909	0.0136	0.0000	44.7771

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1600e-003	1.7100e-003	0.0178	4.0000e-005	3.5400e-003	3.0000e-005	3.5700e-003	9.4000e-004	3.0000e-005	9.7000e-004	0.0000	3.1877	3.1877	1.6000e-004	0.0000	3.1912
Total	1.1600e-003	1.7100e-003	0.0178	4.0000e-005	3.5400e-003	3.0000e-005	3.5700e-003	9.4000e-004	3.0000e-005	9.7000e-004	0.0000	3.1877	3.1877	1.6000e-004	0.0000	3.1912

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0118	0.2379	0.3639	4.8000e-004		0.0129	0.0129		0.0129	0.0129	0.0000	44.4908	44.4908	0.0136	0.0000	44.7771
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0118	0.2379	0.3639	4.8000e-004		0.0129	0.0129		0.0129	0.0129	0.0000	44.4908	44.4908	0.0136	0.0000	44.7771

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1600e-003	1.7100e-003	0.0178	4.0000e-005	3.5400e-003	3.0000e-005	3.5700e-003	9.4000e-004	3.0000e-005	9.7000e-004	0.0000	3.1877	3.1877	1.6000e-004	0.0000	3.1912
Total	1.1600e-003	1.7100e-003	0.0178	4.0000e-005	3.5400e-003	3.0000e-005	3.5700e-003	9.4000e-004	3.0000e-005	9.7000e-004	0.0000	3.1877	3.1877	1.6000e-004	0.0000	3.1912

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.513125	0.060112	0.180262	0.139218	0.042100	0.006630	0.016061	0.030999	0.001941	0.002506	0.004348	0.000594	0.002104

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Elementary School	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			

Elementary School	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.8748	0.0291	2.5002	1.3000e-004		0.0136	0.0136		0.0136	0.0136	0.0000	4.0464	4.0464	4.1000e-003	0.0000	4.1324
Unmitigated	1.8748	0.0291	2.5002	1.3000e-004		0.0136	0.0136		0.0136	0.0136	0.0000	4.0464	4.0464	4.1000e-003	0.0000	4.1324

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.7962					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0785	0.0291	2.5002	1.3000e-004		0.0136	0.0136		0.0136	0.0136	0.0000	4.0464	4.0464	4.1000e-003	0.0000	4.1324
Total	1.8748	0.0291	2.5002	1.3000e-004		0.0136	0.0136		0.0136	0.0136	0.0000	4.0464	4.0464	4.1000e-003	0.0000	4.1324

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.7962					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0785	0.0291	2.5002	1.3000e-004		0.0136	0.0136		0.0136	0.0136	0.0000	4.0464	4.0464	4.1000e-003	0.0000	4.1324
Total	1.8748	0.0291	2.5002	1.3000e-004		0.0136	0.0136		0.0136	0.0136	0.0000	4.0464	4.0464	4.1000e-003	0.0000	4.1324

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Elementary School	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Elementary School	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Elementary School	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Elementary School	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Rancho San Gorgonio Specific Plan - Phase 2 - Construction

South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	18.70	Acre	18.70	0.00	0
Single Family Housing	359.00	Dwelling Unit	116.56	646,200.00	1027

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2019
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - No buildings in the community parks (represented by Other Non-Asphalt Surfaces).

Construction Phase - Construction will be completed by 2019, assume architectural coatings applied during building construction.

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Trips and VMT -

Grading -

Architectural Coating -

Vehicle Trips - No operations

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - no operations

Consumer Products - no operations

Area Coating - no operations

Landscape Equipment - no operations

Energy Use - no operations

Water And Wastewater - no operations

Solid Waste - no operations

Construction Off-road Equipment Mitigation - Dust control measures as required by SCAQMD Rule 403.

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	220.00	325.00
tblConstructionPhase	NumDays	3,100.00	389.00
tblConstructionPhase	NumDays	310.00	44.00
tblConstructionPhase	NumDays	120.00	22.00
tblConstructionPhase	PhaseEndDate	11/27/2019	8/29/2018
tblConstructionPhase	PhaseEndDate	4/3/2017	3/2/2017
tblConstructionPhase	PhaseStartDate	8/30/2018	6/1/2017
tblConstructionPhase	PhaseStartDate	2/1/2017	1/2/2017
tblEnergyUse	LightingElect	1,608.84	0.00
tblEnergyUse	NT24E	5,089.81	0.00
tblEnergyUse	NT24NG	5,950.14	0.00
tblEnergyUse	T24E	980.99	0.00
tblEnergyUse	T24NG	27,816.78	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	305.15	0.00
tblFireplaces	NumberNoFireplace	35.90	0.00
tblFireplaces	NumberWood	17.95	0.00
tblLandUse	LandUseSquareFeet	814,572.00	0.00
tblProjectCharacteristics	OperationalYear	2014	2019

tblSolidWaste	SolidWasteGenerationRate	421.07	0.00
tblVehicleTrips	ST_TR	10.08	0.00
tblVehicleTrips	SU_TR	8.77	0.00
tblVehicleTrips	WD_TR	9.57	0.00
tblWater	IndoorWaterUseRate	23,390,295.20	0.00
tblWater	OutdoorWaterUseRate	14,746,055.67	0.00
tblWoodstoves	NumberCatalytic	17.95	0.00
tblWoodstoves	NumberNoncatalytic	17.95	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	19.8574	121.5241	88.4328	0.1062	27.1644	6.0748	33.2392	13.6398	5.5889	19.2287	0.0000	10,751.1968	10,751.1968	3.1823	0.0000	10,818.0257
2018	19.3149	28.6871	31.0505	0.0600	1.9701	1.7035	3.6736	0.5271	1.6094	2.1365	0.0000	5,400.7493	5,400.7493	0.7521	0.0000	5,416.5440
2019	1.4724	14.9940	15.1005	0.0244	0.1677	0.8107	0.9784	0.0445	0.7459	0.7903	0.0000	2,367.9321	2,367.9321	0.7062	0.0000	2,382.7629
Total	40.6448	165.2053	134.5838	0.1906	29.3021	8.5890	37.8911	14.2114	7.9441	22.1555	0.0000	18,519.8781	18,519.8781	4.6407	0.0000	18,617.3326

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	17.5484	49.4169	63.5742	0.1062	10.8532	2.2879	13.1411	5.3883	2.2876	7.6759	0.0000	10,751.1968	10,751.1968	3.1823	0.0000	10,818.0257
2018	17.4141	18.9433	31.6738	0.0600	1.9701	1.0666	3.0367	0.5271	1.0620	1.5891	0.0000	5,400.7493	5,400.7493	0.7521	0.0000	5,416.5440
2019	0.5956	11.1231	17.6629	0.0244	0.1677	0.5995	0.7671	0.0445	0.5994	0.6439	0.0000	2,367.9321	2,367.9321	0.7062	0.0000	2,382.7629
Total	35.5581	79.4833	112.9110	0.1906	12.9910	3.9540	16.9449	5.9599	3.9490	9.9088	0.0000	18,519.8781	18,519.8781	4.6407	0.0000	18,617.3326

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	12.51	51.89	16.10	0.00	55.67	53.96	55.28	58.06	50.29	55.28	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	13.7061	0.3448	29.7666	1.5600e-003		0.1631	0.1631		0.1631	0.1631	0.0000	53.3344	53.3344	0.0524	0.0000	54.4339
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	13.7061	0.3448	29.7666	1.5600e-003	0.0000	0.1631	0.1631	0.0000	0.1631	0.1631	0.0000	53.3344	53.3344	0.0524	0.0000	54.4339

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	13.7061	0.3448	29.7666	1.5600e-003		0.1631	0.1631		0.1631	0.1631	0.0000	53.3344	53.3344	0.0524	0.0000	54.4339
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	13.7061	0.3448	29.7666	1.5600e-003	0.0000	0.1631	0.1631	0.0000	0.1631	0.1631	0.0000	53.3344	53.3344	0.0524	0.0000	54.4339

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2017	1/31/2017	5	22	
2	Grading	Grading	1/2/2017	3/2/2017	5	44	
3	Building Construction	Building Construction	3/3/2017	8/29/2018	5	389	
4	Architectural Coating	Architectural Coating	6/1/2017	8/29/2018	5	325	
5	Paving	Paving	8/30/2018	7/3/2019	5	220	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 110

Acres of Paving: 0

Residential Indoor: 1,308,555; Residential Outdoor: 436,185; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	129.00	38.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	26.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339		4,003.0859	4,003.0859	1.2265		4,028.8432
Total	4.8382	51.7535	39.3970	0.0391	18.0663	2.7542	20.8205	9.9307	2.5339	12.4646		4,003.0859	4,003.0859	1.2265		4,028.8432

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0674	0.0846	1.0567	2.5500e-003	0.2012	1.6200e-003	0.2028	0.0534	1.4900e-003	0.0549		205.9304	205.9304	0.0101		206.1431
Total	0.0674	0.0846	1.0567	2.5500e-003	0.2012	1.6200e-003	0.2028	0.0534	1.4900e-003	0.0549		205.9304	205.9304	0.0101		206.1431

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.9515	19.4584	23.4003	0.0391		0.9611	0.9611		0.9611	0.9611	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432
Total	0.9515	19.4584	23.4003	0.0391	7.0458	0.9611	8.0069	3.8730	0.9611	4.8340	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0674	0.0846	1.0567	2.5500e-003	0.2012	1.6200e-003	0.2028	0.0534	1.4900e-003	0.0549		205.9304	205.9304	0.0101		206.1431
Total	0.0674	0.0846	1.0567	2.5500e-003	0.2012	1.6200e-003	0.2028	0.0534	1.4900e-003	0.0549		205.9304	205.9304	0.0101		206.1431

3.3 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	6.0991	69.5920	46.8050	0.0617		3.3172	3.3172		3.0518	3.0518		6,313.3690	6,313.3690	1.9344		6,353.9915
Total	6.0991	69.5920	46.8050	0.0617	8.6733	3.3172	11.9905	3.5965	3.0518	6.6483		6,313.3690	6,313.3690	1.9344		6,353.9915

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0749	0.0940	1.1741	2.8300e-003	0.2236	1.8000e-003	0.2254	0.0593	1.6600e-003	0.0610		228.8115	228.8115	0.0113		229.0479
Total	0.0749	0.0940	1.1741	2.8300e-003	0.2236	1.8000e-003	0.2254	0.0593	1.6600e-003	0.0610		228.8115	228.8115	0.0113		229.0479

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000			0.0000
Off-Road	1.5128	29.7798	37.9432	0.0617		1.3234	1.3234		1.3234	1.3234	0.0000	6,313.3690	6,313.3690	1.9344		6,353.9915
Total	1.5128	29.7798	37.9432	0.0617	3.3826	1.3234	4.7060	1.4026	1.3234	2.7260	0.0000	6,313.3690	6,313.3690	1.9344		6,353.9915

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0749	0.0940	1.1741	2.8300e-003	0.2236	1.8000e-003	0.2254	0.0593	1.6600e-003	0.0610		228.8115	228.8115	0.0113		229.0479
Total	0.0749	0.0940	1.1741	2.8300e-003	0.2236	1.8000e-003	0.2254	0.0593	1.6600e-003	0.0610		228.8115	228.8115	0.0113		229.0479

3.4 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490
Total	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2910	3.0049	3.5648	8.2600e-003	0.2376	0.0478	0.2854	0.0677	0.0440	0.1116		815.7352	815.7352	5.7500e-003		815.8560
Worker	0.4828	0.6065	7.5728	0.0183	1.4419	0.0116	1.4535	0.3824	0.0107	0.3931		1,475.8342	1,475.8342	0.0726		1,477.3589
Total	0.7738	3.6114	11.1375	0.0265	1.6795	0.0594	1.7389	0.4501	0.0547	0.5047		2,291.5694	2,291.5694	0.0784		2,293.2149

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0662	14.2245	18.2314	0.0268		0.9271	0.9271		0.9271	0.9271	0.0000	2,639.8053	2,639.8053	0.6497		2,653.4490
Total	1.0662	14.2245	18.2314	0.0268		0.9271	0.9271		0.9271	0.9271	0.0000	2,639.8053	2,639.8053	0.6497		2,653.4490

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.2910	3.0049	3.5648	8.2600e-003	0.2376	0.0478	0.2854	0.0677	0.0440	0.1116		815.7352	815.7352	5.7500e-003		815.8560
Worker	0.4828	0.6065	7.5728	0.0183	1.4419	0.0116	1.4535	0.3824	0.0107	0.3931		1,475.8342	1,475.8342	0.0726		1,477.3589
Total	0.7738	3.6114	11.1375	0.0265	1.6795	0.0594	1.7389	0.4501	0.0547	0.5047		2,291.5694	2,291.5694	0.0784		2,293.2149

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517
Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2729	2.7594	3.3963	8.2500e-003	0.2376	0.0451	0.2826	0.0677	0.0415	0.1091		802.0560	802.0560	5.7200e-003		802.1761
Worker	0.4353	0.5502	6.8806	0.0183	1.4419	0.0113	1.4532	0.3824	0.0105	0.3929		1,420.9190	1,420.9190	0.0674		1,422.3341
Total	0.7082	3.3096	10.2769	0.0265	1.6795	0.0564	1.7358	0.4501	0.0519	0.5020		2,222.9750	2,222.9750	0.0731		2,224.5102

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0071	14.1658	18.1778	0.0268		0.9129	0.9129		0.9129	0.9129	0.0000	2,609.9389	2,609.9389	0.6387		2,623.3517
Total	1.0071	14.1658	18.1778	0.0268		0.9129	0.9129		0.9129	0.9129	0.0000	2,609.9389	2,609.9389	0.6387		2,623.3517

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2729	2.7594	3.3963	8.2500e-003	0.2376	0.0451	0.2826	0.0677	0.0415	0.1091		802.0560	802.0560	5.7200e-003		802.1761
Worker	0.4353	0.5502	6.8806	0.0183	1.4419	0.0113	1.4532	0.3824	0.0105	0.3929		1,420.9190	1,420.9190	0.0674		1,422.3341
Total	0.7082	3.3096	10.2769	0.0265	1.6795	0.0564	1.7358	0.4501	0.0519	0.5020		2,222.9750	2,222.9750	0.0731		2,224.5102

3.5 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.5517					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297		282.0721
Total	15.8840	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297		282.0721

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0973	0.1223	1.5263	3.6800e-003	0.2906	2.3400e-003	0.2930	0.0771	2.1600e-003	0.0792		297.4550	297.4550	0.0146		297.7623
Total	0.0973	0.1223	1.5263	3.6800e-003	0.2906	2.3400e-003	0.2930	0.0771	2.1600e-003	0.0792		297.4550	297.4550	0.0146		297.7623

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.5517					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0297		282.0721
Total	15.6111	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0297		282.0721

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0973	0.1223	1.5263	3.6800e-003	0.2906	2.3400e-003	0.2930	0.0771	2.1600e-003	0.0792		297.4550	297.4550	0.0146		297.7623
Total	0.0973	0.1223	1.5263	3.6800e-003	0.2906	2.3400e-003	0.2930	0.0771	2.1600e-003	0.0792		297.4550	297.4550	0.0146		297.7623

3.5 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.5517					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102
Total	15.8503	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0877	0.1109	1.3868	3.6800e-003	0.2906	2.2800e-003	0.2929	0.0771	2.1100e-003	0.0792		286.3868	286.3868	0.0136		286.6720
Total	0.0877	0.1109	1.3868	3.6800e-003	0.2906	2.2800e-003	0.2929	0.0771	2.1100e-003	0.0792		286.3868	286.3868	0.0136		286.6720

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.5517					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4485	281.4485	0.0267		282.0102
Total	15.6111	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4485	281.4485	0.0267		282.0102

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0877	0.1109	1.3868	3.6800e-003	0.2906	2.2800e-003	0.2929	0.0771	2.1100e-003	0.0792	286.3868	286.3868	0.0136	286.6720		
Total	0.0877	0.1109	1.3868	3.6800e-003	0.2906	2.2800e-003	0.2929	0.0771	2.1100e-003	0.0792	286.3868	286.3868	0.0136	286.6720		

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635		2,245.2695	2,245.2695	0.6990		2,259.9481
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635		2,245.2695	2,245.2695	0.6990		2,259.9481

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.0506	0.0640	0.8001	2.1200e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		165.2231	165.2231	7.8400e-003		165.3877
Total	0.0506	0.0640	0.8001	2.1200e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		165.2231	165.2231	7.8400e-003		165.3877

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5490	11.0645	16.9276	0.0223		0.5982	0.5982		0.5982	0.5982	0.0000	2,245.2695	2,245.2695	0.6990		2,259.9481
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5490	11.0645	16.9276	0.0223		0.5982	0.5982		0.5982	0.5982	0.0000	2,245.2695	2,245.2695	0.6990		2,259.9481

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0506	0.0640	0.8001	2.1200e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		165.2231	165.2231	7.8400e-003		165.3877
Total	0.0506	0.0640	0.8001	2.1200e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		165.2231	165.2231	7.8400e-003		165.3877

3.6 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4259	14.9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447		2,208.9731	2,208.9731	0.6989		2,223.6499
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4259	14.9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447		2,208.9731	2,208.9731	0.6989		2,223.6499

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0466	0.0587	0.7353	2.1200e-003	0.1677	1.2900e-003	0.1690	0.0445	1.2000e-003	0.0457		158.9589	158.9589	7.3300e-003		159.1130
Total	0.0466	0.0587	0.7353	2.1200e-003	0.1677	1.2900e-003	0.1690	0.0445	1.2000e-003	0.0457		158.9589	158.9589	7.3300e-003		159.1130

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Off-Road	0.5490	11.0645	16.9276	0.0223		0.5982	0.5982		0.5982	0.5982	0.0000	2,208.9731	2,208.9731	0.6989		2,223.6499
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5490	11.0645	16.9276	0.0223		0.5982	0.5982		0.5982	0.5982	0.0000	2,208.9731	2,208.9731	0.6989		2,223.6499

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0466	0.0587	0.7353	2.1200e-003	0.1677	1.2900e-003	0.1690	0.0445	1.2000e-003	0.0457		158.9589	158.9589	7.3300e-003		159.1130
Total	0.0466	0.0587	0.7353	2.1200e-003	0.1677	1.2900e-003	0.1690	0.0445	1.2000e-003	0.0457		158.9589	158.9589	7.3300e-003		159.1130

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.511108	0.059746	0.180859	0.139188	0.042462	0.006666	0.016153	0.032295	0.001940	0.002496	0.004377	0.000582	0.002128

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	13.7061	0.3448	29.7666	1.5600e-003		0.1631	0.1631		0.1631	0.1631	0.0000	53.3344	53.3344	0.0524	0.0000	54.4339
Unmitigated	13.7061	0.3448	29.7666	1.5600e-003		0.1631	0.1631		0.1631	0.1631	0.0000	53.3344	53.3344	0.0524	0.0000	54.4339

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	12.7948					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.9113	0.3448	29.7666	1.5600e-003		0.1631	0.1631		0.1631	0.1631		53.3344	53.3344	0.0524		54.4339
Total	13.7061	0.3448	29.7666	1.5600e-003		0.1631	0.1631		0.1631	0.1631	0.0000	53.3344	53.3344	0.0524	0.0000	54.4339

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	12.7948					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.9113	0.3448	29.7666	1.5600e-003		0.1631	0.1631		0.1631	0.1631		53.3344	53.3344	0.0524		54.4339
Total	13.7061	0.3448	29.7666	1.5600e-003		0.1631	0.1631		0.1631	0.1631	0.0000	53.3344	53.3344	0.0524	0.0000	54.4339

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Rancho San Gorgonio Specific Plan - Phase 2 - Construction

South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	18.70	Acre	18.70	0.00	0
Single Family Housing	359.00	Dwelling Unit	116.56	646,200.00	1027

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2019
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - No buildings in the community parks (represented by Other Non-Asphalt Surfaces).

Construction Phase - Construction will be completed by 2019, assume architectural coatings applied during building construction.

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Trips and VMT -

Grading -

Architectural Coating -

Vehicle Trips - No operations

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - no operations

Consumer Products - no operations

Area Coating - no operations

Landscape Equipment - no operations

Energy Use - no operations

Water And Wastewater - no operations

Solid Waste - no operations

Construction Off-road Equipment Mitigation - Dust control measures as required by SCAQMD Rule 403.

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	220.00	325.00
tblConstructionPhase	NumDays	3,100.00	389.00
tblConstructionPhase	NumDays	310.00	44.00
tblConstructionPhase	NumDays	120.00	22.00
tblConstructionPhase	PhaseEndDate	11/27/2019	8/29/2018
tblConstructionPhase	PhaseEndDate	4/3/2017	3/2/2017
tblConstructionPhase	PhaseStartDate	8/30/2018	6/1/2017
tblConstructionPhase	PhaseStartDate	2/1/2017	1/2/2017
tblEnergyUse	LightingElect	1,608.84	0.00
tblEnergyUse	NT24E	5,089.81	0.00
tblEnergyUse	NT24NG	5,950.14	0.00
tblEnergyUse	T24E	980.99	0.00
tblEnergyUse	T24NG	27,816.78	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	305.15	0.00
tblFireplaces	NumberNoFireplace	35.90	0.00
tblFireplaces	NumberWood	17.95	0.00
tblLandUse	LandUseSquareFeet	814,572.00	0.00
tblProjectCharacteristics	OperationalYear	2014	2019

tblSolidWaste	SolidWasteGenerationRate	421.07	0.00
tblVehicleTrips	ST_TR	10.08	0.00
tblVehicleTrips	SU_TR	8.77	0.00
tblVehicleTrips	WD_TR	9.57	0.00
tblWater	IndoorWaterUseRate	23,390,295.20	0.00
tblWater	OutdoorWaterUseRate	14,746,055.67	0.00
tblWoodstoves	NumberCatalytic	17.95	0.00
tblWoodstoves	NumberNoncatalytic	17.95	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	19.8959	121.5417	88.2511	0.1058	27.1644	6.0748	33.2392	13.6398	5.5889	19.2287	0.0000	10,724.1363	10,724.1363	3.1823	0.0000	10,790.9653
2018	19.3483	28.8185	31.0954	0.0585	1.9701	1.7039	3.6740	0.5271	1.6097	2.1369	0.0000	5,287.5086	5,287.5086	0.7523	0.0000	5,303.3073
2019	1.4732	14.9997	15.0360	0.0243	0.1677	0.8107	0.9784	0.0445	0.7459	0.7903	0.0000	2,357.9932	2,357.9932	0.7062	0.0000	2,372.8240
Total	40.7174	165.3599	134.3825	0.1887	29.3021	8.5894	37.8915	14.2114	7.9445	22.1559	0.0000	18,369.6381	18,369.6381	4.6409	0.0000	18,467.0965

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	17.5869	49.4344	63.3925	0.1058	10.8532	2.2879	13.1411	5.3883	2.2876	7.6759	0.0000	10,724.1363	10,724.1363	3.1823	0.0000	10,790.9653
2018	17.4475	19.0746	31.7187	0.0585	1.9701	1.0671	3.0372	0.5271	1.0624	1.5895	0.0000	5,287.5086	5,287.5086	0.7523	0.0000	5,303.3073
2019	0.5964	11.1289	17.5985	0.0243	0.1677	0.5995	0.7671	0.0445	0.5994	0.6439	0.0000	2,357.9932	2,357.9932	0.7062	0.0000	2,372.8240
Total	35.6307	79.6379	112.7096	0.1887	12.9910	3.9544	16.9454	5.9599	3.9494	9.9092	0.0000	18,369.6381	18,369.6381	4.6409	0.0000	18,467.0965

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	12.49	51.84	16.13	0.00	55.67	53.96	55.28	58.06	50.29	55.27	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	13.7061	0.3448	29.7666	1.5600e-003		0.1631	0.1631		0.1631	0.1631	0.0000	53.3344	53.3344	0.0524	0.0000	54.4339
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	13.7061	0.3448	29.7666	1.5600e-003	0.0000	0.1631	0.1631	0.0000	0.1631	0.1631	0.0000	53.3344	53.3344	0.0524	0.0000	54.4339

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	13.7061	0.3448	29.7666	1.5600e-003		0.1631	0.1631		0.1631	0.1631	0.0000	53.3344	53.3344	0.0524	0.0000	54.4339
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	13.7061	0.3448	29.7666	1.5600e-003	0.0000	0.1631	0.1631	0.0000	0.1631	0.1631	0.0000	53.3344	53.3344	0.0524	0.0000	54.4339

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2017	1/31/2017	5	22	
2	Grading	Grading	1/2/2017	3/2/2017	5	44	
3	Building Construction	Building Construction	3/3/2017	8/29/2018	5	389	
4	Architectural Coating	Architectural Coating	6/1/2017	8/29/2018	5	325	
5	Paving	Paving	8/30/2018	7/3/2019	5	220	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 110

Acres of Paving: 0

Residential Indoor: 1,308,555; Residential Outdoor: 436,185; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	129.00	38.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	26.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339		4,003.0859	4,003.0859	1.2265		4,028.8432
Total	4.8382	51.7535	39.3970	0.0391	18.0663	2.7542	20.8205	9.9307	2.5339	12.4646		4,003.0859	4,003.0859	1.2265		4,028.8432

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0687	0.0929	0.9706	2.3900e-003	0.2012	1.6200e-003	0.2028	0.0534	1.4900e-003	0.0549		193.1123	193.1123	0.0101		193.3250
Total	0.0687	0.0929	0.9706	2.3900e-003	0.2012	1.6200e-003	0.2028	0.0534	1.4900e-003	0.0549		193.1123	193.1123	0.0101		193.3250

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.9515	19.4584	23.4003	0.0391		0.9611	0.9611		0.9611	0.9611	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432
Total	0.9515	19.4584	23.4003	0.0391	7.0458	0.9611	8.0069	3.8730	0.9611	4.8340	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0687	0.0929	0.9706	2.3900e-003	0.2012	1.6200e-003	0.2028	0.0534	1.4900e-003	0.0549		193.1123	193.1123	0.0101		193.3250
Total	0.0687	0.0929	0.9706	2.3900e-003	0.2012	1.6200e-003	0.2028	0.0534	1.4900e-003	0.0549		193.1123	193.1123	0.0101		193.3250

3.3 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	6.0991	69.5920	46.8050	0.0617		3.3172	3.3172		3.0518	3.0518		6,313.3690	6,313.3690	1.9344		6,353.9915
Total	6.0991	69.5920	46.8050	0.0617	8.6733	3.3172	11.9905	3.5965	3.0518	6.6483		6,313.3690	6,313.3690	1.9344		6,353.9915

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0764	0.1033	1.0784	2.6500e-003	0.2236	1.8000e-003	0.2254	0.0593	1.6600e-003	0.0610		214.5692	214.5692	0.0113		214.8056
Total	0.0764	0.1033	1.0784	2.6500e-003	0.2236	1.8000e-003	0.2254	0.0593	1.6600e-003	0.0610		214.5692	214.5692	0.0113		214.8056

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000			0.0000
Off-Road	1.5128	29.7798	37.9432	0.0617		1.3234	1.3234		1.3234	1.3234	0.0000	6,313.3690	6,313.3690	1.9344		6,353.9915
Total	1.5128	29.7798	37.9432	0.0617	3.3826	1.3234	4.7060	1.4026	1.3234	2.7260	0.0000	6,313.3690	6,313.3690	1.9344		6,353.9915

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0764	0.1033	1.0784	2.6500e-003	0.2236	1.8000e-003	0.2254	0.0593	1.6600e-003	0.0610		214.5692	214.5692	0.0113		214.8056
Total	0.0764	0.1033	1.0784	2.6500e-003	0.2236	1.8000e-003	0.2254	0.0593	1.6600e-003	0.0610		214.5692	214.5692	0.0113		214.8056

3.4 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490
Total	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3178	3.0790	4.3190	8.2000e-003	0.2376	0.0483	0.2859	0.0677	0.0444	0.1121		808.8827	808.8827	5.9300e-003		809.0073
Worker	0.4925	0.6661	6.9559	0.0171	1.4419	0.0116	1.4535	0.3824	0.0107	0.3931		1,383.9712	1,383.9712	0.0726		1,385.4958
Total	0.8103	3.7451	11.2749	0.0253	1.6795	0.0599	1.7394	0.4501	0.0551	0.5052		2,192.8539	2,192.8539	0.0785		2,194.5031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0662	14.2245	18.2314	0.0268		0.9271	0.9271		0.9271	0.9271	0.0000	2,639.8053	2,639.8053	0.6497		2,653.4490
Total	1.0662	14.2245	18.2314	0.0268		0.9271	0.9271		0.9271	0.9271	0.0000	2,639.8053	2,639.8053	0.6497		2,653.4490

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.3178	3.0790	4.3190	8.2000e-003	0.2376	0.0483	0.2859	0.0677	0.0444	0.1121		808.8827	808.8827	5.9300e-003		809.0073
Worker	0.4925	0.6661	6.9559	0.0171	1.4419	0.0116	1.4535	0.3824	0.0107	0.3931		1,383.9712	1,383.9712	0.0726		1,385.4958
Total	0.8103	3.7451	11.2749	0.0253	1.6795	0.0599	1.7394	0.4501	0.0551	0.5052		2,192.8539	2,192.8539	0.0785		2,194.5031

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517
Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2971	2.8261	4.1445	8.1900e-003	0.2376	0.0455	0.2831	0.0677	0.0419	0.1095		795.3042	795.3042	5.9000e-003		795.4281
Worker	0.4429	0.6041	6.2952	0.0171	1.4419	0.0113	1.4532	0.3824	0.0105	0.3929		1,332.2928	1,332.2928	0.0674		1,333.7079
Total	0.7400	3.4301	10.4397	0.0253	1.6795	0.0568	1.7363	0.4501	0.0523	0.5024		2,127.5970	2,127.5970	0.0733		2,129.1360

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0071	14.1658	18.1778	0.0268		0.9129	0.9129		0.9129	0.9129	0.0000	2,609.9389	2,609.9389	0.6387		2,623.3517
Total	1.0071	14.1658	18.1778	0.0268		0.9129	0.9129		0.9129	0.9129	0.0000	2,609.9389	2,609.9389	0.6387		2,623.3517

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2971	2.8261	4.1445	8.1900e-003	0.2376	0.0455	0.2831	0.0677	0.0419	0.1095		795.3042	795.3042	5.9000e-003		795.4281
Worker	0.4429	0.6041	6.2952	0.0171	1.4419	0.0113	1.4532	0.3824	0.0105	0.3929		1,332.2928	1,332.2928	0.0674		1,333.7079
Total	0.7400	3.4301	10.4397	0.0253	1.6795	0.0568	1.7363	0.4501	0.0523	0.5024		2,127.5970	2,127.5970	0.0733		2,129.1360

3.5 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.5517					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297		282.0721
Total	15.8840	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297		282.0721

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0993	0.1343	1.4020	3.4500e-003	0.2906	2.3400e-003	0.2930	0.0771	2.1600e-003	0.0792		278.9399	278.9399	0.0146		279.2472
Total	0.0993	0.1343	1.4020	3.4500e-003	0.2906	2.3400e-003	0.2930	0.0771	2.1600e-003	0.0792		278.9399	278.9399	0.0146		279.2472

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.5517					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0297		282.0721
Total	15.6111	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0297		282.0721

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0993	0.1343	1.4020	3.4500e-003	0.2906	2.3400e-003	0.2930	0.0771	2.1600e-003	0.0792		278.9399	278.9399	0.0146		279.2472
Total	0.0993	0.1343	1.4020	3.4500e-003	0.2906	2.3400e-003	0.2930	0.0771	2.1600e-003	0.0792		278.9399	278.9399	0.0146		279.2472

3.5 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.5517					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102
Total	15.8503	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0893	0.1218	1.2688	3.4500e-003	0.2906	2.2800e-003	0.2929	0.0771	2.1100e-003	0.0792		268.5241	268.5241	0.0136		268.8094
Total	0.0893	0.1218	1.2688	3.4500e-003	0.2906	2.2800e-003	0.2929	0.0771	2.1100e-003	0.0792		268.5241	268.5241	0.0136		268.8094

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.5517					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4485	281.4485	0.0267		282.0102
Total	15.6111	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4485	281.4485	0.0267		282.0102

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0893	0.1218	1.2688	3.4500e-003	0.2906	2.2800e-003	0.2929	0.0771	2.1100e-003	0.0792	268.5241	268.5241	0.0136	268.8094		
Total	0.0893	0.1218	1.2688	3.4500e-003	0.2906	2.2800e-003	0.2929	0.0771	2.1100e-003	0.0792	268.5241	268.5241	0.0136	268.8094		

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635		2,245.2695	2,245.2695	0.6990		2,259.9481
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635		2,245.2695	2,245.2695	0.6990		2,259.9481

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.0515	0.0702	0.7320	1.9900e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		154.9178	154.9178	7.8400e-003		155.0823
Total	0.0515	0.0702	0.7320	1.9900e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		154.9178	154.9178	7.8400e-003		155.0823

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5490	11.0645	16.9276	0.0223		0.5982	0.5982		0.5982	0.5982	0.0000	2,245.2695	2,245.2695	0.6990		2,259.9481
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5490	11.0645	16.9276	0.0223		0.5982	0.5982		0.5982	0.5982	0.0000	2,245.2695	2,245.2695	0.6990		2,259.9481

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0515	0.0702	0.7320	1.9900e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		154.9178	154.9178	7.8400e-003		155.0823
Total	0.0515	0.0702	0.7320	1.9900e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		154.9178	154.9178	7.8400e-003		155.0823

3.6 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4259	14.9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447		2,208.9731	2,208.9731	0.6989		2,223.6499
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4259	14.9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447		2,208.9731	2,208.9731	0.6989		2,223.6499

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0474	0.0644	0.6709	1.9800e-003	0.1677	1.2900e-003	0.1690	0.0445	1.2000e-003	0.0457		149.0200	149.0200	7.3300e-003		149.1741
Total	0.0474	0.0644	0.6709	1.9800e-003	0.1677	1.2900e-003	0.1690	0.0445	1.2000e-003	0.0457		149.0200	149.0200	7.3300e-003		149.1741

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Off-Road	0.5490	11.0645	16.9276	0.0223		0.5982	0.5982		0.5982	0.5982	0.0000	2,208.9731	2,208.9731	0.6989		2,223.6499
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5490	11.0645	16.9276	0.0223		0.5982	0.5982		0.5982	0.5982	0.0000	2,208.9731	2,208.9731	0.6989		2,223.6499

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0474	0.0644	0.6709	1.9800e-003	0.1677	1.2900e-003	0.1690	0.0445	1.2000e-003	0.0457		149.0200	149.0200	7.3300e-003		149.1741
Total	0.0474	0.0644	0.6709	1.9800e-003	0.1677	1.2900e-003	0.1690	0.0445	1.2000e-003	0.0457		149.0200	149.0200	7.3300e-003		149.1741

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.511108	0.059746	0.180859	0.139188	0.042462	0.006666	0.016153	0.032295	0.001940	0.002496	0.004377	0.000582	0.002128

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	13.7061	0.3448	29.7666	1.5600e-003		0.1631	0.1631		0.1631	0.1631	0.0000	53.3344	53.3344	0.0524	0.0000	54.4339
Unmitigated	13.7061	0.3448	29.7666	1.5600e-003		0.1631	0.1631		0.1631	0.1631	0.0000	53.3344	53.3344	0.0524	0.0000	54.4339

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	12.7948					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.9113	0.3448	29.7666	1.5600e-003		0.1631	0.1631		0.1631	0.1631		53.3344	53.3344	0.0524		54.4339
Total	13.7061	0.3448	29.7666	1.5600e-003		0.1631	0.1631		0.1631	0.1631	0.0000	53.3344	53.3344	0.0524	0.0000	54.4339

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	12.7948					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.9113	0.3448	29.7666	1.5600e-003		0.1631	0.1631		0.1631	0.1631		53.3344	53.3344	0.0524		54.4339
Total	13.7061	0.3448	29.7666	1.5600e-003		0.1631	0.1631		0.1631	0.1631	0.0000	53.3344	53.3344	0.0524	0.0000	54.4339

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Rancho San Gorgonio Specific Plan - Phase 2 - Construction

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	18.70	Acre	18.70	0.00	0
Single Family Housing	359.00	Dwelling Unit	116.56	646,200.00	1027

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2019
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - No buildings in the community parks (represented by Other Non-Asphalt Surfaces).

Construction Phase - Construction will be completed by 2019, assume architectural coatings applied during building construction.

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Trips and VMT -

Grading -

Architectural Coating -

Vehicle Trips - No operations

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - no operations

Consumer Products - no operations

Area Coating - no operations

Landscape Equipment - no operations

Energy Use - no operations

Water And Wastewater - no operations

Solid Waste - no operations

Construction Off-road Equipment Mitigation - Dust control measures as required by SCAQMD Rule 403.

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	220.00	325.00
tblConstructionPhase	NumDays	3,100.00	389.00
tblConstructionPhase	NumDays	310.00	44.00
tblConstructionPhase	NumDays	120.00	22.00
tblConstructionPhase	PhaseEndDate	11/27/2019	8/29/2018
tblConstructionPhase	PhaseEndDate	4/3/2017	3/2/2017
tblConstructionPhase	PhaseStartDate	8/30/2018	6/1/2017
tblConstructionPhase	PhaseStartDate	2/1/2017	1/2/2017
tblEnergyUse	LightingElect	1,608.84	0.00
tblEnergyUse	NT24E	5,089.81	0.00
tblEnergyUse	NT24NG	5,950.14	0.00
tblEnergyUse	T24E	980.99	0.00
tblEnergyUse	T24NG	27,816.78	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	305.15	0.00
tblFireplaces	NumberNoFireplace	35.90	0.00
tblFireplaces	NumberWood	17.95	0.00
tblLandUse	LandUseSquareFeet	814,572.00	0.00
tblProjectCharacteristics	OperationalYear	2014	2019

tblSolidWaste	SolidWasteGenerationRate	421.07	0.00
tblVehicleTrips	ST_TR	10.08	0.00
tblVehicleTrips	SU_TR	8.77	0.00
tblVehicleTrips	WD_TR	9.57	0.00
tblWater	IndoorWaterUseRate	23,390,295.20	0.00
tblWater	OutdoorWaterUseRate	14,746,055.67	0.00
tblWoodstoves	NumberCatalytic	17.95	0.00
tblWoodstoves	NumberNoncatalytic	17.95	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	1.8225	5.5452	4.9307	8.0300e-003	0.5963	0.3155	0.9118	0.2438	0.2950	0.5388	0.0000	687.1789	687.1789	0.1256	0.0000	689.8159
2018	1.7432	3.2578	3.3666	6.1600e-003	0.1746	0.1887	0.3633	0.0468	0.1773	0.2240	0.0000	513.0882	513.0882	0.0872	0.0000	514.9203
2019	0.0970	0.9901	0.9935	1.6100e-003	0.0109	0.0535	0.0644	2.8800e-003	0.0492	0.0521	0.0000	141.3222	141.3222	0.0423	0.0000	142.2102
Total	3.6627	9.7931	9.2908	0.0158	0.7818	0.5577	1.3395	0.2934	0.5215	0.8149	0.0000	1,341.5894	1,341.5894	0.2551	0.0000	1,346.9464

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	1.4382	2.9356	4.5681	8.0300e-003	0.3587	0.1537	0.5124	0.1289	0.1532	0.2821	0.0000	687.1784	687.1784	0.1256	0.0000	689.8153
2018	1.5320	2.1466	3.5276	6.1600e-003	0.1746	0.1187	0.2932	0.0468	0.1183	0.1650	0.0000	513.0879	513.0879	0.0872	0.0000	514.9199
2019	0.0392	0.7346	1.1627	1.6100e-003	0.0109	0.0396	0.0504	2.8800e-003	0.0396	0.0424	0.0000	141.3221	141.3221	0.0423	0.0000	142.2101
Total	3.0094	5.8169	9.2583	0.0158	0.5441	0.3120	0.8561	0.1785	0.3110	0.4895	0.0000	1,341.5883	1,341.5883	0.2551	0.0000	1,346.9453

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	17.84	40.60	0.35	0.00	30.40	44.07	36.09	39.16	40.37	39.93	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.4490	0.0431	3.7208	2.0000e-004		0.0204	0.0204		0.0204	0.0204	0.0000	6.0480	6.0480	5.9400e-003	0.0000	6.1727
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.4490	0.0431	3.7208	2.0000e-004	0.0000	0.0204	0.0204	0.0000	0.0204	0.0204	0.0000	6.0480	6.0480	5.9400e-003	0.0000	6.1727

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.4490	0.0431	3.7208	2.0000e-004		0.0204	0.0204		0.0204	0.0204	0.0000	6.0480	6.0480	5.9400e-003	0.0000	6.1727
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.4490	0.0431	3.7208	2.0000e-004	0.0000	0.0204	0.0204	0.0000	0.0204	0.0204	0.0000	6.0480	6.0480	5.9400e-003	0.0000	6.1727

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2017	1/31/2017	5	22	
2	Grading	Grading	1/2/2017	3/2/2017	5	44	
3	Building Construction	Building Construction	3/3/2017	8/29/2018	5	389	
4	Architectural Coating	Architectural Coating	6/1/2017	8/29/2018	5	325	
5	Paving	Paving	8/30/2018	7/3/2019	5	220	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 110

Acres of Paving: 0

Residential Indoor: 1,308,555; Residential Outdoor: 436,185; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	129.00	38.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Architectural Coating	1	26.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1987	0.0000	0.1987	0.1092	0.0000	0.1092	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0532	0.5693	0.4334	4.3000e-004		0.0303	0.0303		0.0279	0.0279	0.0000	39.9469	39.9469	0.0122	0.0000	40.2040
Total	0.0532	0.5693	0.4334	4.3000e-004	0.1987	0.0303	0.2290	0.1092	0.0279	0.1371	0.0000	39.9469	39.9469	0.0122	0.0000	40.2040

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.1000e-004	1.0500e-003	0.0109	3.0000e-005	2.1700e-003	2.0000e-005	2.1900e-003	5.8000e-004	2.0000e-005	5.9000e-004	0.0000	1.9571	1.9571	1.0000e-004	0.0000	1.9592
Total	7.1000e-004	1.0500e-003	0.0109	3.0000e-005	2.1700e-003	2.0000e-005	2.1900e-003	5.8000e-004	2.0000e-005	5.9000e-004	0.0000	1.9571	1.9571	1.0000e-004	0.0000	1.9592

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0775	0.0000	0.0775	0.0426	0.0000	0.0426	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0105	0.2140	0.2574	4.3000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	39.9469	39.9469	0.0122	0.0000	40.2039
Total	0.0105	0.2140	0.2574	4.3000e-004	0.0775	0.0106	0.0881	0.0426	0.0106	0.0532	0.0000	39.9469	39.9469	0.0122	0.0000	40.2039

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.1000e-004	1.0500e-003	0.0109	3.0000e-005	2.1700e-003	2.0000e-005	2.1900e-003	5.8000e-004	2.0000e-005	5.9000e-004	0.0000	1.9571	1.9571	1.0000e-004	0.0000	1.9592
Total	7.1000e-004	1.0500e-003	0.0109	3.0000e-005	2.1700e-003	2.0000e-005	2.1900e-003	5.8000e-004	2.0000e-005	5.9000e-004	0.0000	1.9571	1.9571	1.0000e-004	0.0000	1.9592

3.3 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1908	0.0000	0.1908	0.0791	0.0000	0.0791	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1342	1.5310	1.0297	1.3600e-003		0.0730	0.0730		0.0671	0.0671	0.0000	126.0026	126.0026	0.0386	0.0000	126.8134
Total	0.1342	1.5310	1.0297	1.3600e-003	0.1908	0.0730	0.2638	0.0791	0.0671	0.1463	0.0000	126.0026	126.0026	0.0386	0.0000	126.8134

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5800e-003	2.3400e-003	0.0243	6.0000e-005	4.8300e-003	4.0000e-005	4.8700e-003	1.2800e-003	4.0000e-005	1.3200e-003	0.0000	4.3491	4.3491	2.2000e-004	0.0000	4.3538
Total	1.5800e-003	2.3400e-003	0.0243	6.0000e-005	4.8300e-003	4.0000e-005	4.8700e-003	1.2800e-003	4.0000e-005	1.3200e-003	0.0000	4.3491	4.3491	2.2000e-004	0.0000	4.3538

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0744	0.0000	0.0744	0.0309	0.0000	0.0309	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0333	0.6552	0.8348	1.3600e-003		0.0291	0.0291		0.0291	0.0291	0.0000	126.0025	126.0025	0.0386	0.0000	126.8132
Total	0.0333	0.6552	0.8348	1.3600e-003	0.0744	0.0291	0.1035	0.0309	0.0291	0.0600	0.0000	126.0025	126.0025	0.0386	0.0000	126.8132

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5800e-003	2.3400e-003	0.0243	6.0000e-005	4.8300e-003	4.0000e-005	4.8700e-003	1.2800e-003	4.0000e-005	1.3200e-003	0.0000	4.3491	4.3491	2.2000e-004	0.0000	4.3538
Total	1.5800e-003	2.3400e-003	0.0243	6.0000e-005	4.8300e-003	4.0000e-005	4.8700e-003	1.2800e-003	4.0000e-005	1.3200e-003	0.0000	4.3491	4.3491	2.2000e-004	0.0000	4.3538

3.4 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3351	2.8518	1.9580	2.9000e-003		0.1924	0.1924		0.1807	0.1807	0.0000	258.6374	258.6374	0.0637	0.0000	259.9742

Total	0.3351	2.8518	1.9580	2.9000e-003		0.1924	0.1924		0.1807	0.1807	0.0000	258.6374	258.6374	0.0637	0.0000	259.9742

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0334	0.3391	0.4533	8.9000e-004	0.0253	5.1900e-003	0.0304	7.2100e-003	4.7700e-003	0.0120	0.0000	79.6405	79.6405	5.7000e-004	0.0000	79.6524
Worker	0.0501	0.0741	0.7700	1.8800e-003	0.1529	1.2500e-003	0.1541	0.0406	1.1600e-003	0.0418	0.0000	137.7090	137.7090	7.1100e-003	0.0000	137.8584
Total	0.0834	0.4131	1.2232	2.7700e-003	0.1781	6.4400e-003	0.1845	0.0478	5.9300e-003	0.0537	0.0000	217.3495	217.3495	7.6800e-003	0.0000	217.5108

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1152	1.5363	1.9690	2.9000e-003		0.1001	0.1001		0.1001	0.1001	0.0000	258.6371	258.6371	0.0637	0.0000	259.9739
Total	0.1152	1.5363	1.9690	2.9000e-003		0.1001	0.1001		0.1001	0.1001	0.0000	258.6371	258.6371	0.0637	0.0000	259.9739

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0334	0.3391	0.4533	8.9000e-004	0.0253	5.1900e-003	0.0304	7.2100e-003	4.7700e-003	0.0120	0.0000	79.6405	79.6405	5.7000e-004	0.0000	79.6524
Worker	0.0501	0.0741	0.7700	1.8800e-003	0.1529	1.2500e-003	0.1541	0.0406	1.1600e-003	0.0418	0.0000	137.7090	137.7090	7.1100e-003	0.0000	137.8584
Total	0.0834	0.4131	1.2232	2.7700e-003	0.1781	6.4400e-003	0.1845	0.0478	5.9300e-003	0.0537	0.0000	217.3495	217.3495	7.6800e-003	0.0000	217.5108

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2308	2.0121	1.5166	2.3200e-003		0.1293	0.1293		0.1215	0.1215	0.0000	204.8058	204.8058	0.0501	0.0000	205.8583
Total	0.2308	2.0121	1.5166	2.3200e-003		0.1293	0.1293		0.1215	0.1215	0.0000	204.8058	204.8058	0.0501	0.0000	205.8583

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0250	0.2493	0.3478	7.1000e-004	0.0202	3.9100e-003	0.0242	5.7700e-003	3.6000e-003	9.3800e-003	0.0000	62.7160	62.7160	4.5000e-004	0.0000	62.7256
Worker	0.0360	0.0538	0.5585	1.5000e-003	0.1224	9.8000e-004	0.1234	0.0325	9.0000e-004	0.0334	0.0000	106.1779	106.1779	5.2900e-003	0.0000	106.2890
Total	0.0610	0.3031	0.9063	2.2100e-003	0.1427	4.8900e-003	0.1476	0.0383	4.5000e-003	0.0428	0.0000	168.8939	168.8939	5.7400e-003	0.0000	169.0145

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0871	1.2253	1.5724	2.3200e-003		0.0790	0.0790		0.0790	0.0790	0.0000	204.8055	204.8055	0.0501	0.0000	205.8581
Total	0.0871	1.2253	1.5724	2.3200e-003		0.0790	0.0790		0.0790	0.0790	0.0000	204.8055	204.8055	0.0501	0.0000	205.8581

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0250	0.2493	0.3478	7.1000e-004	0.0202	3.9100e-003	0.0242	5.7700e-003	3.6000e-003	9.3800e-003	0.0000	62.7160	62.7160	4.5000e-004	0.0000	62.7256

Worker	0.0360	0.0538	0.5585	1.5000e-003	0.1224	9.8000e-004	0.1234	0.0325	9.0000e-004	0.0334	0.0000	106.1779	106.1779	5.2900e-003	0.0000	106.2890
Total	0.0610	0.3031	0.9063	2.2100e-003	0.1427	4.8900e-003	0.1476	0.0383	4.5000e-003	0.0428	0.0000	168.8939	168.8939	5.7400e-003	0.0000	169.0145

3.5 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0253	0.1661	0.1420	2.3000e-004		0.0132	0.0132		0.0132	0.0132	0.0000	19.4047	19.4047	2.0500e-003	0.0000	19.4478
Total	1.2072	0.1661	0.1420	2.3000e-004		0.0132	0.0132		0.0132	0.0132	0.0000	19.4047	19.4047	2.0500e-003	0.0000	19.4478

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.1000e-003	0.0105	0.1092	2.7000e-004	0.0217	1.8000e-004	0.0219	5.7600e-003	1.6000e-004	5.9200e-003	0.0000	19.5315	19.5315	1.0100e-003	0.0000	19.5527
Total	7.1000e-003	0.0105	0.1092	2.7000e-004	0.0217	1.8000e-004	0.0219	5.7600e-003	1.6000e-004	5.9200e-003	0.0000	19.5315	19.5315	1.0100e-003	0.0000	19.5527

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.5200e-003	0.1031	0.1393	2.3000e-004		7.2300e-003	7.2300e-003		7.2300e-003	7.2300e-003	0.0000	19.4047	19.4047	2.0500e-003	0.0000	19.4477
Total	1.1865	0.1031	0.1393	2.3000e-004		7.2300e-003	7.2300e-003		7.2300e-003	7.2300e-003	0.0000	19.4047	19.4047	2.0500e-003	0.0000	19.4477

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.1000e-003	0.0105	0.1092	2.7000e-004	0.0217	1.8000e-004	0.0219	5.7600e-003	1.6000e-004	5.9200e-003	0.0000	19.5315	19.5315	1.0100e-003	0.0000	19.5527
Total	7.1000e-003	0.0105	0.1092	2.7000e-004	0.0217	1.8000e-004	0.0219	5.7600e-003	1.6000e-004	5.9200e-003	0.0000	19.5315	19.5315	1.0100e-003	0.0000	19.5527

3.5 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Archit. Coating	1.3452					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0258	0.1735	0.1604	2.6000e-004		0.0130	0.0130		0.0130	0.0130	0.0000	22.0857	22.0857	2.1000e-003	0.0000	22.1298
Total	1.3711	0.1735	0.1604	2.6000e-004		0.0130	0.0130		0.0130	0.0130	0.0000	22.0857	22.0857	2.1000e-003	0.0000	22.1298

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.2600e-003	0.0109	0.1126	3.0000e-004	0.0247	2.0000e-004	0.0249	6.5500e-003	1.8000e-004	6.7400e-003	0.0000	21.4002	21.4002	1.0700e-003	0.0000	21.4226
Total	7.2600e-003	0.0109	0.1126	3.0000e-004	0.0247	2.0000e-004	0.0249	6.5500e-003	1.8000e-004	6.7400e-003	0.0000	21.4002	21.4002	1.0700e-003	0.0000	21.4226

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3452					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1400e-003	0.1174	0.1585	2.6000e-004		8.2300e-003	8.2300e-003		8.2300e-003	8.2300e-003	0.0000	22.0857	22.0857	2.1000e-003	0.0000	22.1297

Total	1.3504	0.1174	0.1585	2.6000e-004		8.2300e-003	8.2300e-003		8.2300e-003	8.2300e-003	0.0000	22.0857	22.0857	2.1000e-003	0.0000	22.1297

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.2600e-003	0.0109	0.1126	3.0000e-004	0.0247	2.0000e-004	0.0249	6.5500e-003	1.8000e-004	6.7400e-003	0.0000	21.4002	21.4002	1.0700e-003	0.0000	21.4226
Total	7.2600e-003	0.0109	0.1126	3.0000e-004	0.0247	2.0000e-004	0.0249	6.5500e-003	1.8000e-004	6.7400e-003	0.0000	21.4002	21.4002	1.0700e-003	0.0000	21.4226

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0709	0.7552	0.6378	9.8000e-004		0.0413	0.0413		0.0380	0.0380	0.0000	89.6225	89.6225	0.0279	0.0000	90.2084
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0709	0.7552	0.6378	9.8000e-004		0.0413	0.0413		0.0380	0.0380	0.0000	89.6225	89.6225	0.0279	0.0000	90.2084

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1300e-003	3.1800e-003	0.0330	9.0000e-005	7.2400e-003	6.0000e-005	7.3000e-003	1.9200e-003	5.0000e-005	1.9800e-003	0.0000	6.2802	6.2802	3.1000e-004	0.0000	6.2868
Total	2.1300e-003	3.1800e-003	0.0330	9.0000e-005	7.2400e-003	6.0000e-005	7.3000e-003	1.9200e-003	5.0000e-005	1.9800e-003	0.0000	6.2802	6.2802	3.1000e-004	0.0000	6.2868

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0242	0.4868	0.7448	9.8000e-004		0.0263	0.0263		0.0263	0.0263	0.0000	89.6224	89.6224	0.0279	0.0000	90.2083
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0242	0.4868	0.7448	9.8000e-004		0.0263	0.0263		0.0263	0.0263	0.0000	89.6224	89.6224	0.0279	0.0000	90.2083

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1300e-003	3.1800e-003	0.0330	9.0000e-005	7.2400e-003	6.0000e-005	7.3000e-003	1.9200e-003	5.0000e-005	1.9800e-003	0.0000	6.2802	6.2802	3.1000e-004	0.0000	6.2868
Total	2.1300e-003	3.1800e-003	0.0330	9.0000e-005	7.2400e-003	6.0000e-005	7.3000e-003	1.9200e-003	5.0000e-005	1.9800e-003	0.0000	6.2802	6.2802	3.1000e-004	0.0000	6.2868

3.6 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0941	0.9857	0.9481	1.4700e-003		0.0534	0.0534		0.0492	0.0492	0.0000	132.2605	132.2605	0.0419	0.0000	133.1393
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0941	0.9857	0.9481	1.4700e-003		0.0534	0.0534		0.0492	0.0492	0.0000	132.2605	132.2605	0.0419	0.0000	133.1393

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9300e-003	4.3800e-003	0.0454	1.3000e-004	0.0109	9.0000e-005	0.0110	2.8800e-003	8.0000e-005	2.9600e-003	0.0000	9.0618	9.0618	4.4000e-004	0.0000	9.0710

Total	2.9300e-003	4.3800e-003	0.0454	1.3000e-004	0.0109	9.0000e-005	0.0110	2.8800e-003	8.0000e-005	2.9600e-003	0.0000	9.0618	9.0618	4.4000e-004	0.0000	9.0710

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0362	0.7303	1.1172	1.4700e-003		0.0395	0.0395		0.0395	0.0395	0.0000	132.2603	132.2603	0.0419	0.0000	133.1391
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0362	0.7303	1.1172	1.4700e-003		0.0395	0.0395		0.0395	0.0395	0.0000	132.2603	132.2603	0.0419	0.0000	133.1391

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9300e-003	4.3800e-003	0.0454	1.3000e-004	0.0109	9.0000e-005	0.0110	2.8800e-003	8.0000e-005	2.9600e-003	0.0000	9.0618	9.0618	4.4000e-004	0.0000	9.0710
Total	2.9300e-003	4.3800e-003	0.0454	1.3000e-004	0.0109	9.0000e-005	0.0110	2.8800e-003	8.0000e-005	2.9600e-003	0.0000	9.0618	9.0618	4.4000e-004	0.0000	9.0710

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.511108	0.059746	0.180859	0.139188	0.042462	0.006666	0.016153	0.032295	0.001940	0.002496	0.004377	0.000582	0.002128

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000

Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.4490	0.0431	3.7208	2.0000e-004		0.0204	0.0204		0.0204	0.0204	0.0000	6.0480	6.0480	5.9400e-003	0.0000	6.1727
Unmitigated	2.4490	0.0431	3.7208	2.0000e-004		0.0204	0.0204		0.0204	0.0204	0.0000	6.0480	6.0480	5.9400e-003	0.0000	6.1727

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.3350					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1139	0.0431	3.7208	2.0000e-004		0.0204	0.0204		0.0204	0.0204	0.0000	6.0480	6.0480	5.9400e-003	0.0000	6.1727
Total	2.4490	0.0431	3.7208	2.0000e-004		0.0204	0.0204		0.0204	0.0204	0.0000	6.0480	6.0480	5.9400e-003	0.0000	6.1727

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.3350					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1139	0.0431	3.7208	2.0000e-004		0.0204	0.0204		0.0204	0.0204	0.0000	6.0480	6.0480	5.9400e-003	0.0000	6.1727
Total	2.4490	0.0431	3.7208	2.0000e-004		0.0204	0.0204		0.0204	0.0204	0.0000	6.0480	6.0480	5.9400e-003	0.0000	6.1727

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e

	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Rancho San Gorgonio Specific Plan - Phase 3 - Construction

South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	122.00	Acre	122.00	0.00	0
Single Family Housing	444.00	Dwelling Unit	144.16	799,200.00	1270

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - No buildings in the community parks (represented by Other Non-Asphalt Surfaces).

Construction Phase - Construction will be completed by 2022, assume architectural coatings applied during building construction.

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Trips and VMT -

Grading -

Architectural Coating -

Vehicle Trips - No operations

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - no operations

Consumer Products - no operations

Area Coating - no operations

Landscape Equipment - no operations

Energy Use - no operations

Water And Wastewater - no operations

Solid Waste - no operations

Construction Off-road Equipment Mitigation - Dust control measures as required by SCAQMD Rule 403.

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	330.00	1,051.00
tblConstructionPhase	NumDays	4,650.00	1,114.00
tblConstructionPhase	NumDays	465.00	44.00
tblConstructionPhase	NumDays	330.00	61.00
tblConstructionPhase	NumDays	180.00	22.00
tblConstructionPhase	PhaseEndDate	7/21/2026	7/11/2022
tblConstructionPhase	PhaseEndDate	4/2/2018	4/3/2018
tblConstructionPhase	PhaseStartDate	7/12/2022	7/1/2018
tblConstructionPhase	PhaseStartDate	1/31/2018	2/1/2018
tblEnergyUse	LightingElect	1,608.84	0.00
tblEnergyUse	NT24E	5,089.81	0.00
tblEnergyUse	NT24NG	5,950.14	0.00
tblEnergyUse	T24E	980.99	0.00
tblEnergyUse	T24NG	27,816.78	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	377.40	0.00
tblFireplaces	NumberNoFireplace	44.40	0.00
tblFireplaces	NumberWood	22.20	0.00
tblLandUse	LandUseSquareFeet	5,314,320.00	0.00

tblProjectCharacteristics	OperationalYear	2014	2022
tblSolidWaste	SolidWasteGenerationRate	520.70	0.00
tblVehicleTrips	ST_TR	10.08	0.00
tblVehicleTrips	SU_TR	8.77	0.00
tblVehicleTrips	WD_TR	9.57	0.00
tblWater	IndoorWaterUseRate	28,928,387.38	0.00
tblWater	OutdoorWaterUseRate	18,237,461.61	0.00
tblWoodstoves	NumberCatalytic	22.20	0.00
tblWoodstoves	NumberNoncatalytic	22.20	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	9.9004	59.6191	43.3736	0.0672	18.2675	2.7898	20.6344	9.9840	2.5666	12.1617	0.0000	6,433.1017	6,433.1017	1.9446	0.0000	6,473.9378
2019	9.4817	26.7002	32.4164	0.0671	2.4400	1.4832	3.9232	0.6529	1.4010	2.0539	0.0000	5,869.5706	5,869.5706	0.7525	0.0000	5,885.3732
2020	9.1637	24.2131	31.3195	0.0670	2.4400	1.2886	3.7286	0.6529	1.2171	1.8700	0.0000	5,727.0442	5,727.0442	0.7369	0.0000	5,742.5198
2021	8.8823	21.8528	30.4089	0.0671	2.4400	1.1095	3.5495	0.6529	1.0477	1.7006	0.0000	5,696.9768	5,696.9768	0.7239	0.0000	5,712.1781
2022	8.6401	19.6748	29.6259	0.0671	2.4400	0.9475	3.3875	0.6529	0.8952	1.5481	0.0000	5,665.3962	5,665.3962	0.7154	0.0000	5,680.4184
Total	46.0682	152.0600	167.1442	0.3354	28.0274	7.6185	35.2231	12.5955	7.1277	19.3342	0.0000	29,392.0895	29,392.0895	4.8732	0.0000	29,494.4273

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	7.9996	29.8651	39.0100	0.0672	7.2470	1.3251	8.2097	3.9263	1.3250	4.8889	0.0000	6,433.1017	6,433.1017	1.9446	0.0000	6,473.9378
2019	7.8736	19.3648	33.4131	0.0671	2.4400	1.0635	3.5035	0.6529	1.0581	1.7109	0.0000	5,869.5706	5,869.5706	0.7525	0.0000	5,885.3732
2020	7.7771	18.8574	32.5978	0.0670	2.4400	1.0461	3.4861	0.6529	1.0411	1.6939	0.0000	5,727.0442	5,727.0442	0.7369	0.0000	5,742.5198
2021	7.6977	18.3354	31.9237	0.0671	2.4400	1.0291	3.4691	0.6529	1.0244	1.6772	0.0000	5,696.9768	5,696.9768	0.7239	0.0000	5,712.1781
2022	7.6379	18.0336	31.3317	0.0671	2.4400	1.0184	3.4583	0.6529	1.0137	1.6665	0.0000	5,665.3962	5,665.3962	0.7154	0.0000	5,680.4184
Total	38.9859	104.4563	168.2762	0.3354	17.0070	5.4822	22.1267	6.5378	5.4622	11.6375	0.0000	29,392.0895	29,392.0895	4.8732	0.0000	29,494.4273

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	15.37	31.31	-0.68	0.00	39.32	28.04	37.18	48.09	23.37	39.81	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	16.9329	0.4230	36.6825	1.9400e-003		0.2027	0.2027		0.2027	0.2027	0.0000	65.9840	65.9840	0.0637	0.0000	67.3217
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	16.9329	0.4230	36.6825	1.9400e-003	0.0000	0.2027	0.2027	0.0000	0.2027	0.2027	0.0000	65.9840	65.9840	0.0637	0.0000	67.3217

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	16.9329	0.4230	36.6825	1.9400e-003		0.2027	0.2027		0.2027	0.2027	0.0000	65.9840	65.9840	0.0637	0.0000	67.3217
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	16.9329	0.4230	36.6825	1.9400e-003	0.0000	0.2027	0.2027	0.0000	0.2027	0.2027	0.0000	65.9840	65.9840	0.0637	0.0000	67.3217

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2018	1/30/2018	5	22	
2	Grading	Grading	2/1/2018	4/3/2018	5	44	
3	Building Construction	Building Construction	4/4/2018	7/11/2022	5	1114	
4	Architectural Coating	Architectural Coating	7/1/2018	7/11/2022	5	1051	
5	Paving	Paving	7/12/2022	10/4/2022	5	61	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 110

Acres of Paving: 0

Residential Indoor: 1,618,380; Residential Outdoor: 539,460; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Building Construction	9	160.00	47.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	32.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.2921	45.6088	36.2346	0.0391		2.3654	2.3654		2.1762	2.1762		3,939.7731	3,939.7731	1.2265		3,965.5297
Total	4.2921	45.6088	36.2346	0.0391	18.0663	2.3654	20.4317	9.9307	2.1762	12.1069		3,939.7731	3,939.7731	1.2265		3,965.5297

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0607	0.0768	0.9601	2.5500e-003	0.2012	1.5800e-003	0.2028	0.0534	1.4600e-003	0.0548		198.2678	198.2678	9.4000e-003		198.4652
Total	0.0607	0.0768	0.9601	2.5500e-003	0.2012	1.5800e-003	0.2028	0.0534	1.4600e-003	0.0548		198.2678	198.2678	9.4000e-003		198.4652

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.9515	19.4584	23.4003	0.0391		0.9611	0.9611		0.9611	0.9611	0.0000	3,939.7731	3,939.7731	1.2265		3,965.5297
Total	0.9515	19.4584	23.4003	0.0391	7.0458	0.9611	8.0069	3.8730	0.9611	4.8340	0.0000	3,939.7731	3,939.7731	1.2265		3,965.5297

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0607	0.0768	0.9601	2.5500e-003	0.2012	1.5800e-003	0.2028	0.0534	1.4600e-003	0.0548		198.2678	198.2678	9.4000e-003		198.4652
Total	0.0607	0.0768	0.9601	2.5500e-003	0.2012	1.5800e-003	0.2028	0.0534	1.4600e-003	0.0548		198.2678	198.2678	9.4000e-003		198.4652

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.2895	59.5338	42.3068	0.0617		2.7880	2.7880		2.5650	2.5650		6,212.8042	6,212.8042	1.9341		6,253.4209
Total	5.2895	59.5338	42.3068	0.0617	8.6733	2.7880	11.4614	3.5965	2.5650	6.1615		6,212.8042	6,212.8042	1.9341		6,253.4209

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0675	0.0853	1.0668	2.8300e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6200e-003	0.0609		220.2975	220.2975	0.0105		220.5169
Total	0.0675	0.0853	1.0668	2.8300e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6200e-003	0.0609		220.2975	220.2975	0.0105		220.5169

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000			0.0000
Off-Road	1.5128	29.7798	37.9432	0.0617		1.3234	1.3234		1.3234	1.3234	0.0000	6,212.8041	6,212.8041	1.9341		6,253.4209
Total	1.5128	29.7798	37.9432	0.0617	3.3826	1.3234	4.7060	1.4026	1.3234	2.7260	0.0000	6,212.8041	6,212.8041	1.9341		6,253.4209

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0675	0.0853	1.0668	2.8300e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6200e-003	0.0609		220.2975	220.2975	0.0105		220.5169
Total	0.0675	0.0853	1.0668	2.8300e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6200e-003	0.0609		220.2975	220.2975	0.0105		220.5169

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517

Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3376	3.4130	4.2007	0.0102	0.2938	0.0558	0.3496	0.0837	0.0513	0.1350		992.0167	992.0167	7.0700e-003		992.1652
Worker	0.5399	0.6825	8.5341	0.0226	1.7884	0.0140	1.8024	0.4743	0.0130	0.4873		1,762.3801	1,762.3801	0.0836		1,764.1353
Total	0.8774	4.0954	12.7348	0.0328	2.0823	0.0698	2.1520	0.5580	0.0642	0.6222		2,754.3968	2,754.3968	0.0907		2,756.3005

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0071	14.1658	18.1778	0.0268		0.9129	0.9129		0.9129	0.9129	0.0000	2,609.9389	2,609.9389	0.6387		2,623.3517
Total	1.0071	14.1658	18.1778	0.0268		0.9129	0.9129		0.9129	0.9129	0.0000	2,609.9389	2,609.9389	0.6387		2,623.3517

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3376	3.4130	4.2007	0.0102	0.2938	0.0558	0.3496	0.0837	0.0513	0.1350		992.0167	992.0167	7.0700e-003		992.1652
Worker	0.5399	0.6825	8.5341	0.0226	1.7884	0.0140	1.8024	0.4743	0.0130	0.4873		1,762.3801	1,762.3801	0.0836		1,764.1353
Total	0.8774	4.0954	12.7348	0.0328	2.0823	0.0698	2.1520	0.5580	0.0642	0.6222		2,754.3968	2,754.3968	0.0907		2,756.3005

3.4 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083		2,580.7618	2,580.7618	0.6279		2,593.9479
Total	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083		2,580.7618	2,580.7618	0.6279		2,593.9479

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3197	3.1486	4.0429	0.0102	0.2939	0.0529	0.3468	0.0837	0.0487	0.1324	972.6864	972.6864	6.9400e-003		972.8320
Worker	0.4969	0.6260	7.8432	0.0226	1.7884	0.0138	1.8022	0.4743	0.0128	0.4871	1,695.5620	1,695.5620	0.0782		1,697.2050
Total	0.8166	3.7745	11.8861	0.0328	2.0823	0.0667	2.1489	0.5580	0.0614	0.6194	2,668.2484	2,668.2484	0.0852		2,670.0370

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9505	14.1081	18.1259	0.0268		0.8990	0.8990		0.8990	0.8990	0.0000	2,580.7618	2,580.7618	0.6279		2,593.9479
Total	0.9505	14.1081	18.1259	0.0268		0.8990	0.8990		0.8990	0.8990	0.0000	2,580.7618	2,580.7618	0.6279		2,593.9479

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3197	3.1486	4.0429	0.0102	0.2939	0.0529	0.3468	0.0837	0.0487	0.1324		972.6864	972.6864	6.9400e-003		972.8320

Worker	0.4969	0.6260	7.8432	0.0226	1.7884	0.0138	1.8022	0.4743	0.0128	0.4871		1,695.5620	1,695.5620	0.0782		1,697.2050
Total	0.8166	3.7745	11.8861	0.0328	2.0823	0.0667	2.1489	0.5580	0.0614	0.6194		2,668.2484	2,668.2484	0.0852		2,670.0370

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.4799	2,542.4799	0.6194		2,555.4880
Total	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.4799	2,542.4799	0.6194		2,555.4880

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3036	2.7488	3.9063	0.0102	0.2939	0.0484	0.3423	0.0837	0.0445	0.1282		950.7879	950.7879	6.7900e-003		950.9305
Worker	0.4658	0.5804	7.3111	0.0226	1.7884	0.0137	1.8021	0.4743	0.0127	0.4870		1,626.9403	1,626.9403	0.0741		1,628.4963
Total	0.7694	3.3292	11.2174	0.0327	2.0823	0.0621	2.1444	0.5580	0.0572	0.6152		2,577.7282	2,577.7282	0.0809		2,579.4269

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9074	14.0551	18.0858	0.0268		0.8863	0.8863		0.8863	0.8863	0.0000	2,542.4799	2,542.4799	0.6194		2,555.4880
Total	0.9074	14.0551	18.0858	0.0268		0.8863	0.8863		0.8863	0.8863	0.0000	2,542.4799	2,542.4799	0.6194		2,555.4880

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3036	2.7488	3.9063	0.0102	0.2939	0.0484	0.3423	0.0837	0.0445	0.1282		950.7879	950.7879	6.7900e-003		950.9305
Worker	0.4658	0.5804	7.3111	0.0226	1.7884	0.0137	1.8021	0.4743	0.0127	0.4870		1,626.9403	1,626.9403	0.0741		1,628.4963
Total	0.7694	3.3292	11.2174	0.0327	2.0823	0.0621	2.1444	0.5580	0.0572	0.6152		2,577.7282	2,577.7282	0.0809		2,579.4269

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day				
Off-Road	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979	2,542.7817	2,542.7817	0.6126		2,555.6462
Total	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979	2,542.7817	2,542.7817	0.6126		2,555.6462

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2936	2.3343	3.7997	0.0102	0.2939	0.0441	0.3380	0.0837	0.0406	0.1243		950.3847	950.3847	6.8400e-003		950.5284
Worker	0.4409	0.5429	6.8783	0.0226	1.7884	0.0137	1.8021	0.4743	0.0127	0.4870		1,601.9686	1,601.9686	0.0709		1,603.4582
Total	0.7345	2.8771	10.6780	0.0328	2.0823	0.0578	2.1401	0.5580	0.0533	0.6113		2,552.3533	2,552.3533	0.0778		2,553.9866

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8680	13.9927	18.0376	0.0268		0.8735	0.8735		0.8735	0.8735	0.0000	2,542.7817	2,542.7817	0.6126		2,555.6462
Total	0.8680	13.9927	18.0376	0.0268		0.8735	0.8735		0.8735	0.8735	0.0000	2,542.7817	2,542.7817	0.6126		2,555.6462

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2936	2.3343	3.7997	0.0102	0.2939	0.0441	0.3380	0.0837	0.0406	0.1243		950.3847	950.3847	6.8400e-003		950.5284
Worker	0.4409	0.5429	6.8783	0.0226	1.7884	0.0137	1.8021	0.4743	0.0127	0.4870		1,601.9686	1,601.9686	0.0709		1,603.4582
Total	0.7345	2.8771	10.6780	0.0328	2.0823	0.0578	2.1401	0.5580	0.0533	0.6113		2,552.3533	2,552.3533	0.0778		2,553.9866

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581		2,543.7497	2,543.7497	0.6085		2,556.5286
Total	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581		2,543.7497	2,543.7497	0.6085		2,556.5286

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2877	2.1187	3.7118	0.0101	0.2939	0.0436	0.3375	0.0837	0.0401	0.1238		949.5283	949.5283	6.9900e-003		949.6750
Worker	0.4175	0.5094	6.4774	0.0226	1.7884	0.0137	1.8021	0.4743	0.0127	0.4870		1,575.5585	1,575.5585	0.0679		1,576.9849
Total	0.7052	2.6281	10.1892	0.0328	2.0823	0.0573	2.1396	0.5580	0.0528	0.6108		2,525.0867	2,525.0867	0.0749		2,526.6600

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8421	13.9467	18.0146	0.0268		0.8632	0.8632		0.8632	0.8632	0.0000	2,543.7497	2,543.7497	0.6085		2,556.5286
Total	0.8421	13.9467	18.0146	0.0268		0.8632	0.8632		0.8632	0.8632	0.0000	2,543.7497	2,543.7497	0.6085		2,556.5286

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2877	2.1187	3.7118	0.0101	0.2939	0.0436	0.3375	0.0837	0.0401	0.1238		949.5283	949.5283	6.9900e-003		949.6750
Worker	0.4175	0.5094	6.4774	0.0226	1.7884	0.0137	1.8021	0.4743	0.0127	0.4870		1,575.5585	1,575.5585	0.0679		1,576.9849
Total	0.7052	2.6281	10.1892	0.0328	2.0823	0.0573	2.1396	0.5580	0.0528	0.6108		2,525.0867	2,525.0867	0.0749		2,526.6600

3.5 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.9477					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102
Total	6.2463	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1080	0.1365	1.7068	4.5300e-003	0.3577	2.8000e-003	0.3605	0.0949	2.5900e-003	0.0975		352.4760	352.4760	0.0167		352.8271

Total	0.1080	0.1365	1.7068	4.5300e-003	0.3577	2.8000e-003	0.3605	0.0949	2.5900e-003	0.0975		352.4760	352.4760	0.0167		352.8271

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.9477					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4485	281.4485	0.0267		282.0102
Total	6.0071	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4485	281.4485	0.0267		282.0102

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1080	0.1365	1.7068	4.5300e-003	0.3577	2.8000e-003	0.3605	0.0949	2.5900e-003	0.0975		352.4760	352.4760	0.0167		352.8271
Total	0.1080	0.1365	1.7068	4.5300e-003	0.3577	2.8000e-003	0.3605	0.0949	2.5900e-003	0.0975		352.4760	352.4760	0.0167		352.8271

3.5 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.9477					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		281.9473
Total	6.2141	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		281.9473

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0994	0.1252	1.5686	4.5200e-003	0.3577	2.7500e-003	0.3604	0.0949	2.5500e-003	0.0974		339.1124	339.1124	0.0157		339.4410
Total	0.0994	0.1252	1.5686	4.5200e-003	0.3577	2.7500e-003	0.3604	0.0949	2.5500e-003	0.0974		339.1124	339.1124	0.0157		339.4410

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Archit. Coating	5.9477					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0238		281.9473
Total	6.0071	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0238		281.9473

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0994	0.1252	1.5686	4.5200e-003	0.3577	2.7500e-003	0.3604	0.0949	2.5500e-003	0.0974		339.1124	339.1124	0.0157		339.4410
Total	0.0994	0.1252	1.5686	4.5200e-003	0.3577	2.7500e-003	0.3604	0.0949	2.5500e-003	0.0974		339.1124	339.1124	0.0157		339.4410

3.5 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.9477					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9057
Total	6.1898	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9057

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0932	0.1161	1.4622	4.5200e-003	0.3577	2.7300e-003	0.3604	0.0949	2.5400e-003	0.0974		325.3881	325.3881	0.0148		325.6993
Total	0.0932	0.1161	1.4622	4.5200e-003	0.3577	2.7300e-003	0.3604	0.0949	2.5400e-003	0.0974		325.3881	325.3881	0.0148		325.6993

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.9477					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0218		281.9057
Total	6.0071	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0218		281.9057

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0932	0.1161	1.4622	4.5200e-003	0.3577	2.7300e-003	0.3604	0.0949	2.5400e-003	0.0974		325.3881	325.3881	0.0148		325.6993
Total	0.0932	0.1161	1.4622	4.5200e-003	0.3577	2.7300e-003	0.3604	0.0949	2.5400e-003	0.0974		325.3881	325.3881	0.0148		325.6993

3.5 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.9477					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.8537
Total	6.1666	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.8537

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0882	0.1086	1.3757	4.5300e-003	0.3577	2.7400e-003	0.3604	0.0949	2.5400e-003	0.0974		320.3937	320.3937	0.0142		320.6917
Total	0.0882	0.1086	1.3757	4.5300e-003	0.3577	2.7400e-003	0.3604	0.0949	2.5400e-003	0.0974		320.3937	320.3937	0.0142		320.6917

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.9477					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0193		281.8537
Total	6.0071	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0193		281.8537

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0882	0.1086	1.3757	4.5300e-003	0.3577	2.7400e-003	0.3604	0.0949	2.5400e-003	0.0974		320.3937	320.3937	0.0142		320.6917
Total	0.0882	0.1086	1.3757	4.5300e-003	0.3577	2.7400e-003	0.3604	0.0949	2.5400e-003	0.0974		320.3937	320.3937	0.0142		320.6917

3.5 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.9477					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.8329
Total	6.1522	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.8329

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0835	0.1019	1.2955	4.5300e-003	0.3577	2.7400e-003	0.3604	0.0949	2.5400e-003	0.0974		315.1117	315.1117	0.0136		315.3970
Total	0.0835	0.1019	1.2955	4.5300e-003	0.3577	2.7400e-003	0.3604	0.0949	2.5400e-003	0.0974		315.1117	315.1117	0.0136		315.3970

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.9477					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0183		281.8329
Total	6.0071	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0183		281.8329

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0835	0.1019	1.2955	4.5300e-003	0.3577	2.7400e-003	0.3604	0.0949	2.5400e-003	0.0974		315.1117	315.1117	0.0136		315.3970
Total	0.0835	0.1019	1.2955	4.5300e-003	0.3577	2.7400e-003	0.3604	0.0949	2.5400e-003	0.0974		315.1117	315.1117	0.0136		315.3970

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0815	10.9108	14.2815	0.0223		0.5577	0.5577		0.5131	0.5131		2,160.6869	2,160.6869	0.6988		2,175.3619

Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0815	10.9108	14.2815	0.0223		0.5577	0.5577		0.5131	0.5131		2,160.6869	2,160.6869	0.6988		2,175.3619

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0391	0.0478	0.6073	2.1200e-003	0.1677	1.2800e-003	0.1690	0.0445	1.1900e-003	0.0457		147.7086	147.7086	6.3700e-003		147.8423
Total	0.0391	0.0478	0.6073	2.1200e-003	0.1677	1.2800e-003	0.1690	0.0445	1.1900e-003	0.0457		147.7086	147.7086	6.3700e-003		147.8423

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5490	11.0645	16.9276	0.0223		0.5982	0.5982		0.5982	0.5982	0.0000	2,160.6869	2,160.6869	0.6988		2,175.3619
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5490	11.0645	16.9276	0.0223		0.5982	0.5982		0.5982	0.5982	0.0000	2,160.6869	2,160.6869	0.6988		2,175.3619

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0391	0.0478	0.6073	2.1200e-003	0.1677	1.2800e-003	0.1690	0.0445	1.1900e-003	0.0457		147.7086	147.7086	6.3700e-003		147.8423
Total	0.0391	0.0478	0.6073	2.1200e-003	0.1677	1.2800e-003	0.1690	0.0445	1.1900e-003	0.0457		147.7086	147.7086	6.3700e-003		147.8423

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		

Single Family Housing	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.505577	0.059791	0.182076	0.140653	0.043205	0.006799	0.016326	0.033954	0.001968	0.002512	0.004300	0.000570	0.002269

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Mitigated	16.9329	0.4230	36.6825	1.9400e-003		0.2027	0.2027		0.2027	0.2027	0.0000	65.9840	65.9840	0.0637	0.0000	67.3217
Unmitigated	16.9329	0.4230	36.6825	1.9400e-003		0.2027	0.2027		0.2027	0.2027	0.0000	65.9840	65.9840	0.0637	0.0000	67.3217

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	15.8242					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.1088	0.4230	36.6825	1.9400e-003		0.2027	0.2027		0.2027	0.2027		65.9840	65.9840	0.0637		67.3217
Total	16.9329	0.4230	36.6825	1.9400e-003		0.2027	0.2027		0.2027	0.2027	0.0000	65.9840	65.9840	0.0637	0.0000	67.3217

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	15.8242					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.1088	0.4230	36.6825	1.9400e-003		0.2027	0.2027		0.2027	0.2027		65.9840	65.9840	0.0637		67.3217
Total	16.9329	0.4230	36.6825	1.9400e-003		0.2027	0.2027		0.2027	0.2027	0.0000	65.9840	65.9840	0.0637	0.0000	67.3217

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Rancho San Gorgonio Specific Plan - Phase 3 - Construction

South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	122.00	Acre	122.00	0.00	0
Single Family Housing	444.00	Dwelling Unit	144.16	799,200.00	1270

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - No buildings in the community parks (represented by Other Non-Asphalt Surfaces).

Construction Phase - Construction will be completed by 2022, assume architectural coatings applied during building construction.

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Trips and VMT -

Grading -

Architectural Coating -

Vehicle Trips - No operations

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - no operations

Consumer Products - no operations

Area Coating - no operations

Landscape Equipment - no operations

Energy Use - no operations

Water And Wastewater - no operations

Solid Waste - no operations

Construction Off-road Equipment Mitigation - Dust control measures as required by SCAQMD Rule 403.

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	330.00	1,051.00
tblConstructionPhase	NumDays	4,650.00	1,114.00
tblConstructionPhase	NumDays	465.00	44.00
tblConstructionPhase	NumDays	330.00	61.00
tblConstructionPhase	NumDays	180.00	22.00
tblConstructionPhase	PhaseEndDate	7/21/2026	7/11/2022
tblConstructionPhase	PhaseEndDate	4/2/2018	4/3/2018
tblConstructionPhase	PhaseStartDate	7/12/2022	7/1/2018
tblConstructionPhase	PhaseStartDate	1/31/2018	2/1/2018
tblEnergyUse	LightingElect	1,608.84	0.00
tblEnergyUse	NT24E	5,089.81	0.00
tblEnergyUse	NT24NG	5,950.14	0.00
tblEnergyUse	T24E	980.99	0.00
tblEnergyUse	T24NG	27,816.78	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	377.40	0.00
tblFireplaces	NumberNoFireplace	44.40	0.00
tblFireplaces	NumberWood	22.20	0.00
tblLandUse	LandUseSquareFeet	5,314,320.00	0.00

tblProjectCharacteristics	OperationalYear	2014	2022
tblSolidWaste	SolidWasteGenerationRate	520.70	0.00
tblVehicleTrips	ST_TR	10.08	0.00
tblVehicleTrips	SU_TR	8.77	0.00
tblVehicleTrips	WD_TR	9.57	0.00
tblWater	IndoorWaterUseRate	28,928,387.38	0.00
tblWater	OutdoorWaterUseRate	18,237,461.61	0.00
tblWoodstoves	NumberCatalytic	22.20	0.00
tblWoodstoves	NumberNoncatalytic	22.20	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	9.9417	59.6275	43.2828	0.0654	18.2675	2.7898	20.6344	9.9840	2.5666	12.1617	0.0000	6,419.3612	6,419.3612	1.9446	0.0000	6,460.1973
2019	9.5193	26.8477	32.5064	0.0653	2.4400	1.4837	3.9237	0.6529	1.4015	2.0543	0.0000	5,734.1266	5,734.1266	0.7527	0.0000	5,749.9340
2020	9.1986	24.3434	31.4426	0.0653	2.4400	1.2890	3.7290	0.6529	1.2175	1.8704	0.0000	5,596.6014	5,596.6014	0.7372	0.0000	5,612.0820
2021	8.9151	21.9689	30.5559	0.0653	2.4400	1.1098	3.5498	0.6529	1.0481	1.7009	0.0000	5,568.0990	5,568.0990	0.7241	0.0000	5,583.3055
2022	8.6713	19.7818	29.7820	0.0653	2.4400	0.9478	3.3878	0.6529	0.8955	1.5484	0.0000	5,538.2673	5,538.2673	0.7156	0.0000	5,553.2950
Total	46.2458	152.5692	167.5697	0.3265	28.0274	7.6201	35.2247	12.5955	7.1291	19.3356	0.0000	28,856.4554	28,856.4554	4.8742	0.0000	28,958.8137

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	8.0409	29.8734	38.9192	0.0654	7.2470	1.3251	8.2097	3.9263	1.3250	4.8889	0.0000	6,419.3612	6,419.3612	1.9446	0.0000	6,460.1973
2019	7.9111	19.5123	33.5031	0.0653	2.4400	1.0640	3.5040	0.6529	1.0585	1.7114	0.0000	5,734.1266	5,734.1266	0.7527	0.0000	5,749.9340
2020	7.8120	18.9878	32.7209	0.0653	2.4400	1.0465	3.4865	0.6529	1.0414	1.6943	0.0000	5,596.6014	5,596.6014	0.7372	0.0000	5,612.0820
2021	7.7305	18.4514	32.0707	0.0653	2.4400	1.0294	3.4694	0.6529	1.0247	1.6775	0.0000	5,568.0990	5,568.0990	0.7241	0.0000	5,583.3055
2022	7.6691	18.1406	31.4878	0.0653	2.4400	1.0187	3.4587	0.6529	1.0140	1.6669	0.0000	5,538.2673	5,538.2673	0.7156	0.0000	5,553.2950
Total	39.1636	104.9655	168.7017	0.3265	17.0070	5.4838	22.1282	6.5378	5.4636	11.6389	0.0000	28,856.4553	28,856.4553	4.8742	0.0000	28,958.8137

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	15.31	31.20	-0.68	0.00	39.32	28.04	37.18	48.09	23.36	39.81	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	16.9329	0.4230	36.6825	1.9400e-003		0.2027	0.2027		0.2027	0.2027	0.0000	65.9840	65.9840	0.0637	0.0000	67.3217
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	16.9329	0.4230	36.6825	1.9400e-003	0.0000	0.2027	0.2027	0.0000	0.2027	0.2027	0.0000	65.9840	65.9840	0.0637	0.0000	67.3217

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	16.9329	0.4230	36.6825	1.9400e-003		0.2027	0.2027		0.2027	0.2027	0.0000	65.9840	65.9840	0.0637	0.0000	67.3217
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	16.9329	0.4230	36.6825	1.9400e-003	0.0000	0.2027	0.2027	0.0000	0.2027	0.2027	0.0000	65.9840	65.9840	0.0637	0.0000	67.3217

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2018	1/30/2018	5	22	
2	Grading	Grading	2/1/2018	4/3/2018	5	44	
3	Building Construction	Building Construction	4/4/2018	7/11/2022	5	1114	
4	Architectural Coating	Architectural Coating	7/1/2018	7/11/2022	5	1051	
5	Paving	Paving	7/12/2022	10/4/2022	5	61	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 110

Acres of Paving: 0

Residential Indoor: 1,618,380; Residential Outdoor: 539,460; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Building Construction	9	160.00	47.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	32.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.2921	45.6088	36.2346	0.0391		2.3654	2.3654		2.1762	2.1762		3,939.7731	3,939.7731	1.2265		3,965.5297
Total	4.2921	45.6088	36.2346	0.0391	18.0663	2.3654	20.4317	9.9307	2.1762	12.1069		3,939.7731	3,939.7731	1.2265		3,965.5297

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0618	0.0843	0.8784	2.3900e-003	0.2012	1.5800e-003	0.2028	0.0534	1.4600e-003	0.0548		185.9013	185.9013	9.4000e-003		186.0988
Total	0.0618	0.0843	0.8784	2.3900e-003	0.2012	1.5800e-003	0.2028	0.0534	1.4600e-003	0.0548		185.9013	185.9013	9.4000e-003		186.0988

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.9515	19.4584	23.4003	0.0391		0.9611	0.9611		0.9611	0.9611	0.0000	3,939.7731	3,939.7731	1.2265		3,965.5297
Total	0.9515	19.4584	23.4003	0.0391	7.0458	0.9611	8.0069	3.8730	0.9611	4.8340	0.0000	3,939.7731	3,939.7731	1.2265		3,965.5297

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0618	0.0843	0.8784	2.3900e-003	0.2012	1.5800e-003	0.2028	0.0534	1.4600e-003	0.0548		185.9013	185.9013	9.4000e-003		186.0988
Total	0.0618	0.0843	0.8784	2.3900e-003	0.2012	1.5800e-003	0.2028	0.0534	1.4600e-003	0.0548		185.9013	185.9013	9.4000e-003		186.0988

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.2895	59.5338	42.3068	0.0617		2.7880	2.7880		2.5650	2.5650		6,212.8042	6,212.8042	1.9341		6,253.4209
Total	5.2895	59.5338	42.3068	0.0617	8.6733	2.7880	11.4614	3.5965	2.5650	6.1615		6,212.8042	6,212.8042	1.9341		6,253.4209

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0687	0.0937	0.9760	2.6500e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6200e-003	0.0609		206.5570	206.5570	0.0105		206.7764
Total	0.0687	0.0937	0.9760	2.6500e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6200e-003	0.0609		206.5570	206.5570	0.0105		206.7764

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000			0.0000
Off-Road	1.5128	29.7798	37.9432	0.0617		1.3234	1.3234		1.3234	1.3234	0.0000	6,212.8041	6,212.8041	1.9341		6,253.4209
Total	1.5128	29.7798	37.9432	0.0617	3.3826	1.3234	4.7060	1.4026	1.3234	2.7260	0.0000	6,212.8041	6,212.8041	1.9341		6,253.4209

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0687	0.0937	0.9760	2.6500e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6200e-003	0.0609		206.5570	206.5570	0.0105		206.7764
Total	0.0687	0.0937	0.9760	2.6500e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6200e-003	0.0609		206.5570	206.5570	0.0105		206.7764

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517

Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3675	3.4954	5.1261	0.0101	0.2938	0.0563	0.3501	0.0837	0.0518	0.1355		983.6657	983.6657	7.3000e-003		983.8190
Worker	0.5494	0.7493	7.8080	0.0212	1.7884	0.0140	1.8024	0.4743	0.0130	0.4873		1,652.4562	1,652.4562	0.0836		1,654.2114
Total	0.9168	4.2446	12.9341	0.0313	2.0823	0.0703	2.1525	0.5580	0.0647	0.6227		2,636.1219	2,636.1219	0.0909		2,638.0304

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0071	14.1658	18.1778	0.0268		0.9129	0.9129		0.9129	0.9129	0.0000	2,609.9389	2,609.9389	0.6387		2,623.3517
Total	1.0071	14.1658	18.1778	0.0268		0.9129	0.9129		0.9129	0.9129	0.0000	2,609.9389	2,609.9389	0.6387		2,623.3517

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3675	3.4954	5.1261	0.0101	0.2938	0.0563	0.3501	0.0837	0.0518	0.1355		983.6657	983.6657	7.3000e-003		983.8190
Worker	0.5494	0.7493	7.8080	0.0212	1.7884	0.0140	1.8024	0.4743	0.0130	0.4873		1,652.4562	1,652.4562	0.0836		1,654.2114
Total	0.9168	4.2446	12.9341	0.0313	2.0823	0.0703	2.1525	0.5580	0.0647	0.6227		2,636.1219	2,636.1219	0.0909		2,638.0304

3.4 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083		2,580.7618	2,580.7618	0.6279		2,593.9479
Total	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083		2,580.7618	2,580.7618	0.6279		2,593.9479

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3474	3.2228	4.9577	0.0101	0.2939	0.0534	0.3472	0.0837	0.0491	0.1328	964.4604	964.4604	7.1700e-003		964.6109
Worker	0.5051	0.6871	7.1559	0.0212	1.7884	0.0138	1.8022	0.4743	0.0128	0.4871	1,589.5470	1,589.5470	0.0782		1,591.1899
Total	0.8525	3.9099	12.1136	0.0313	2.0823	0.0671	2.1494	0.5580	0.0619	0.6199	2,554.0073	2,554.0073	0.0854		2,555.8008

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9505	14.1081	18.1259	0.0268		0.8990	0.8990		0.8990	0.8990	0.0000	2,580.7618	2,580.7618	0.6279		2,593.9479
Total	0.9505	14.1081	18.1259	0.0268		0.8990	0.8990		0.8990	0.8990	0.0000	2,580.7618	2,580.7618	0.6279		2,593.9479

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3474	3.2228	4.9577	0.0101	0.2939	0.0534	0.3472	0.0837	0.0491	0.1328		964.4604	964.4604	7.1700e-003		964.6109

Worker	0.5051	0.6871	7.1559	0.0212	1.7884	0.0138	1.8022	0.4743	0.0128	0.4871		1,589.547 0	1,589.5470	0.0782		1,591.189 9
Total	0.8525	3.9099	12.1136	0.0313	2.0823	0.0671	2.1494	0.5580	0.0619	0.6199		2,554.007 3	2,554.0073	0.0854		2,555.800 8

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.479 9	2,542.4799	0.6194		2,555.488 0
Total	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.479 9	2,542.4799	0.6194		2,555.488 0

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3294	2.8116	4.8138	0.0101	0.2939	0.0488	0.3427	0.0837	0.0449	0.1286		942.7247	942.7247	7.0300e- 003		942.8723
Worker	0.4734	0.6367	6.6575	0.0212	1.7884	0.0137	1.8021	0.4743	0.0127	0.4870		1,524.957 3	1,524.9573	0.0741		1,526.513 3
Total	0.8028	3.4483	11.4712	0.0312	2.0823	0.0625	2.1448	0.5580	0.0576	0.6156		2,467.682 0	2,467.6820	0.0811		2,469.385 6

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9074	14.0551	18.0858	0.0268		0.8863	0.8863		0.8863	0.8863	0.0000	2,542.4799	2,542.4799	0.6194		2,555.4880
Total	0.9074	14.0551	18.0858	0.0268		0.8863	0.8863		0.8863	0.8863	0.0000	2,542.4799	2,542.4799	0.6194		2,555.4880

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3294	2.8116	4.8138	0.0101	0.2939	0.0488	0.3427	0.0837	0.0449	0.1286		942.7247	942.7247	7.0300e-003		942.8723
Worker	0.4734	0.6367	6.6575	0.0212	1.7884	0.0137	1.8021	0.4743	0.0127	0.4870		1,524.9573	1,524.9573	0.0741		1,526.5133
Total	0.8028	3.4483	11.4712	0.0312	2.0823	0.0625	2.1448	0.5580	0.0576	0.6156		2,467.6820	2,467.6820	0.0811		2,469.3856

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day				
Off-Road	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979	2,542.7817	2,542.7817	0.6126		2,555.6462
Total	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979	2,542.7817	2,542.7817	0.6126		2,555.6462

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3179	2.3875	4.6986	0.0101	0.2939	0.0444	0.3383	0.0837	0.0409	0.1246		942.3206	942.3206	7.0900e-003		942.4695
Worker	0.4480	0.5953	6.2517	0.0212	1.7884	0.0137	1.8021	0.4743	0.0127	0.4870		1,501.2905	1,501.2905	0.0709		1,502.7802
Total	0.7658	2.9827	10.9504	0.0313	2.0823	0.0581	2.1404	0.5580	0.0536	0.6116		2,443.6111	2,443.6111	0.0780		2,445.2496

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8680	13.9927	18.0376	0.0268		0.8735	0.8735		0.8735	0.8735	0.0000	2,542.7817	2,542.7817	0.6126		2,555.6462
Total	0.8680	13.9927	18.0376	0.0268		0.8735	0.8735		0.8735	0.8735	0.0000	2,542.7817	2,542.7817	0.6126		2,555.6462

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3179	2.3875	4.6986	0.0101	0.2939	0.0444	0.3383	0.0837	0.0409	0.1246		942.3206	942.3206	7.0900e-003		942.4695
Worker	0.4480	0.5953	6.2517	0.0212	1.7884	0.0137	1.8021	0.4743	0.0127	0.4870		1,501.2905	1,501.2905	0.0709		1,502.7802
Total	0.7658	2.9827	10.9504	0.0313	2.0823	0.0581	2.1404	0.5580	0.0536	0.6116		2,443.6111	2,443.6111	0.0780		2,445.2496

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581		2,543.7497	2,543.7497	0.6085		2,556.5286
Total	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581		2,543.7497	2,543.7497	0.6085		2,556.5286

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3108	2.1671	4.5887	0.0101	0.2939	0.0439	0.3378	0.0837	0.0404	0.1241		941.4695	941.4695	7.2500e-003		941.6217
Worker	0.4243	0.5582	5.8768	0.0212	1.7884	0.0137	1.8021	0.4743	0.0127	0.4870		1,476.3334	1,476.3334	0.0679		1,477.7598
Total	0.7350	2.7253	10.4655	0.0313	2.0823	0.0576	2.1399	0.5580	0.0531	0.6111		2,417.8029	2,417.8029	0.0752		2,419.3815

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8421	13.9467	18.0146	0.0268		0.8632	0.8632		0.8632	0.8632	0.0000	2,543.7497	2,543.7497	0.6085		2,556.5286
Total	0.8421	13.9467	18.0146	0.0268		0.8632	0.8632		0.8632	0.8632	0.0000	2,543.7497	2,543.7497	0.6085		2,556.5286

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3108	2.1671	4.5887	0.0101	0.2939	0.0439	0.3378	0.0837	0.0404	0.1241		941.4695	941.4695	7.2500e-003	941.6217
Worker	0.4243	0.5582	5.8768	0.0212	1.7884	0.0137	1.8021	0.4743	0.0127	0.4870		1,476.3334	1,476.3334	0.0679	1,477.7598
Total	0.7350	2.7253	10.4655	0.0313	2.0823	0.0576	2.1399	0.5580	0.0531	0.6111		2,417.8029	2,417.8029	0.0752	2,419.3815

3.5 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.9477					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102
Total	6.2463	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1099	0.1499	1.5616	4.2400e-003	0.3577	2.8000e-003	0.3605	0.0949	2.5900e-003	0.0975		330.4913	330.4913	0.0167		330.8423

Total	0.1099	0.1499	1.5616	4.2400e-003	0.3577	2.8000e-003	0.3605	0.0949	2.5900e-003	0.0975		330.4913	330.4913	0.0167		330.8423

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.9477					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4485	281.4485	0.0267		282.0102
Total	6.0071	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4485	281.4485	0.0267		282.0102

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1099	0.1499	1.5616	4.2400e-003	0.3577	2.8000e-003	0.3605	0.0949	2.5900e-003	0.0975		330.4913	330.4913	0.0167		330.8423
Total	0.1099	0.1499	1.5616	4.2400e-003	0.3577	2.8000e-003	0.3605	0.0949	2.5900e-003	0.0975		330.4913	330.4913	0.0167		330.8423

3.5 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.9477					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		281.9473
Total	6.2141	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		281.9473

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1010	0.1374	1.4312	4.2300e-003	0.3577	2.7500e-003	0.3604	0.0949	2.5500e-003	0.0974		317.9094	317.9094	0.0157		318.2380
Total	0.1010	0.1374	1.4312	4.2300e-003	0.3577	2.7500e-003	0.3604	0.0949	2.5500e-003	0.0974		317.9094	317.9094	0.0157		318.2380

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Archit. Coating	5.9477					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0238		281.9473
Total	6.0071	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0238		281.9473

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1010	0.1374	1.4312	4.2300e-003	0.3577	2.7500e-003	0.3604	0.0949	2.5500e-003	0.0974		317.9094	317.9094	0.0157		318.2380
Total	0.1010	0.1374	1.4312	4.2300e-003	0.3577	2.7500e-003	0.3604	0.0949	2.5500e-003	0.0974		317.9094	317.9094	0.0157		318.2380

3.5 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.9477					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9057
Total	6.1898	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9057

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0947	0.1273	1.3315	4.2300e-003	0.3577	2.7300e-003	0.3604	0.0949	2.5400e-003	0.0974		304.9915	304.9915	0.0148		305.3027
Total	0.0947	0.1273	1.3315	4.2300e-003	0.3577	2.7300e-003	0.3604	0.0949	2.5400e-003	0.0974		304.9915	304.9915	0.0148		305.3027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.9477					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0218		281.9057
Total	6.0071	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0218		281.9057

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0947	0.1273	1.3315	4.2300e-003	0.3577	2.7300e-003	0.3604	0.0949	2.5400e-003	0.0974		304.9915	304.9915	0.0148		305.3027
Total	0.0947	0.1273	1.3315	4.2300e-003	0.3577	2.7300e-003	0.3604	0.0949	2.5400e-003	0.0974		304.9915	304.9915	0.0148		305.3027

3.5 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.9477					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.8537
Total	6.1666	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.8537

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0896	0.1191	1.2504	4.2400e-003	0.3577	2.7400e-003	0.3604	0.0949	2.5400e-003	0.0974		300.2581	300.2581	0.0142		300.5560
Total	0.0896	0.1191	1.2504	4.2400e-003	0.3577	2.7400e-003	0.3604	0.0949	2.5400e-003	0.0974		300.2581	300.2581	0.0142		300.5560

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.9477					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0193		281.8537
Total	6.0071	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0193		281.8537

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0896	0.1191	1.2504	4.2400e-003	0.3577	2.7400e-003	0.3604	0.0949	2.5400e-003	0.0974		300.2581	300.2581	0.0142		300.5560
Total	0.0896	0.1191	1.2504	4.2400e-003	0.3577	2.7400e-003	0.3604	0.0949	2.5400e-003	0.0974		300.2581	300.2581	0.0142		300.5560

3.5 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.9477					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.8329
Total	6.1522	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.8329

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0849	0.1116	1.1754	4.2400e-003	0.3577	2.7400e-003	0.3604	0.0949	2.5400e-003	0.0974		295.2667	295.2667	0.0136		295.5520
Total	0.0849	0.1116	1.1754	4.2400e-003	0.3577	2.7400e-003	0.3604	0.0949	2.5400e-003	0.0974		295.2667	295.2667	0.0136		295.5520

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.9477					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0183		281.8329
Total	6.0071	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0183		281.8329

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0849	0.1116	1.1754	4.2400e-003	0.3577	2.7400e-003	0.3604	0.0949	2.5400e-003	0.0974		295.2667	295.2667	0.0136		295.5520
Total	0.0849	0.1116	1.1754	4.2400e-003	0.3577	2.7400e-003	0.3604	0.0949	2.5400e-003	0.0974		295.2667	295.2667	0.0136		295.5520

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0815	10.9108	14.2815	0.0223		0.5577	0.5577		0.5131	0.5131		2,160.6869	2,160.6869	0.6988		2,175.3619

Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0815	10.9108	14.2815	0.0223		0.5577	0.5577		0.5131	0.5131		2,160.6869	2,160.6869	0.6988		2,175.3619

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0398	0.0523	0.5510	1.9900e-003	0.1677	1.2800e-003	0.1690	0.0445	1.1900e-003	0.0457		138.4063	138.4063	6.3700e-003		138.5400
Total	0.0398	0.0523	0.5510	1.9900e-003	0.1677	1.2800e-003	0.1690	0.0445	1.1900e-003	0.0457		138.4063	138.4063	6.3700e-003		138.5400

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5490	11.0645	16.9276	0.0223		0.5982	0.5982		0.5982	0.5982	0.0000	2,160.6869	2,160.6869	0.6988		2,175.3619
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5490	11.0645	16.9276	0.0223		0.5982	0.5982		0.5982	0.5982	0.0000	2,160.6869	2,160.6869	0.6988		2,175.3619

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0398	0.0523	0.5510	1.9900e-003	0.1677	1.2800e-003	0.1690	0.0445	1.1900e-003	0.0457		138.4063	138.4063	6.3700e-003		138.5400
Total	0.0398	0.0523	0.5510	1.9900e-003	0.1677	1.2800e-003	0.1690	0.0445	1.1900e-003	0.0457		138.4063	138.4063	6.3700e-003		138.5400

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		

Single Family Housing	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.505577	0.059791	0.182076	0.140653	0.043205	0.006799	0.016326	0.033954	0.001968	0.002512	0.004300	0.000570	0.002269

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Mitigated	16.9329	0.4230	36.6825	1.9400e-003		0.2027	0.2027		0.2027	0.2027	0.0000	65.9840	65.9840	0.0637	0.0000	67.3217
Unmitigated	16.9329	0.4230	36.6825	1.9400e-003		0.2027	0.2027		0.2027	0.2027	0.0000	65.9840	65.9840	0.0637	0.0000	67.3217

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	15.8242					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.1088	0.4230	36.6825	1.9400e-003		0.2027	0.2027		0.2027	0.2027		65.9840	65.9840	0.0637		67.3217
Total	16.9329	0.4230	36.6825	1.9400e-003		0.2027	0.2027		0.2027	0.2027	0.0000	65.9840	65.9840	0.0637	0.0000	67.3217

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	15.8242					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.1088	0.4230	36.6825	1.9400e-003		0.2027	0.2027		0.2027	0.2027		65.9840	65.9840	0.0637		67.3217
Total	16.9329	0.4230	36.6825	1.9400e-003		0.2027	0.2027		0.2027	0.2027	0.0000	65.9840	65.9840	0.0637	0.0000	67.3217

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Rancho San Gorgonio Specific Plan - Phase 3 - Construction

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	122.00	Acre	122.00	0.00	0
Single Family Housing	444.00	Dwelling Unit	144.16	799,200.00	1270

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - No buildings in the community parks (represented by Other Non-Asphalt Surfaces).

Construction Phase - Construction will be completed by 2022, assume architectural coatings applied during building construction.

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Trips and VMT -

Grading -

Architectural Coating -

Vehicle Trips - No operations

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - no operations

Consumer Products - no operations

Area Coating - no operations

Landscape Equipment - no operations

Energy Use - no operations

Water And Wastewater - no operations

Solid Waste - no operations

Construction Off-road Equipment Mitigation - Dust control measures as required by SCAQMD Rule 403.

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	330.00	1,051.00
tblConstructionPhase	NumDays	4,650.00	1,114.00
tblConstructionPhase	NumDays	465.00	44.00
tblConstructionPhase	NumDays	330.00	61.00
tblConstructionPhase	NumDays	180.00	22.00
tblConstructionPhase	PhaseEndDate	7/21/2026	7/11/2022
tblConstructionPhase	PhaseEndDate	4/2/2018	4/3/2018
tblConstructionPhase	PhaseStartDate	7/12/2022	7/1/2018
tblConstructionPhase	PhaseStartDate	1/31/2018	2/1/2018
tblEnergyUse	LightingElect	1,608.84	0.00
tblEnergyUse	NT24E	5,089.81	0.00
tblEnergyUse	NT24NG	5,950.14	0.00
tblEnergyUse	T24E	980.99	0.00
tblEnergyUse	T24NG	27,816.78	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	377.40	0.00
tblFireplaces	NumberNoFireplace	44.40	0.00
tblFireplaces	NumberWood	22.20	0.00
tblLandUse	LandUseSquareFeet	5,314,320.00	0.00

tblProjectCharacteristics	OperationalYear	2014	2022
tblSolidWaste	SolidWasteGenerationRate	520.70	0.00
tblVehicleTrips	ST_TR	10.08	0.00
tblVehicleTrips	SU_TR	8.77	0.00
tblVehicleTrips	WD_TR	9.57	0.00
tblWater	IndoorWaterUseRate	28,928,387.38	0.00
tblWater	OutdoorWaterUseRate	18,237,461.61	0.00
tblWoodstoves	NumberCatalytic	22.20	0.00
tblWoodstoves	NumberNoncatalytic	22.20	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	0.9252	4.6329	4.5475	8.0300e-003	0.6179	0.2492	0.8671	0.2496	0.2330	0.4825	0.0000	670.3815	670.3815	0.1179	0.0000	672.8577
2019	1.2362	3.5151	4.2514	8.5800e-003	0.3127	0.1936	0.5062	0.0838	0.1829	0.2666	0.0000	682.9397	682.9397	0.0891	0.0000	684.8108
2020	1.1993	3.1992	4.1264	8.6100e-003	0.3139	0.1688	0.4827	0.0841	0.1595	0.2436	0.0000	669.0607	669.0607	0.0876	0.0000	670.9001
2021	1.1580	2.8758	3.9933	8.5800e-003	0.3127	0.1448	0.4575	0.0838	0.1368	0.2205	0.0000	663.0846	663.0846	0.0857	0.0000	664.8845
2022	0.6210	1.6838	2.4803	5.2100e-003	0.1679	0.0815	0.2494	0.0450	0.0766	0.1216	0.0000	407.3214	407.3214	0.0637	0.0000	408.6580
Total	5.1397	15.9068	19.3989	0.0390	1.7250	0.8379	2.5629	0.5462	0.7886	1.3348	0.0000	3,092.7880	3,092.7880	0.4440	0.0000	3,102.1111

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	0.6285	2.7659	4.3714	8.0300e-003	0.3803	0.1415	0.5217	0.1347	0.1409	0.2756	0.0000	670.3810	670.3810	0.1179	0.0000	672.8573
2019	1.0264	2.5578	4.3815	8.5800e-003	0.3127	0.1388	0.4515	0.0838	0.1381	0.2219	0.0000	682.9393	682.9393	0.0891	0.0000	684.8104
2020	1.0176	2.4976	4.2939	8.6100e-003	0.3139	0.1371	0.4509	0.0841	0.1364	0.2205	0.0000	669.0603	669.0603	0.0876	0.0000	670.8997
2021	1.0034	2.4168	4.1910	8.5800e-003	0.3127	0.1343	0.4470	0.0838	0.1337	0.2175	0.0000	663.0842	663.0842	0.0857	0.0000	664.8841
2022	0.5367	1.5769	2.6770	5.2100e-003	0.1679	0.0875	0.2555	0.0450	0.0872	0.1322	0.0000	407.3211	407.3211	0.0637	0.0000	408.6577
Total	4.2125	11.8150	19.9147	0.0390	1.4873	0.6392	2.1266	0.4313	0.6364	1.0677	0.0000	3,092.7860	3,092.7860	0.4440	0.0000	3,102.1091

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	18.04	25.72	-2.66	0.00	13.78	23.71	17.02	21.04	19.31	20.01	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.0265	0.0529	4.5853	2.4000e-004		0.0253	0.0253		0.0253	0.0253	0.0000	7.4825	7.4825	7.2200e-003	0.0000	7.6342
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.0265	0.0529	4.5853	2.4000e-004	0.0000	0.0253	0.0253	0.0000	0.0253	0.0253	0.0000	7.4825	7.4825	7.2200e-003	0.0000	7.6342

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.0265	0.0529	4.5853	2.4000e-004		0.0253	0.0253		0.0253	0.0253	0.0000	7.4825	7.4825	7.2200e-003	0.0000	7.6342
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.0265	0.0529	4.5853	2.4000e-004	0.0000	0.0253	0.0253	0.0000	0.0253	0.0253	0.0000	7.4825	7.4825	7.2200e-003	0.0000	7.6342

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2018	1/30/2018	5	22	
2	Grading	Grading	2/1/2018	4/3/2018	5	44	
3	Building Construction	Building Construction	4/4/2018	7/11/2022	5	1114	
4	Architectural Coating	Architectural Coating	7/1/2018	7/11/2022	5	1051	
5	Paving	Paving	7/12/2022	10/4/2022	5	61	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 110

Acres of Paving: 0

Residential Indoor: 1,618,380; Residential Outdoor: 539,460; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36

Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	160.00	47.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	32.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1987	0.0000	0.1987	0.1092	0.0000	0.1092	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0472	0.5017	0.3986	4.3000e-004		0.0260	0.0260		0.0239	0.0239	0.0000	39.3151	39.3151	0.0122	0.0000	39.5722
Total	0.0472	0.5017	0.3986	4.3000e-004	0.1987	0.0260	0.2248	0.1092	0.0239	0.1332	0.0000	39.3151	39.3151	0.0122	0.0000	39.5722

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.4000e-004	9.5000e-004	9.9100e-003	3.0000e-005	2.1700e-003	2.0000e-005	2.1900e-003	5.8000e-004	2.0000e-005	5.9000e-004	0.0000	1.8841	1.8841	9.0000e-005	0.0000	1.8860
Total	6.4000e-004	9.5000e-004	9.9100e-003	3.0000e-005	2.1700e-003	2.0000e-005	2.1900e-003	5.8000e-004	2.0000e-005	5.9000e-004	0.0000	1.8841	1.8841	9.0000e-005	0.0000	1.8860

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0775	0.0000	0.0775	0.0426	0.0000	0.0426	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0105	0.2140	0.2574	4.3000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	39.3151	39.3151	0.0122	0.0000	39.5721
Total	0.0105	0.2140	0.2574	4.3000e-004	0.0775	0.0106	0.0881	0.0426	0.0106	0.0532	0.0000	39.3151	39.3151	0.0122	0.0000	39.5721

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.4000e-004	9.5000e-004	9.9100e-003	3.0000e-005	2.1700e-003	2.0000e-005	2.1900e-003	5.8000e-004	2.0000e-005	5.9000e-004	0.0000	1.8841	1.8841	9.0000e-005	0.0000	1.8860
Total	6.4000e-004	9.5000e-004	9.9100e-003	3.0000e-005	2.1700e-003	2.0000e-005	2.1900e-003	5.8000e-004	2.0000e-005	5.9000e-004	0.0000	1.8841	1.8841	9.0000e-005	0.0000	1.8860

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1908	0.0000	0.1908	0.0791	0.0000	0.0791	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1164	1.3097	0.9308	1.3600e-003		0.0613	0.0613		0.0564	0.0564	0.0000	123.9955	123.9955	0.0386	0.0000	124.8062
Total	0.1164	1.3097	0.9308	1.3600e-003	0.1908	0.0613	0.2522	0.0791	0.0564	0.1356	0.0000	123.9955	123.9955	0.0386	0.0000	124.8062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Worker	1.4200e-003	2.1200e-003	0.0220	6.0000e-005	4.8300e-003	4.0000e-005	4.8700e-003	1.2800e-003	4.0000e-005	1.3200e-003	0.0000	4.1868	4.1868	2.1000e-004	0.0000	4.1912
Total	1.4200e-003	2.1200e-003	0.0220	6.0000e-005	4.8300e-003	4.0000e-005	4.8700e-003	1.2800e-003	4.0000e-005	1.3200e-003	0.0000	4.1868	4.1868	2.1000e-004	0.0000	4.1912

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0744	0.0000	0.0744	0.0309	0.0000	0.0309	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0333	0.6552	0.8348	1.3600e-003		0.0291	0.0291		0.0291	0.0291	0.0000	123.9954	123.9954	0.0386	0.0000	124.8060
Total	0.0333	0.6552	0.8348	1.3600e-003	0.0744	0.0291	0.1035	0.0309	0.0291	0.0600	0.0000	123.9954	123.9954	0.0386	0.0000	124.8060

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4200e-003	2.1200e-003	0.0220	6.0000e-005	4.8300e-003	4.0000e-005	4.8700e-003	1.2800e-003	4.0000e-005	1.3200e-003	0.0000	4.1868	4.1868	2.1000e-004	0.0000	4.1912
Total	1.4200e-003	2.1200e-003	0.0220	6.0000e-005	4.8300e-003	4.0000e-005	4.8700e-003	1.2800e-003	4.0000e-005	1.3200e-003	0.0000	4.1868	4.1868	2.1000e-004	0.0000	4.1912

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2589	2.2563	1.7007	2.6000e-003		0.1449	0.1449		0.1363	0.1363	0.0000	229.6666	229.6666	0.0562	0.0000	230.8469
Total	0.2589	2.2563	1.7007	2.6000e-003		0.1449	0.1449		0.1363	0.1363	0.0000	229.6666	229.6666	0.0562	0.0000	230.8469

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0347	0.3457	0.4824	9.9000e-004	0.0281	5.4300e-003	0.0335	8.0100e-003	4.9900e-003	0.0130	0.0000	86.9858	86.9858	6.3000e-004	0.0000	86.9990
Worker	0.0501	0.0748	0.7768	2.0900e-003	0.1703	1.3600e-003	0.1716	0.0452	1.2600e-003	0.0465	0.0000	147.6795	147.6795	7.3500e-003	0.0000	147.8339
Total	0.0848	0.4206	1.2592	3.0800e-003	0.1983	6.7900e-003	0.2051	0.0532	6.2500e-003	0.0595	0.0000	234.6653	234.6653	7.9800e-003	0.0000	234.8329

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Off-Road	0.0977	1.3741	1.7632	2.6000e-003		0.0886	0.0886		0.0886	0.0886	0.0000	229.6663	229.6663	0.0562	0.0000	230.8466
Total	0.0977	1.3741	1.7632	2.6000e-003		0.0886	0.0886		0.0886	0.0886	0.0000	229.6663	229.6663	0.0562	0.0000	230.8466

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0347	0.3457	0.4824	9.9000e-004	0.0281	5.4300e-003	0.0335	8.0100e-003	4.9900e-003	0.0130	0.0000	86.9858	86.9858	6.3000e-004	0.0000	86.9990
Worker	0.0501	0.0748	0.7768	2.0900e-003	0.1703	1.3600e-003	0.1716	0.0452	1.2600e-003	0.0465	0.0000	147.6795	147.6795	7.3500e-003	0.0000	147.8339
Total	0.0848	0.4206	1.2592	3.0800e-003	0.1983	6.7900e-003	0.2051	0.0532	6.2500e-003	0.0595	0.0000	234.6653	234.6653	7.9800e-003	0.0000	234.8329

3.4 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3069	2.7359	2.2342	3.5000e-003		0.1677	0.1677		0.1577	0.1577	0.0000	305.5302	305.5302	0.0743	0.0000	307.0913
Total	0.3069	2.7359	2.2342	3.5000e-003		0.1677	0.1677		0.1577	0.1577	0.0000	305.5302	305.5302	0.0743	0.0000	307.0913

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0442	0.4288	0.6270	1.3200e-003	0.0378	6.9300e-003	0.0447	0.0108	6.3700e-003	0.0172	0.0000	114.7450	114.7450	8.3000e-004	0.0000	114.7625
Worker	0.0619	0.0924	0.9583	2.8100e-003	0.2291	1.8000e-003	0.2309	0.0608	1.6600e-003	0.0625	0.0000	191.1205	191.1205	9.2600e-003	0.0000	191.3150
Total	0.1060	0.5212	1.5852	4.1300e-003	0.2668	8.7300e-003	0.2756	0.0716	8.0300e-003	0.0797	0.0000	305.8655	305.8655	0.0101	0.0000	306.0775

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1240	1.8411	2.3654	3.5000e-003		0.1173	0.1173		0.1173	0.1173	0.0000	305.5299	305.5299	0.0743	0.0000	307.0909
Total	0.1240	1.8411	2.3654	3.5000e-003		0.1173	0.1173		0.1173	0.1173	0.0000	305.5299	305.5299	0.0743	0.0000	307.0909

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0442	0.4288	0.6270	1.3200e-003	0.0378	6.9300e-003	0.0447	0.0108	6.3700e-003	0.0172	0.0000	114.7450	114.7450	8.3000e-004	0.0000	114.7625
Worker	0.0619	0.0924	0.9583	2.8100e-003	0.2291	1.8000e-003	0.2309	0.0608	1.6600e-003	0.0625	0.0000	191.1205	191.1205	9.2600e-003	0.0000	191.3150
Total	0.1060	0.5212	1.5852	4.1300e-003	0.2668	8.7300e-003	0.2756	0.0716	8.0300e-003	0.0797	0.0000	305.8655	305.8655	0.0101	0.0000	306.0775

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2766	2.5000	2.2019	3.5100e-003		0.1458	0.1458		0.1371	0.1371	0.0000	302.1514	302.1514	0.0736	0.0000	303.6973
Total	0.2766	2.5000	2.2019	3.5100e-003		0.1458	0.1458		0.1371	0.1371	0.0000	302.1514	302.1514	0.0736	0.0000	303.6973

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0420	0.3756	0.6103	1.3300e-003	0.0379	6.3600e-003	0.0443	0.0108	5.8500e-003	0.0167	0.0000	112.5903	112.5903	8.2000e-004	0.0000	112.6075
Worker	0.0582	0.0859	0.8953	2.8200e-003	0.2300	1.7900e-003	0.2318	0.0611	1.6600e-003	0.0627	0.0000	184.0595	184.0595	8.8100e-003	0.0000	184.2444
Total	0.1002	0.4615	1.5056	4.1500e-003	0.2679	8.1500e-003	0.2760	0.0719	7.5100e-003	0.0794	0.0000	296.6498	296.6498	9.6300e-003	0.0000	296.8519

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1189	1.8412	2.3692	3.5100e-003		0.1161	0.1161		0.1161	0.1161	0.0000	302.1510	302.1510	0.0736	0.0000	303.6969
Total	0.1189	1.8412	2.3692	3.5100e-003		0.1161	0.1161		0.1161	0.1161	0.0000	302.1510	302.1510	0.0736	0.0000	303.6969

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0420	0.3756	0.6103	1.3300e-003	0.0379	6.3600e-003	0.0443	0.0108	5.8500e-003	0.0167	0.0000	112.5903	112.5903	8.2000e-004	0.0000	112.6075
Worker	0.0582	0.0859	0.8953	2.8200e-003	0.2300	1.7900e-003	0.2318	0.0611	1.6600e-003	0.0627	0.0000	184.0595	184.0595	8.8100e-003	0.0000	184.2444

Total	0.1002	0.4615	1.5056	4.1500e-003	0.2679	8.1500e-003	0.2760	0.0719	7.5100e-003	0.0794	0.0000	296.6498	296.6498	9.6300e-003	0.0000	296.8519

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2471	2.2629	2.1582	3.5000e-003		0.1246	0.1246		0.1172	0.1172	0.0000	301.0339	301.0339	0.0725	0.0000	302.5568
Total	0.2471	2.2629	2.1582	3.5000e-003		0.1246	0.1246		0.1172	0.1172	0.0000	301.0339	301.0339	0.0725	0.0000	302.5568

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0404	0.3176	0.5926	1.3200e-003	0.0378	5.7700e-003	0.0435	0.0108	5.3100e-003	0.0161	0.0000	112.1128	112.1128	8.2000e-004	0.0000	112.1301
Worker	0.0548	0.0800	0.8378	2.8100e-003	0.2291	1.7900e-003	0.2309	0.0608	1.6600e-003	0.0625	0.0000	180.5150	180.5150	8.4000e-003	0.0000	180.6913
Total	0.0952	0.3976	1.4304	4.1300e-003	0.2668	7.5600e-003	0.2744	0.0716	6.9700e-003	0.0786	0.0000	292.6278	292.6278	9.2200e-003	0.0000	292.8214

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1133	1.8260	2.3539	3.5000e-003		0.1140	0.1140		0.1140	0.1140	0.0000	301.0335	301.0335	0.0725	0.0000	302.5565
Total	0.1133	1.8260	2.3539	3.5000e-003		0.1140	0.1140		0.1140	0.1140	0.0000	301.0335	301.0335	0.0725	0.0000	302.5565

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0404	0.3176	0.5926	1.3200e-003	0.0378	5.7700e-003	0.0435	0.0108	5.3100e-003	0.0161	0.0000	112.1128	112.1128	8.2000e-004	0.0000	112.1301
Worker	0.0548	0.0800	0.8378	2.8100e-003	0.2291	1.7900e-003	0.2309	0.0608	1.6600e-003	0.0625	0.0000	180.5150	180.5150	8.4000e-003	0.0000	180.6913
Total	0.0952	0.3976	1.4304	4.1300e-003	0.2668	7.5600e-003	0.2744	0.0716	6.9700e-003	0.0786	0.0000	292.6278	292.6278	9.2200e-003	0.0000	292.8214

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.1155	1.0565	1.1103	1.8200e-003		0.0548	0.0548		0.0516	0.0516	0.0000	156.9203	156.9203	0.0375	0.0000	157.7086
Total	0.1155	1.0565	1.1103	1.8200e-003		0.0548	0.0548		0.0516	0.0516	0.0000	156.9203	156.9203	0.0375	0.0000	157.7086

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0206	0.1502	0.3012	6.9000e-004	0.0197	2.9700e-003	0.0227	5.6200e-003	2.7400e-003	8.3500e-003	0.0000	58.3662	58.3662	4.4000e-004	0.0000	58.3754
Worker	0.0270	0.0391	0.4105	1.4600e-003	0.1194	9.3000e-004	0.1203	0.0317	8.6000e-004	0.0326	0.0000	92.4991	92.4991	4.1900e-003	0.0000	92.5871
Total	0.0476	0.1893	0.7118	2.1500e-003	0.1390	3.9000e-003	0.1430	0.0373	3.6000e-003	0.0409	0.0000	150.8653	150.8653	4.6300e-003	0.0000	150.9625

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0573	0.9484	1.2250	1.8200e-003		0.0587	0.0587		0.0587	0.0587	0.0000	156.9201	156.9201	0.0375	0.0000	157.7084
Total	0.0573	0.9484	1.2250	1.8200e-003		0.0587	0.0587		0.0587	0.0587	0.0000	156.9201	156.9201	0.0375	0.0000	157.7084

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0206	0.1502	0.3012	6.9000e-004	0.0197	2.9700e-003	0.0227	5.6200e-003	2.7400e-003	8.3500e-003	0.0000	58.3662	58.3662	4.4000e-004	0.0000	58.3754
Worker	0.0270	0.0391	0.4105	1.4600e-003	0.1194	9.3000e-004	0.1203	0.0317	8.6000e-004	0.0326	0.0000	92.4991	92.4991	4.1900e-003	0.0000	92.5871
Total	0.0476	0.1893	0.7118	2.1500e-003	0.1390	3.9000e-003	0.1430	0.0373	3.6000e-003	0.0409	0.0000	150.8653	150.8653	4.6300e-003	0.0000	150.9625

3.5 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3896					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0196	0.1314	0.1215	1.9000e-004		9.8600e-003	9.8600e-003		9.8600e-003	9.8600e-003	0.0000	16.7238	16.7238	1.5900e-003	0.0000	16.7572
Total	0.4091	0.1314	0.1215	1.9000e-004		9.8600e-003	9.8600e-003		9.8600e-003	9.8600e-003	0.0000	16.7238	16.7238	1.5900e-003	0.0000	16.7572

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.7600e-003	0.0101	0.1049	2.8000e-004	0.0230	1.8000e-004	0.0232	6.1100e-003	1.7000e-004	6.2800e-003	0.0000	19.9443	19.9443	9.9000e-004	0.0000	19.9652
Total	6.7600e-003	0.0101	0.1049	2.8000e-004	0.0230	1.8000e-004	0.0232	6.1100e-003	1.7000e-004	6.2800e-003	0.0000	19.9443	19.9443	9.9000e-004	0.0000	19.9652

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3896					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8900e-003	0.0889	0.1200	1.9000e-004		6.2300e-003	6.2300e-003		6.2300e-003	6.2300e-003	0.0000	16.7238	16.7238	1.5900e-003	0.0000	16.7572
Total	0.3935	0.0889	0.1200	1.9000e-004		6.2300e-003	6.2300e-003		6.2300e-003	6.2300e-003	0.0000	16.7238	16.7238	1.5900e-003	0.0000	16.7572

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.7600e-003	0.0101	0.1049	2.8000e-004	0.0230	1.8000e-004	0.0232	6.1100e-003	1.7000e-004	6.2800e-003	0.0000	19.9443	19.9443	9.9000e-004	0.0000	19.9652
Total	6.7600e-003	0.0101	0.1049	2.8000e-004	0.0230	1.8000e-004	0.0232	6.1100e-003	1.7000e-004	6.2800e-003	0.0000	19.9443	19.9443	9.9000e-004	0.0000	19.9652

3.5 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7762					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0348	0.2395	0.2403	3.9000e-004		0.0168	0.0168		0.0168	0.0168	0.0000	33.3200	33.3200	2.8100e-003	0.0000	33.3791
Total	0.8109	0.2395	0.2403	3.9000e-004		0.0168	0.0168		0.0168	0.0168	0.0000	33.3200	33.3200	2.8100e-003	0.0000	33.3791

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0124	0.0185	0.1917	5.6000e-004	0.0458	3.6000e-004	0.0462	0.0122	3.3000e-004	0.0125	0.0000	38.2241	38.2241	1.8500e-003	0.0000	38.2630
Total	0.0124	0.0185	0.1917	5.6000e-004	0.0458	3.6000e-004	0.0462	0.0122	3.3000e-004	0.0125	0.0000	38.2241	38.2241	1.8500e-003	0.0000	38.2630

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7762					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7600e-003	0.1771	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	2.8100e-003	0.0000	33.3790
Total	0.7839	0.1771	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	2.8100e-003	0.0000	33.3790

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0124	0.0185	0.1917	5.6000e-004	0.0458	3.6000e-004	0.0462	0.0122	3.3000e-004	0.0125	0.0000	38.2241	38.2241	1.8500e-003	0.0000	38.2630
Total	0.0124	0.0185	0.1917	5.6000e-004	0.0458	3.6000e-004	0.0462	0.0122	3.3000e-004	0.0125	0.0000	38.2241	38.2241	1.8500e-003	0.0000	38.2630

3.5 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7791					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.2206	0.2399	3.9000e-004		0.0145	0.0145		0.0145	0.0145	0.0000	33.4476	33.4476	2.5900e-003	0.0000	33.5020
Total	0.8109	0.2206	0.2399	3.9000e-004		0.0145	0.0145		0.0145	0.0145	0.0000	33.4476	33.4476	2.5900e-003	0.0000	33.5020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0116	0.0172	0.1791	5.6000e-004	0.0460	3.6000e-004	0.0464	0.0122	3.3000e-004	0.0126	0.0000	36.8119	36.8119	1.7600e-003	0.0000	36.8489
Total	0.0116	0.0172	0.1791	5.6000e-004	0.0460	3.6000e-004	0.0464	0.0122	3.3000e-004	0.0126	0.0000	36.8119	36.8119	1.7600e-003	0.0000	36.8489

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7791					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Off-Road	7.7900e-003	0.1778	0.2401	3.9000e-004		0.0125	0.0125		0.0125	0.0125	0.0000	33.4476	33.4476	2.5900e-003	0.0000	33.5020
Total	0.7869	0.1778	0.2401	3.9000e-004		0.0125	0.0125		0.0125	0.0125	0.0000	33.4476	33.4476	2.5900e-003	0.0000	33.5020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0116	0.0172	0.1791	5.6000e-004	0.0460	3.6000e-004	0.0464	0.0122	3.3000e-004	0.0126	0.0000	36.8119	36.8119	1.7600e-003	0.0000	36.8489
Total	0.0116	0.0172	0.1791	5.6000e-004	0.0460	3.6000e-004	0.0464	0.0122	3.3000e-004	0.0126	0.0000	36.8119	36.8119	1.7600e-003	0.0000	36.8489

3.5 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7762					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0286	0.1993	0.2372	3.9000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	33.3200	33.3200	2.2900e-003	0.0000	33.3680
Total	0.8047	0.1993	0.2372	3.9000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	33.3200	33.3200	2.2900e-003	0.0000	33.3680

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0110	0.0160	0.1676	5.6000e-004	0.0458	3.6000e-004	0.0462	0.0122	3.3000e-004	0.0125	0.0000	36.1030	36.1030	1.6800e-003	0.0000	36.1383
Total	0.0110	0.0160	0.1676	5.6000e-004	0.0458	3.6000e-004	0.0462	0.0122	3.3000e-004	0.0125	0.0000	36.1030	36.1030	1.6800e-003	0.0000	36.1383

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7762					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7600e-003	0.1771	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	2.2900e-003	0.0000	33.3679
Total	0.7839	0.1771	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	2.2900e-003	0.0000	33.3679

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0110	0.0160	0.1676	5.6000e-004	0.0458	3.6000e-004	0.0462	0.0122	3.3000e-004	0.0125	0.0000	36.1030	36.1030	1.6800e-003	0.0000	36.1383
Total	0.0110	0.0160	0.1676	5.6000e-004	0.0458	3.6000e-004	0.0462	0.0122	3.3000e-004	0.0125	0.0000	36.1030	36.1030	1.6800e-003	0.0000	36.1383

3.5 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4044					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0139	0.0958	0.1233	2.0000e-004		5.5600e-003	5.5600e-003		5.5600e-003	5.5600e-003	0.0000	17.3621	17.3621	1.1300e-003	0.0000	17.3859
Total	0.4184	0.0958	0.1233	2.0000e-004		5.5600e-003	5.5600e-003		5.5600e-003	5.5600e-003	0.0000	17.3621	17.3621	1.1300e-003	0.0000	17.3859

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Worker	5.4100e-003	7.8200e-003	0.0821	2.9000e-004	0.0239	1.9000e-004	0.0241	6.3400e-003	1.7000e-004	6.5100e-003	0.0000	18.4998	18.4998	8.4000e-004	0.0000	18.5174
Total	5.4100e-003	7.8200e-003	0.0821	2.9000e-004	0.0239	1.9000e-004	0.0241	6.3400e-003	1.7000e-004	6.5100e-003	0.0000	18.4998	18.4998	8.4000e-004	0.0000	18.5174

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4044					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.0400e-003	0.0923	0.1246	2.0000e-004		6.4700e-003	6.4700e-003		6.4700e-003	6.4700e-003	0.0000	17.3621	17.3621	1.1300e-003	0.0000	17.3858
Total	0.4085	0.0923	0.1246	2.0000e-004		6.4700e-003	6.4700e-003		6.4700e-003	6.4700e-003	0.0000	17.3621	17.3621	1.1300e-003	0.0000	17.3858

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.4100e-003	7.8200e-003	0.0821	2.9000e-004	0.0239	1.9000e-004	0.0241	6.3400e-003	1.7000e-004	6.5100e-003	0.0000	18.4998	18.4998	8.4000e-004	0.0000	18.5174
Total	5.4100e-003	7.8200e-003	0.0821	2.9000e-004	0.0239	1.9000e-004	0.0241	6.3400e-003	1.7000e-004	6.5100e-003	0.0000	18.4998	18.4998	8.4000e-004	0.0000	18.5174

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0330	0.3328	0.4356	6.8000e-004		0.0170	0.0170		0.0157	0.0157	0.0000	59.7843	59.7843	0.0193	0.0000	60.1904
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0330	0.3328	0.4356	6.8000e-004		0.0170	0.0170		0.0157	0.0157	0.0000	59.7843	59.7843	0.0193	0.0000	60.1904

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1400e-003	1.6400e-003	0.0173	6.0000e-005	5.0200e-003	4.0000e-005	5.0600e-003	1.3300e-003	4.0000e-005	1.3700e-003	0.0000	3.8896	3.8896	1.8000e-004	0.0000	3.8933
Total	1.1400e-003	1.6400e-003	0.0173	6.0000e-005	5.0200e-003	4.0000e-005	5.0600e-003	1.3300e-003	4.0000e-005	1.3700e-003	0.0000	3.8896	3.8896	1.8000e-004	0.0000	3.8933

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Off-Road	0.0167	0.3375	0.5163	6.8000e-004		0.0182	0.0182		0.0182	0.0182	0.0000	59.7843	59.7843	0.0193	0.0000	60.1903
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0167	0.3375	0.5163	6.8000e-004		0.0182	0.0182		0.0182	0.0182	0.0000	59.7843	59.7843	0.0193	0.0000	60.1903

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1400e-003	1.6400e-003	0.0173	6.0000e-005	5.0200e-003	4.0000e-005	5.0600e-003	1.3300e-003	4.0000e-005	1.3700e-003	0.0000	3.8896	3.8896	1.8000e-004	0.0000	3.8933
Total	1.1400e-003	1.6400e-003	0.0173	6.0000e-005	5.0200e-003	4.0000e-005	5.0600e-003	1.3300e-003	4.0000e-005	1.3700e-003	0.0000	3.8896	3.8896	1.8000e-004	0.0000	3.8933

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.505577	0.059791	0.182076	0.140653	0.043205	0.006799	0.016326	0.033954	0.001968	0.002512	0.004300	0.000570	0.002269

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.0265	0.0529	4.5853	2.4000e-004		0.0253	0.0253		0.0253	0.0253	0.0000	7.4825	7.4825	7.2200e-003	0.0000	7.6342
Unmitigated	3.0265	0.0529	4.5853	2.4000e-004		0.0253	0.0253		0.0253	0.0253	0.0000	7.4825	7.4825	7.2200e-003	0.0000	7.6342

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.8879					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1386	0.0529	4.5853	2.4000e-004		0.0253	0.0253		0.0253	0.0253	0.0000	7.4825	7.4825	7.2200e-003	0.0000	7.6342
Total	3.0265	0.0529	4.5853	2.4000e-004		0.0253	0.0253		0.0253	0.0253	0.0000	7.4825	7.4825	7.2200e-003	0.0000	7.6342

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.8879					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1386	0.0529	4.5853	2.4000e-004		0.0253	0.0253		0.0253	0.0253	0.0000	7.4825	7.4825	7.2200e-003	0.0000	7.6342
Total	3.0265	0.0529	4.5853	2.4000e-004		0.0253	0.0253		0.0253	0.0253	0.0000	7.4825	7.4825	7.2200e-003	0.0000	7.6342

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000

Single Family Housing	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Rancho San Geronio Specific Plan - Phase 4 - Construction

South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	3.30	Acre	3.30	0.00	0
Parking Lot	10.00	Acre	10.00	435,600.00	0
City Park	25.00	Acre	25.00	50,000.00	0
Apartments Low Rise	488.00	Dwelling Unit	30.50	488,000.00	1396
Retirement Community	754.00	Dwelling Unit	150.80	754,000.00	2156
Single Family Housing	44.00	Dwelling Unit	14.29	79,200.00	126
Regional Shopping Center	101.60	1000sqft	2.33	101,604.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - No buildings in the community parks (represented by Other Non-Asphalt Surfaces), assume one small building in community park and a 10-acre parking lot for the shopping center.

Construction Phase - Construction will be completed by 2025, assume architectural coatings applied during building construction.

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Trips and VMT -

Grading -

Architectural Coating -

Vehicle Trips - No operations

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - no operations

Consumer Products - no operations

Area Coating - no operations

Landscape Equipment - no operations

Energy Use - no operations

Water And Wastewater - no operations

Solid Waste - no operations

Construction Off-road Equipment Mitigation - Dust control measures as required by SCAQMD Rule 403.

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	330.00	888.00
tblConstructionPhase	NumDays	4,650.00	1,171.00
tblConstructionPhase	NumDays	465.00	117.00
tblConstructionPhase	NumDays	330.00	83.00
tblConstructionPhase	NumDays	180.00	45.00
tblConstructionPhase	PhaseEndDate	1/17/2029	8/22/2025
tblConstructionPhase	PhaseStartDate	8/23/2025	3/30/2022
tblEnergyUse	LightingElect	810.36	0.00
tblEnergyUse	LightingElect	0.88	0.00
tblEnergyUse	LightingElect	7.62	0.00
tblEnergyUse	LightingElect	1,001.10	0.00
tblEnergyUse	LightingElect	1,608.84	0.00
tblEnergyUse	NT24E	2,630.88	0.00
tblEnergyUse	NT24E	2.44	0.00
tblEnergyUse	NT24E	3,125.85	0.00
tblEnergyUse	NT24E	5,089.81	0.00

tblEnergyUse	NT24NG	2,498.00	0.00
tblEnergyUse	NT24NG	0.30	0.00
tblEnergyUse	NT24NG	2,951.00	0.00
tblEnergyUse	NT24NG	5,950.14	0.00
tblEnergyUse	T24E	636.58	0.00
tblEnergyUse	T24E	5.60	0.00
tblEnergyUse	T24E	749.55	0.00
tblEnergyUse	T24E	980.99	0.00
tblEnergyUse	T24NG	11,224.20	0.00
tblEnergyUse	T24NG	2.02	0.00
tblEnergyUse	T24NG	17,654.53	0.00
tblEnergyUse	T24NG	27,816.78	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	414.80	0.00
tblFireplaces	NumberGas	640.90	0.00
tblFireplaces	NumberGas	37.40	0.00
tblFireplaces	NumberNoFireplace	48.80	0.00
tblFireplaces	NumberNoFireplace	75.40	0.00
tblFireplaces	NumberNoFireplace	4.40	0.00
tblFireplaces	NumberWood	24.40	0.00
tblFireplaces	NumberWood	37.70	0.00
tblFireplaces	NumberWood	2.20	0.00

tblLandUse	LandUseSquareFeet	143,748.00	0.00
tblLandUse	LandUseSquareFeet	1,089,000.00	50,000.00
tblLandUse	LandUseSquareFeet	101,600.00	101,604.00
tblProjectCharacteristics	OperationalYear	2014	2025
tblSolidWaste	SolidWasteGenerationRate	224.48	0.00
tblSolidWaste	SolidWasteGenerationRate	2.15	0.00
tblSolidWaste	SolidWasteGenerationRate	106.68	0.00
tblSolidWaste	SolidWasteGenerationRate	346.84	0.00
tblSolidWaste	SolidWasteGenerationRate	51.66	0.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	1.59	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	ST_TR	2.81	0.00
tblVehicleTrips	ST_TR	10.08	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	1.59	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	SU_TR	2.81	0.00
tblVehicleTrips	SU_TR	8.77	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	1.59	0.00
tblVehicleTrips	WD_TR	42.94	0.00
tblVehicleTrips	WD_TR	2.81	0.00
tblVehicleTrips	WD_TR	9.57	0.00
tblWater	IndoorWaterUseRate	31,795,164.50	0.00
tblWater	IndoorWaterUseRate	7,525,768.18	0.00
tblWater	IndoorWaterUseRate	49,126,135.32	0.00
tblWater	IndoorWaterUseRate	2,866,777.13	0.00
tblWater	OutdoorWaterUseRate	20,044,777.62	0.00
tblWater	OutdoorWaterUseRate	29,787,033.74	0.00

tblWater	OutdoorWaterUseRate	4,612,567.60	0.00
tblWater	OutdoorWaterUseRate	30,970,824.44	0.00
tblWater	OutdoorWaterUseRate	1,807,316.02	0.00
tblWoodstoves	NumberCatalytic	24.40	0.00
tblWoodstoves	NumberCatalytic	37.70	0.00
tblWoodstoves	NumberCatalytic	2.20	0.00
tblWoodstoves	NumberNoncatalytic	24.40	0.00
tblWoodstoves	NumberNoncatalytic	37.70	0.00
tblWoodstoves	NumberNoncatalytic	2.20	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.6083	49.4565	39.3396	0.0645	18.2675	2.2637	20.1999	9.9840	2.0826	11.7619	0.0000	6,181.0764	6,181.0764	1.9426	0.0000	6,221.8704
2021	6.5154	44.5606	84.7643	0.2396	14.2839	2.0157	15.5564	3.8169	1.8545	5.5103	0.0000	18,758.5969	18,758.5969	1.9426	0.0000	18,799.3922
2022	22.8617	31.8739	92.3269	0.2749	16.8436	1.2222	18.0658	4.4957	1.1487	5.6444	0.0000	21,102.4393	21,102.4393	1.2458	0.0000	21,128.6011
2023	22.4206	28.1559	88.3077	0.2747	16.8436	1.0994	17.9431	4.4957	1.0327	5.5284	0.0000	20,873.6507	20,873.6507	1.2138	0.0000	20,899.1405

2024	22.1256	26.8759	85.3910	0.2758	16.8437	1.0047	17.8484	4.4957	0.9428	5.4385	0.0000	20,772.9190	20,772.9190	1.1947	0.0000	20,798.0073
2025	21.8415	25.5872	82.7529	0.2758	16.8437	0.9112	17.7549	4.4958	0.8542	5.3500	0.0000	20,607.4057	20,607.4057	1.1737	0.0000	20,632.0537
Total	100.3730	206.5101	472.8824	1.4054	99.9260	8.5169	107.3684	31.7839	7.9155	39.2335	0.0000	108,296.0880	108,296.0880	8.7132	0.0000	108,479.0652

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.8146	3.3504	35.6926	0.0645	7.2470	0.1026	7.3120	3.9263	0.1024	3.9912	0.0000	6,181.0764	6,181.0764	1.9426	0.0000	6,221.8704
2021	5.2076	18.2472	85.8597	0.2396	14.2839	0.4294	14.7134	3.8169	0.4048	4.2216	0.0000	18,758.5969	18,758.5969	1.9426	0.0000	18,799.3922
2022	21.5471	17.7456	93.6282	0.2749	16.8436	0.4403	17.2839	4.4957	0.4144	4.9101	0.0000	21,102.4393	21,102.4393	1.2458	0.0000	21,128.6011
2023	21.2297	15.3145	89.7118	0.2747	16.8436	0.4287	17.2723	4.4957	0.4030	4.8988	0.0000	20,873.6507	20,873.6507	1.2138	0.0000	20,899.1405
2024	21.0278	15.0142	86.8579	0.2758	16.8437	0.4223	17.2660	4.4957	0.3966	4.8923	0.0000	20,772.9190	20,772.9190	1.1947	0.0000	20,798.0073
2025	20.8413	14.7278	84.2902	0.2758	16.8437	0.4172	17.2609	4.4958	0.3914	4.8871	0.0000	20,607.4057	20,607.4057	1.1737	0.0000	20,632.0537
Total	90.6680	84.3996	476.0404	1.4054	88.9056	2.2405	91.1085	25.7262	2.1126	27.8011	0.0000	108,296.0880	108,296.0880	8.7132	0.0000	108,479.0652

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	9.67	59.13	-0.67	0.00	11.03	73.69	15.14	19.06	73.31	29.14	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	40.9702	1.2211	106.0104	5.6000e-003		0.5882	0.5882		0.5882	0.5882	0.0000	191.0689	191.0689	0.1830	0.0000	194.9123
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	40.9702	1.2211	106.0104	5.6000e-003	0.0000	0.5882	0.5882	0.0000	0.5882	0.5882	0.0000	191.0689	191.0689	0.1830	0.0000	194.9123

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	40.9702	1.2211	106.0104	5.6000e-003		0.5882	0.5882		0.5882	0.5882	0.0000	191.0689	191.0689	0.1830	0.0000	194.9123
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	40.9702	1.2211	106.0104	5.6000e-003	0.0000	0.5882	0.5882	0.0000	0.5882	0.5882	0.0000	191.0689	191.0689	0.1830	0.0000	194.9123

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/15/2020	9/15/2020	5	45	
2	Grading	Grading	9/16/2020	2/25/2021	5	117	
3	Building Construction	Building Construction	2/26/2021	8/22/2025	5	1171	
4	Architectural Coating	Architectural Coating	3/30/2022	8/22/2025	5	888	
5	Paving	Paving	8/23/2025	12/17/2025	5	83	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 292.5

Acres of Paving: 0

Residential Indoor: 2,675,430; Residential Outdoor: 891,810; Non-Residential Indoor: 247,008; Non-Residential Outdoor: 82,336

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36

Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,147.00	234.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	229.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.7250	38.8640	32.9264	0.0391		1.9309	1.9309		1.7764	1.7764		3,792.2816	3,792.2816	1.2265		3,818.0381
Total	3.7250	38.8640	32.9264	0.0391	18.0663	1.9309	19.9971	9.9307	1.7764	11.7071		3,792.2816	3,792.2816	1.2265		3,818.0381

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0524	0.0653	0.8225	2.5400e-003	0.2012	1.5400e-003	0.2027	0.0534	1.4300e-003	0.0548		183.0308	183.0308	8.3400e-003		183.2058
Total	0.0524	0.0653	0.8225	2.5400e-003	0.2012	1.5400e-003	0.2027	0.0534	1.4300e-003	0.0548		183.0308	183.0308	8.3400e-003		183.2058

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.4757	2.0615	21.2415	0.0391		0.0634	0.0634		0.0634	0.0634	0.0000	3,792.2816	3,792.2816	1.2265		3,818.0381
Total	0.4757	2.0615	21.2415	0.0391	7.0458	0.0634	7.1093	3.8730	0.0634	3.9364	0.0000	3,792.2816	3,792.2816	1.2265		3,818.0381

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0524	0.0653	0.8225	2.5400e-003	0.2012	1.5400e-003	0.2027	0.0534	1.4300e-003	0.0548	183.0308	183.0308	8.3400e-003	183.2058		
Total	0.0524	0.0653	0.8225	2.5400e-003	0.2012	1.5400e-003	0.2027	0.0534	1.4300e-003	0.0548		183.0308	183.0308	8.3400e-003		183.2058

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.5501	49.3839	38.4257	0.0617		2.2619	2.2619		2.0810	2.0810		5,977.7088	5,977.7088	1.9333		6,018.3084
Total	4.5501	49.3839	38.4257	0.0617	8.6733	2.2619	10.9353	3.5965	2.0810	5.6775		5,977.7088	5,977.7088	1.9333		6,018.3084

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.0582	0.0726	0.9139	2.8200e-003	0.2236	1.7100e-003	0.2253	0.0593	1.5800e-003	0.0609		203.3675	203.3675	9.2600e-003		203.5620
Total	0.0582	0.0726	0.9139	2.8200e-003	0.2236	1.7100e-003	0.2253	0.0593	1.5800e-003	0.0609		203.3675	203.3675	9.2600e-003		203.5620

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000			0.0000
Off-Road	0.7564	3.2778	34.7787	0.0617		0.1009	0.1009		0.1009	0.1009	0.0000	5,977.7088	5,977.7088	1.9333		6,018.3084
Total	0.7564	3.2778	34.7787	0.0617	3.3826	0.1009	3.4835	1.4026	0.1009	1.5035	0.0000	5,977.7088	5,977.7088	1.9333		6,018.3084

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0582	0.0726	0.9139	2.8200e-003	0.2236	1.7100e-003	0.2253	0.0593	1.5800e-003	0.0609		203.3675	203.3675	9.2600e-003		203.5620
Total	0.0582	0.0726	0.9139	2.8200e-003	0.2236	1.7100e-003	0.2253	0.0593	1.5800e-003	0.0609		203.3675	203.3675	9.2600e-003		203.5620

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.1944	44.4928	36.7579	0.0617		2.0140	2.0140		1.8529	1.8529		5,979.1158	5,979.1158	1.9338		6,019.7249
Total	4.1944	44.4928	36.7579	0.0617	8.6733	2.0140	10.6874	3.5965	1.8529	5.4494		5,979.1158	5,979.1158	1.9338		6,019.7249

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0551	0.0679	0.8598	2.8300e-003	0.2236	1.7100e-003	0.2253	0.0593	1.5900e-003	0.0609		200.2461	200.2461	8.8700e-003		200.4323
Total	0.0551	0.0679	0.8598	2.8300e-003	0.2236	1.7100e-003	0.2253	0.0593	1.5900e-003	0.0609		200.2461	200.2461	8.8700e-003		200.4323

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Fugitive Dust					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000			0.0000
Off-Road	0.7564	3.2778	34.7787	0.0617		0.1009	0.1009		0.1009	0.1009	0.0000	5,979.1157	5,979.1157	1.9338		6,019.7249
Total	0.7564	3.2778	34.7787	0.0617	3.3826	0.1009	3.4835	1.4026	0.1009	1.5035	0.0000	5,979.1157	5,979.1157	1.9338		6,019.7249

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0551	0.0679	0.8598	2.8300e-003	0.2236	1.7100e-003	0.2253	0.0593	1.5900e-003	0.0609		200.2461	200.2461	8.8700e-003		200.4323
Total	0.0551	0.0679	0.8598	2.8300e-003	0.2236	1.7100e-003	0.2253	0.0593	1.5900e-003	0.0609		200.2461	200.2461	8.8700e-003		200.4323

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979		2,542.7817	2,542.7817	0.6126		2,555.6462
Total	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979		2,542.7817	2,542.7817	0.6126		2,555.6462

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.4618	11.6216	18.9176	0.0505	1.4632	0.2195	1.6827	0.4168	0.2020	0.6187		4,731.7028	4,731.7028	0.0341		4,732.4180
Worker	3.1605	3.8918	49.3091	0.1623	12.8208	0.0981	12.9189	3.4001	0.0910	3.4911		11,484.1124	11,484.1124	0.5085		11,494.7912
Total	4.6223	15.5134	68.2267	0.2128	14.2839	0.3176	14.6015	3.8169	0.2930	4.1098		16,215.8151	16,215.8151	0.5426		16,227.2092

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5853	2.7338	17.6330	0.0268		0.1118	0.1118		0.1118	0.1118	0.0000	2,542.7817	2,542.7817	0.6126		2,555.6462
Total	0.5853	2.7338	17.6330	0.0268		0.1118	0.1118		0.1118	0.1118	0.0000	2,542.7817	2,542.7817	0.6126		2,555.6462

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.4618	11.6216	18.9176	0.0505	1.4632	0.2195	1.6827	0.4168	0.2020	0.6187		4,731.7028	4,731.7028	0.0341		4,732.4180
Worker	3.1605	3.8918	49.3091	0.1623	12.8208	0.0981	12.9189	3.4001	0.0910	3.4911		11,484.1124	11,484.1124	0.5085		11,494.7912
Total	4.6223	15.5134	68.2267	0.2128	14.2839	0.3176	14.6015	3.8169	0.2930	4.1098		16,215.8151	16,215.8151	0.5426		16,227.2092

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581		2,543.7497	2,543.7497	0.6085		2,556.5286
Total	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581		2,543.7497	2,543.7497	0.6085		2,556.5286

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.4324	10.5484	18.4801	0.0505	1.4632	0.2171	1.6803	0.4168	0.1997	0.6165		4,727.4386	4,727.4386	0.0348		4,728.1694
Worker	2.9932	3.6516	46.4349	0.1623	12.8208	0.0980	12.9188	3.4001	0.0909	3.4911		11,294.7849	11,294.7849	0.4869		11,305.0106
Total	4.4256	14.2000	64.9150	0.2128	14.2839	0.3151	14.5991	3.8169	0.2907	4.1076		16,022.2235	16,022.2235	0.5217		16,033.1799

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5594	2.6878	17.6100	0.0268		0.1016	0.1016		0.1016	0.1016	0.0000	2,543.7497	2,543.7497	0.6085		2,556.5286
Total	0.5594	2.6878	17.6100	0.0268		0.1016	0.1016		0.1016	0.1016	0.0000	2,543.7497	2,543.7497	0.6085		2,556.5286

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.4324	10.5484	18.4801	0.0505	1.4632	0.2171	1.6803	0.4168	0.1997	0.6165		4,727.4386	4,727.4386	0.0348		4,728.1694
Worker	2.9932	3.6516	46.4349	0.1623	12.8208	0.0980	12.9188	3.4001	0.0909	3.4911		11,294.7849	11,294.7849	0.4869		11,305.0106

Total	4.4256	14.2000	64.9150	0.2128	14.2839	0.3151	14.5991	3.8169	0.2907	4.1076		16,022.22 35	16,022.223 5	0.5217		16,033.17 99

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557		2,544.626 2	2,544.6262	0.6044		2,557.319 1
Total	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557		2,544.626 2	2,544.6262	0.6044		2,557.319 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.3264	8.4156	17.7287	0.0502	1.4632	0.2144	1.6775	0.4168	0.1972	0.6140		4,704.796 1	4,704.7961	0.0313		4,705.453 0
Worker	2.8355	3.4383	43.8116	0.1622	12.8208	0.0980	12.9187	3.4001	0.0909	3.4910		11,122.21 59	11,122.215 9	0.4679		11,132.04 07
Total	4.1619	11.8538	61.5403	0.2125	14.2839	0.3123	14.5963	3.8169	0.2881	4.1050		15,827.01 20	15,827.012 0	0.4991		15,837.49 37

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5371	2.6455	17.5921	0.0268		0.0928	0.0928		0.0928	0.0928	0.0000	2,544.6262	2,544.6262	0.6044		2,557.3191
Total	0.5371	2.6455	17.5921	0.0268		0.0928	0.0928		0.0928	0.0928	0.0000	2,544.6262	2,544.6262	0.6044		2,557.3191

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.3264	8.4156	17.7287	0.0502	1.4632	0.2144	1.6775	0.4168	0.1972	0.6140		4,704.7961	4,704.7961	0.0313		4,705.4530
Worker	2.8355	3.4383	43.8116	0.1622	12.8208	0.0980	12.9187	3.4001	0.0909	3.4910		11,122.2159	11,122.2159	0.4679		11,132.0407
Total	4.1619	11.8538	61.5403	0.2125	14.2839	0.3123	14.5963	3.8169	0.2881	4.1050		15,827.0120	15,827.0120	0.4991		15,837.4937

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744		2,545.1154	2,545.1154	0.6009		2,557.7349
Total	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744		2,545.1154	2,545.1154	0.6009		2,557.7349

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.3072	8.3724	17.3918	0.0504	1.4632	0.2144	1.6777	0.4168	0.1973	0.6141		4,717.4847	4,717.4847	0.0317		4,718.1512
Worker	2.6987	3.2571	41.7253	0.1631	12.8208	0.0990	12.9198	3.4001	0.0919	3.4920		11,027.2638	11,027.2638	0.4553		11,036.8244
Total	4.0059	11.6295	59.1171	0.2135	14.2840	0.3135	14.5974	3.8169	0.2892	4.1061		15,744.7484	15,744.7484	0.4870		15,754.9756

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5185	2.6057	17.5779	0.0268		0.0852	0.0852		0.0852	0.0852	0.0000	2,545.1154	2,545.1154	0.6009		2,557.7349
Total	0.5185	2.6057	17.5779	0.0268		0.0852	0.0852		0.0852	0.0852	0.0000	2,545.1154	2,545.1154	0.6009		2,557.7349

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.3072	8.3724	17.3918	0.0504	1.4632	0.2144	1.6777	0.4168	0.1973	0.6141		4,717.4847	4,717.4847	0.0317		4,718.1512
Worker	2.6987	3.2571	41.7253	0.1631	12.8208	0.0990	12.9198	3.4001	0.0919	3.4920		11,027.2638	11,027.2638	0.4553		11,036.8244
Total	4.0059	11.6295	59.1171	0.2135	14.2840	0.3135	14.5974	3.8169	0.2892	4.1061		15,744.7484	15,744.7484	0.4870		15,754.9756

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.2846	8.3150	17.0974	0.0504	1.4633	0.2155	1.6788	0.4168	0.1983	0.6151		4,717.6067	4,717.6067	0.0319		4,718.2759
Worker	2.5755	3.0984	39.8403	0.1631	12.8208	0.0993	12.9201	3.4001	0.0922	3.4923		10,888.5480	10,888.5480	0.4409		10,897.8077
Total	3.8601	11.4135	56.9378	0.2134	14.2840	0.3148	14.5989	3.8169	0.2904	4.1074		15,606.1548	15,606.1548	0.4728		15,616.0836

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5025	2.5670	17.5658	0.0269		0.0786	0.0786		0.0786	0.0786	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	0.5025	2.5670	17.5658	0.0269		0.0786	0.0786		0.0786	0.0786	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	1.2846	8.3150	17.0974	0.0504	1.4633	0.2155	1.6788	0.4168	0.1983	0.6151		4,717.6067	4,717.6067	0.0319		4,718.2759
Worker	2.5755	3.0984	39.8403	0.1631	12.8208	0.0993	12.9201	3.4001	0.0922	3.4923		10,888.5480	10,888.5480	0.4409		10,897.8077
Total	3.8601	11.4135	56.9378	0.2134	14.2840	0.3148	14.5989	3.8169	0.2904	4.1074		15,606.1548	15,606.1548	0.4728		15,616.0836

3.5 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.9348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.8329
Total	16.1394	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.8329

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.5976	0.7291	9.2708	0.0324	2.5597	0.0196	2.5793	0.6788	0.0182	0.6970		2,255.0181	2,255.0181	0.0972		2,257.0597
Total	0.5976	0.7291	9.2708	0.0324	2.5597	0.0196	2.5793	0.6788	0.0182	0.6970		2,255.0181	2,255.0181	0.0972		2,257.0597

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.9348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.8329
Total	15.9645	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.8329

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.5976	0.7291	9.2708	0.0324	2.5597	0.0196	2.5793	0.6788	0.0182	0.6970		2,255.0181	2,255.0181	0.0972		2,257.0597
Total	0.5976	0.7291	9.2708	0.0324	2.5597	0.0196	2.5793	0.6788	0.0182	0.6970		2,255.0181	2,255.0181	0.0972		2,257.0597

3.5 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.9348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8017
Total	16.1265	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.5661	0.6865	8.7470	0.0324	2.5597	0.0196	2.5792	0.6788	0.0182	0.6970		2,220.5645	2,220.5645	0.0934		2,222.5260
Total	0.5661	0.6865	8.7470	0.0324	2.5597	0.0196	2.5792	0.6788	0.0182	0.6970		2,220.5645	2,220.5645	0.0934		2,222.5260

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.9348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0168		281.8017
Total	15.9645	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0168		281.8017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.5661	0.6865	8.7470	0.0324	2.5597	0.0196	2.5792	0.6788	0.0182	0.6970		2,220.5645	2,220.5645	0.0934		2,222.5260
Total	0.5661	0.6865	8.7470	0.0324	2.5597	0.0196	2.5792	0.6788	0.0182	0.6970		2,220.5645	2,220.5645	0.0934		2,222.5260

3.5 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.9348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.7809
Total	16.1156	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.7809

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.5388	0.6503	8.3305	0.0326	2.5597	0.0198	2.5795	0.6788	0.0183	0.6972		2,201.6072	2,201.6072	0.0909		2,203.5159
Total	0.5388	0.6503	8.3305	0.0326	2.5597	0.0198	2.5795	0.6788	0.0183	0.6972		2,201.6072	2,201.6072	0.0909		2,203.5159

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.9348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0159		281.7809
Total	15.9645	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0159		281.7809

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.5388	0.6503	8.3305	0.0326	2.5597	0.0198	2.5795	0.6788	0.0183	0.6972	2,201.607 2	2,201.6072	0.0909		2,203.515 9
Total	0.5388	0.6503	8.3305	0.0326	2.5597	0.0198	2.5795	0.6788	0.0183	0.6972	2,201.607 2	2,201.6072	0.0909		2,203.515 9

3.5 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.9348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705
Total	16.1057	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.5142	0.6186	7.9542	0.0326	2.5597	0.0198	2.5795	0.6788	0.0184	0.6972		2,173.9124	2,173.9124	0.0880		2,175.7611
Total	0.5142	0.6186	7.9542	0.0326	2.5597	0.0198	2.5795	0.6788	0.0184	0.6972		2,173.9124	2,173.9124	0.0880		2,175.7611

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.9348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.7705
Total	15.9645	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.7705

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.5142	0.6186	7.9542	0.0326	2.5597	0.0198	2.5795	0.6788	0.0184	0.6972		2,173.9124	2,173.9124	0.0880		2,175.7611
Total	0.5142	0.6186	7.9542	0.0326	2.5597	0.0198	2.5795	0.6788	0.0184	0.6972		2,173.9124	2,173.9124	0.0880		2,175.7611

3.6 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8973	8.4215	14.2781	0.0223		0.4109	0.4109		0.3781	0.3781		2,159.7967	2,159.7967	0.6985		2,174.4656
Paving	0.3157					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2130	8.4215	14.2781	0.0223		0.4109	0.4109		0.3781	0.3781		2,159.7967	2,159.7967	0.6985		2,174.4656

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0337	0.0405	0.5210	2.1300e-003	0.1677	1.3000e-003	0.1690	0.0445	1.2100e-003	0.0457		142.3960	142.3960	5.7700e-003		142.5171
Total	0.0337	0.0405	0.5210	2.1300e-003	0.1677	1.3000e-003	0.1690	0.0445	1.2100e-003	0.0457		142.3960	142.3960	5.7700e-003		142.5171

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Off-Road	0.2745	1.1895	16.9276	0.0223		0.0366	0.0366		0.0366	0.0366	0.0000	2,159.7967	2,159.7967	0.6985		2,174.4656
Paving	0.3157					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5902	1.1895	16.9276	0.0223		0.0366	0.0366		0.0366	0.0366	0.0000	2,159.7967	2,159.7967	0.6985		2,174.4656

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0337	0.0405	0.5210	2.1300e-003	0.1677	1.3000e-003	0.1690	0.0445	1.2100e-003	0.0457		142.3960	142.3960	5.7700e-003		142.5171
Total	0.0337	0.0405	0.5210	2.1300e-003	0.1677	1.3000e-003	0.1690	0.0445	1.2100e-003	0.0457		142.3960	142.3960	5.7700e-003		142.5171

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
Retirement Community	0.00	0.00	0.00		
Single Family Housing	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11
Retirement Community	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.500116	0.060136	0.182997	0.141937	0.043982	0.006974	0.016541	0.035595	0.002005	0.002529	0.004193	0.000558	0.002437

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Retirement Community	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Retirement Community	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Mitigated	40.9702	1.2211	106.0104	5.6000e-003		0.5882	0.5882		0.5882	0.5882	0.0000	191.0689	191.0689	0.1830	0.0000	194.9123
Unmitigated	40.9702	1.2211	106.0104	5.6000e-003		0.5882	0.5882		0.5882	0.5882	0.0000	191.0689	191.0689	0.1830	0.0000	194.9123

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	37.7864					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.1838	1.2211	106.0104	5.6000e-003		0.5882	0.5882		0.5882	0.5882		191.0689	191.0689	0.1830		194.9123
Total	40.9702	1.2211	106.0104	5.6000e-003		0.5882	0.5882		0.5882	0.5882	0.0000	191.0689	191.0689	0.1830	0.0000	194.9123

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	37.7864					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Landscaping	3.1838	1.2211	106.0104	5.6000e-003		0.5882	0.5882		0.5882	0.5882		191.0689	191.0689	0.1830		194.9123
Total	40.9702	1.2211	106.0104	5.6000e-003		0.5882	0.5882		0.5882	0.5882	0.0000	191.0689	191.0689	0.1830	0.0000	194.9123

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Rancho San Gorgonio Specific Plan - Phase 4 - Construction

South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	3.30	Acre	3.30	0.00	0
Parking Lot	10.00	Acre	10.00	435,600.00	0
City Park	25.00	Acre	25.00	50,000.00	0
Apartments Low Rise	488.00	Dwelling Unit	30.50	488,000.00	1396
Retirement Community	754.00	Dwelling Unit	150.80	754,000.00	2156
Single Family Housing	44.00	Dwelling Unit	14.29	79,200.00	126
Regional Shopping Center	101.60	1000sqft	2.33	101,604.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - No buildings in the community parks (represented by Other Non-Asphalt Surfaces), assume one small building in community park and a 10-acre parking lot for the shopping center.

Construction Phase - Construction will be completed by 2025, assume architectural coatings applied during building construction.

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Trips and VMT -

Grading -

Architectural Coating -

Vehicle Trips - No operations

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - no operations

Consumer Products - no operations

Area Coating - no operations

Landscape Equipment - no operations

Energy Use - no operations

Water And Wastewater - no operations

Solid Waste - no operations

Construction Off-road Equipment Mitigation - Dust control measures as required by SCAQMD Rule 403.

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	330.00	888.00
tblConstructionPhase	NumDays	4,650.00	1,171.00
tblConstructionPhase	NumDays	465.00	117.00
tblConstructionPhase	NumDays	330.00	83.00
tblConstructionPhase	NumDays	180.00	45.00
tblConstructionPhase	PhaseEndDate	1/17/2029	8/22/2025
tblConstructionPhase	PhaseStartDate	8/23/2025	3/30/2022
tblEnergyUse	LightingElect	810.36	0.00
tblEnergyUse	LightingElect	0.88	0.00
tblEnergyUse	LightingElect	7.62	0.00
tblEnergyUse	LightingElect	1,001.10	0.00
tblEnergyUse	LightingElect	1,608.84	0.00
tblEnergyUse	NT24E	2,630.88	0.00
tblEnergyUse	NT24E	2.44	0.00
tblEnergyUse	NT24E	3,125.85	0.00
tblEnergyUse	NT24E	5,089.81	0.00

tblEnergyUse	NT24NG	2,498.00	0.00
tblEnergyUse	NT24NG	0.30	0.00
tblEnergyUse	NT24NG	2,951.00	0.00
tblEnergyUse	NT24NG	5,950.14	0.00
tblEnergyUse	T24E	636.58	0.00
tblEnergyUse	T24E	5.60	0.00
tblEnergyUse	T24E	749.55	0.00
tblEnergyUse	T24E	980.99	0.00
tblEnergyUse	T24NG	11,224.20	0.00
tblEnergyUse	T24NG	2.02	0.00
tblEnergyUse	T24NG	17,654.53	0.00
tblEnergyUse	T24NG	27,816.78	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	414.80	0.00
tblFireplaces	NumberGas	640.90	0.00
tblFireplaces	NumberGas	37.40	0.00
tblFireplaces	NumberNoFireplace	48.80	0.00
tblFireplaces	NumberNoFireplace	75.40	0.00
tblFireplaces	NumberNoFireplace	4.40	0.00
tblFireplaces	NumberWood	24.40	0.00
tblFireplaces	NumberWood	37.70	0.00
tblFireplaces	NumberWood	2.20	0.00

tblLandUse	LandUseSquareFeet	143,748.00	0.00
tblLandUse	LandUseSquareFeet	1,089,000.00	50,000.00
tblLandUse	LandUseSquareFeet	101,600.00	101,604.00
tblProjectCharacteristics	OperationalYear	2014	2025
tblSolidWaste	SolidWasteGenerationRate	224.48	0.00
tblSolidWaste	SolidWasteGenerationRate	2.15	0.00
tblSolidWaste	SolidWasteGenerationRate	106.68	0.00
tblSolidWaste	SolidWasteGenerationRate	346.84	0.00
tblSolidWaste	SolidWasteGenerationRate	51.66	0.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	1.59	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	ST_TR	2.81	0.00
tblVehicleTrips	ST_TR	10.08	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	1.59	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	SU_TR	2.81	0.00
tblVehicleTrips	SU_TR	8.77	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	1.59	0.00
tblVehicleTrips	WD_TR	42.94	0.00
tblVehicleTrips	WD_TR	2.81	0.00
tblVehicleTrips	WD_TR	9.57	0.00
tblWater	IndoorWaterUseRate	31,795,164.50	0.00
tblWater	IndoorWaterUseRate	7,525,768.18	0.00
tblWater	IndoorWaterUseRate	49,126,135.32	0.00
tblWater	IndoorWaterUseRate	2,866,777.13	0.00
tblWater	OutdoorWaterUseRate	20,044,777.62	0.00
tblWater	OutdoorWaterUseRate	29,787,033.74	0.00

tblWater	OutdoorWaterUseRate	4,612,567.60	0.00
tblWater	OutdoorWaterUseRate	30,970,824.44	0.00
tblWater	OutdoorWaterUseRate	1,807,316.02	0.00
tblWoodstoves	NumberCatalytic	24.40	0.00
tblWoodstoves	NumberCatalytic	37.70	0.00
tblWoodstoves	NumberCatalytic	2.20	0.00
tblWoodstoves	NumberNoncatalytic	24.40	0.00
tblWoodstoves	NumberNoncatalytic	37.70	0.00
tblWoodstoves	NumberNoncatalytic	2.20	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.6093	49.4635	39.2579	0.0644	18.2675	2.2637	20.1999	9.9840	2.0826	11.7619	0.0000	6,168.3285	6,168.3285	1.9426	0.0000	6,209.1226
2021	6.6870	44.5672	84.7480	0.2290	14.2839	2.0157	15.5581	3.8169	1.8545	5.5103	0.0000	17,996.7117	17,996.7117	1.9426	0.0000	18,037.5070
2022	23.0344	32.5346	91.5275	0.2622	16.8436	1.2238	18.0674	4.4957	1.1502	5.6459	0.0000	20,208.9810	20,208.9810	1.2471	0.0000	20,235.1698
2023	22.5865	28.7046	87.6133	0.2619	16.8436	1.1011	17.9447	4.4957	1.0342	5.5299	0.0000	19,991.3726	19,991.3726	1.2151	0.0000	20,016.8894

2024	22.2836	27.3986	84.7358	0.2630	16.8437	1.0063	17.8500	4.4957	0.9443	5.4400	0.0000	19,894.5209	19,894.5209	1.1960	0.0000	19,919.6362
2025	21.9930	26.0869	82.1607	0.2629	16.8437	0.9128	17.7565	4.4958	0.8557	5.3515	0.0000	19,737.7452	19,737.7452	1.1750	0.0000	19,762.4203
Total	101.1938	208.7554	470.0431	1.3432	99.9260	8.5234	107.3766	31.7839	7.9215	39.2395	0.0000	103,997.6598	103,997.6598	8.7184	0.0000	104,180.7453

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.8156	3.3574	35.6109	0.0644	7.2470	0.1026	7.3120	3.9263	0.1024	3.9912	0.0000	6,168.3285	6,168.3285	1.9426	0.0000	6,209.1226
2021	5.3792	18.8876	85.8433	0.2290	14.2839	0.4311	14.7151	3.8169	0.4063	4.2232	0.0000	17,996.7117	17,996.7117	1.9426	0.0000	18,037.5070
2022	21.7198	18.4063	92.8287	0.2622	16.8436	0.4419	17.2855	4.4957	0.4159	4.9116	0.0000	20,208.9810	20,208.9810	1.2471	0.0000	20,235.1698
2023	21.3955	15.8632	89.0174	0.2619	16.8436	0.4303	17.2739	4.4957	0.4045	4.9003	0.0000	19,991.3726	19,991.3726	1.2151	0.0000	20,016.8894
2024	21.1858	15.5368	86.2027	0.2630	16.8437	0.4240	17.2676	4.4957	0.3981	4.8938	0.0000	19,894.5209	19,894.5209	1.1960	0.0000	19,919.6362
2025	20.9929	15.2275	83.6980	0.2629	16.8437	0.4188	17.2626	4.4958	0.3929	4.8886	0.0000	19,737.7452	19,737.7452	1.1750	0.0000	19,762.4203
Total	91.4888	87.2787	473.2011	1.3432	88.9056	2.2487	91.1167	25.7262	2.1202	27.8087	0.0000	103,997.6598	103,997.6598	8.7184	0.0000	104,180.7453

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	9.59	58.19	-0.67	0.00	11.03	73.62	15.14	19.06	73.24	29.13	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	40.9702	1.2211	106.0104	5.6000e-003		0.5882	0.5882		0.5882	0.5882	0.0000	191.0689	191.0689	0.1830	0.0000	194.9123
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	40.9702	1.2211	106.0104	5.6000e-003	0.0000	0.5882	0.5882	0.0000	0.5882	0.5882	0.0000	191.0689	191.0689	0.1830	0.0000	194.9123

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	40.9702	1.2211	106.0104	5.6000e-003		0.5882	0.5882		0.5882	0.5882	0.0000	191.0689	191.0689	0.1830	0.0000	194.9123
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	40.9702	1.2211	106.0104	5.6000e-003	0.0000	0.5882	0.5882	0.0000	0.5882	0.5882	0.0000	191.0689	191.0689	0.1830	0.0000	194.9123

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/15/2020	9/15/2020	5	45	
2	Grading	Grading	9/16/2020	2/25/2021	5	117	
3	Building Construction	Building Construction	2/26/2021	8/22/2025	5	1171	
4	Architectural Coating	Architectural Coating	3/30/2022	8/22/2025	5	888	
5	Paving	Paving	8/23/2025	12/17/2025	5	83	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 292.5

Acres of Paving: 0

Residential Indoor: 2,675,430; Residential Outdoor: 891,810; Non-Residential Indoor: 247,008; Non-Residential Outdoor: 82,336

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36

Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,147.00	234.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	229.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.7250	38.8640	32.9264	0.0391		1.9309	1.9309		1.7764	1.7764		3,792.2816	3,792.2816	1.2265		3,818.0381
Total	3.7250	38.8640	32.9264	0.0391	18.0663	1.9309	19.9971	9.9307	1.7764	11.7071		3,792.2816	3,792.2816	1.2265		3,818.0381

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0533	0.0716	0.7490	2.3800e-003	0.2012	1.5400e-003	0.2027	0.0534	1.4300e-003	0.0548		171.5577	171.5577	8.3400e-003		171.7328
Total	0.0533	0.0716	0.7490	2.3800e-003	0.2012	1.5400e-003	0.2027	0.0534	1.4300e-003	0.0548		171.5577	171.5577	8.3400e-003		171.7328

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.4757	2.0615	21.2415	0.0391		0.0634	0.0634		0.0634	0.0634	0.0000	3,792.2816	3,792.2816	1.2265		3,818.0381
Total	0.4757	2.0615	21.2415	0.0391	7.0458	0.0634	7.1093	3.8730	0.0634	3.9364	0.0000	3,792.2816	3,792.2816	1.2265		3,818.0381

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0533	0.0716	0.7490	2.3800e-003	0.2012	1.5400e-003	0.2027	0.0534	1.4300e-003	0.0548	171.5577	171.5577	8.3400e-003	171.7328		
Total	0.0533	0.0716	0.7490	2.3800e-003	0.2012	1.5400e-003	0.2027	0.0534	1.4300e-003	0.0548		171.5577	171.5577	8.3400e-003		171.7328

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.5501	49.3839	38.4257	0.0617		2.2619	2.2619		2.0810	2.0810		5,977.7088	5,977.7088	1.9333		6,018.3084
Total	4.5501	49.3839	38.4257	0.0617	8.6733	2.2619	10.9353	3.5965	2.0810	5.6775		5,977.7088	5,977.7088	1.9333		6,018.3084

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.0592	0.0796	0.8322	2.6400e-003	0.2236	1.7100e-003	0.2253	0.0593	1.5800e-003	0.0609		190.6197	190.6197	9.2600e-003		190.8142
Total	0.0592	0.0796	0.8322	2.6400e-003	0.2236	1.7100e-003	0.2253	0.0593	1.5800e-003	0.0609		190.6197	190.6197	9.2600e-003		190.8142

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000			0.0000
Off-Road	0.7564	3.2778	34.7787	0.0617		0.1009	0.1009		0.1009	0.1009	0.0000	5,977.7088	5,977.7088	1.9333		6,018.3084
Total	0.7564	3.2778	34.7787	0.0617	3.3826	0.1009	3.4835	1.4026	0.1009	1.5035	0.0000	5,977.7088	5,977.7088	1.9333		6,018.3084

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0592	0.0796	0.8322	2.6400e-003	0.2236	1.7100e-003	0.2253	0.0593	1.5800e-003	0.0609		190.6197	190.6197	9.2600e-003		190.8142
Total	0.0592	0.0796	0.8322	2.6400e-003	0.2236	1.7100e-003	0.2253	0.0593	1.5800e-003	0.0609		190.6197	190.6197	9.2600e-003		190.8142

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.1944	44.4928	36.7579	0.0617		2.0140	2.0140		1.8529	1.8529		5,979.1158	5,979.1158	1.9338		6,019.7249
Total	4.1944	44.4928	36.7579	0.0617	8.6733	2.0140	10.6874	3.5965	1.8529	5.4494		5,979.1158	5,979.1158	1.9338		6,019.7249

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0560	0.0744	0.7815	2.6500e-003	0.2236	1.7100e-003	0.2253	0.0593	1.5900e-003	0.0609		187.6613	187.6613	8.8700e-003		187.8475
Total	0.0560	0.0744	0.7815	2.6500e-003	0.2236	1.7100e-003	0.2253	0.0593	1.5900e-003	0.0609		187.6613	187.6613	8.8700e-003		187.8475

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Fugitive Dust					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000			0.0000
Off-Road	0.7564	3.2778	34.7787	0.0617		0.1009	0.1009		0.1009	0.1009	0.0000	5,979.1157	5,979.1157	1.9338		6,019.7249
Total	0.7564	3.2778	34.7787	0.0617	3.3826	0.1009	3.4835	1.4026	0.1009	1.5035	0.0000	5,979.1157	5,979.1157	1.9338		6,019.7249

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0560	0.0744	0.7815	2.6500e-003	0.2236	1.7100e-003	0.2253	0.0593	1.5900e-003	0.0609		187.6613	187.6613	8.8700e-003		187.8475
Total	0.0560	0.0744	0.7815	2.6500e-003	0.2236	1.7100e-003	0.2253	0.0593	1.5900e-003	0.0609		187.6613	187.6613	8.8700e-003		187.8475

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979		2,542.7817	2,542.7817	0.6126		2,555.6462
Total	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979		2,542.7817	2,542.7817	0.6126		2,555.6462

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.5827	11.8866	23.3932	0.0502	1.4632	0.2212	1.6844	0.4168	0.2035	0.6203		4,691.5536	4,691.5536	0.0353		4,692.2949
Worker	3.2112	4.2672	44.8171	0.1520	12.8208	0.0981	12.9189	3.4001	0.0910	3.4911		10,762.3763	10,762.3763	0.5085		10,773.0552
Total	4.7939	16.1537	68.2103	0.2022	14.2839	0.3193	14.6032	3.8169	0.2945	4.1114		15,453.9299	15,453.9299	0.5438		15,465.3500

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5853	2.7338	17.6330	0.0268		0.1118	0.1118		0.1118	0.1118	0.0000	2,542.7817	2,542.7817	0.6126		2,555.6462
Total	0.5853	2.7338	17.6330	0.0268		0.1118	0.1118		0.1118	0.1118	0.0000	2,542.7817	2,542.7817	0.6126		2,555.6462

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.5827	11.8866	23.3932	0.0502	1.4632	0.2212	1.6844	0.4168	0.2035	0.6203		4,691.5536	4,691.5536	0.0353		4,692.2949
Worker	3.2112	4.2672	44.8171	0.1520	12.8208	0.0981	12.9189	3.4001	0.0910	3.4911		10,762.3763	10,762.3763	0.5085		10,773.0552
Total	4.7939	16.1537	68.2103	0.2022	14.2839	0.3193	14.6032	3.8169	0.2945	4.1114		15,453.9299	15,453.9299	0.5438		15,465.3500

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581		2,543.7497	2,543.7497	0.6085		2,556.5286
Total	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581		2,543.7497	2,543.7497	0.6085		2,556.5286

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.5473	10.7892	22.8457	0.0501	1.4632	0.2188	1.6819	0.4168	0.2013	0.6180		4,687.316 2	4,687.3162	0.0361		4,688.074 0
Worker	3.0413	4.0017	42.1294	0.1519	12.8208	0.0980	12.9188	3.4001	0.0909	3.4911		10,583.46 50	10,583.465 0	0.4869		10,593.69 07
Total	4.5887	14.7908	64.9751	0.2020	14.2839	0.3168	14.6007	3.8169	0.2922	4.1091		15,270.78 12	15,270.781 2	0.5230		15,281.76 46

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5594	2.6878	17.6100	0.0268		0.1016	0.1016		0.1016	0.1016	0.0000	2,543.749 7	2,543.7497	0.6085		2,556.528 6
Total	0.5594	2.6878	17.6100	0.0268		0.1016	0.1016		0.1016	0.1016	0.0000	2,543.749 7	2,543.7497	0.6085		2,556.528 6

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.5473	10.7892	22.8457	0.0501	1.4632	0.2188	1.6819	0.4168	0.2013	0.6180		4,687.316 2	4,687.3162	0.0361		4,688.074 0
Worker	3.0413	4.0017	42.1294	0.1519	12.8208	0.0980	12.9188	3.4001	0.0909	3.4911		10,583.46 50	10,583.465 0	0.4869		10,593.69 07

Total	4.5887	14.7908	64.9751	0.2020	14.2839	0.3168	14.6007	3.8169	0.2922	4.1091		15,270.78 12	15,270.781 2	0.5230		15,281.76 46

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557		2,544.626 2	2,544.6262	0.6044		2,557.319 1
Total	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557		2,544.626 2	2,544.6262	0.6044		2,557.319 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.4369	8.5716	21.9973	0.0499	1.4632	0.2160	1.6792	0.4168	0.1987	0.6155		4,664.666 1	4,664.6661	0.0326		4,665.350 0
Worker	2.8817	3.7656	39.6745	0.1519	12.8208	0.0980	12.9187	3.4001	0.0909	3.4910		10,420.22 18	10,420.221 8	0.4679		10,430.04 66
Total	4.3185	12.3372	61.6718	0.2017	14.2839	0.3140	14.5979	3.8169	0.2896	4.1065		15,084.88 79	15,084.887 9	0.5004		15,095.39 66

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5371	2.6455	17.5921	0.0268		0.0928	0.0928		0.0928	0.0928	0.0000	2,544.6262	2,544.6262	0.6044		2,557.3191
Total	0.5371	2.6455	17.5921	0.0268		0.0928	0.0928		0.0928	0.0928	0.0000	2,544.6262	2,544.6262	0.6044		2,557.3191

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.4369	8.5716	21.9973	0.0499	1.4632	0.2160	1.6792	0.4168	0.1987	0.6155		4,664.6661	4,664.6661	0.0326		4,665.3500
Worker	2.8817	3.7656	39.6745	0.1519	12.8208	0.0980	12.9187	3.4001	0.0909	3.4910		10,420.2218	10,420.2218	0.4679		10,430.0466
Total	4.3185	12.3372	61.6718	0.2017	14.2839	0.3140	14.5979	3.8169	0.2896	4.1065		15,084.8879	15,084.8879	0.5004		15,095.3966

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744		2,545.1154	2,545.1154	0.6009		2,557.7349
Total	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744		2,545.1154	2,545.1154	0.6009		2,557.7349

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.4132	8.5258	21.5603	0.0500	1.4632	0.2161	1.6793	0.4168	0.1988	0.6156		4,677.3505	4,677.3505	0.0330		4,678.0441
Worker	2.7421	3.5648	37.7044	0.1527	12.8208	0.0990	12.9198	3.4001	0.0919	3.4920		10,328.5074	10,328.5074	0.4553		10,338.0680
Total	4.1553	12.0906	59.2647	0.2027	14.2840	0.3151	14.5991	3.8169	0.2906	4.1076		15,005.8578	15,005.8578	0.4883		15,016.1121

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5185	2.6057	17.5779	0.0268		0.0852	0.0852		0.0852	0.0852	0.0000	2,545.1154	2,545.1154	0.6009		2,557.7349
Total	0.5185	2.6057	17.5779	0.0268		0.0852	0.0852		0.0852	0.0852	0.0000	2,545.1154	2,545.1154	0.6009		2,557.7349

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.4132	8.5258	21.5603	0.0500	1.4632	0.2161	1.6793	0.4168	0.1988	0.6156		4,677.3505	4,677.3505	0.0330		4,678.0441
Worker	2.7421	3.5648	37.7044	0.1527	12.8208	0.0990	12.9198	3.4001	0.0919	3.4920		10,328.5074	10,328.5074	0.4553		10,338.0680
Total	4.1553	12.0906	59.2647	0.2027	14.2840	0.3151	14.5991	3.8169	0.2906	4.1076		15,005.8578	15,005.8578	0.4883		15,016.1121

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.3864	8.4658	21.1788	0.0500	1.4633	0.2171	1.6804	0.4168	0.1998	0.6166		4,677.4690	4,677.4690	0.0332		4,678.1653
Worker	2.6170	3.3893	35.9446	0.1526	12.8208	0.0993	12.9201	3.4001	0.0922	3.4923		10,197.0781	10,197.0781	0.4409		10,206.3378
Total	4.0034	11.8551	57.1234	0.2026	14.2840	0.3165	14.6005	3.8169	0.2919	4.1088		14,874.5471	14,874.5471	0.4741		14,884.5031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5025	2.5670	17.5658	0.0269		0.0786	0.0786		0.0786	0.0786	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	0.5025	2.5670	17.5658	0.0269		0.0786	0.0786		0.0786	0.0786	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	1.3864	8.4658	21.1788	0.0500	1.4633	0.2171	1.6804	0.4168	0.1998	0.6166		4,677.4690	4,677.4690	0.0332		4,678.1653
Worker	2.6170	3.3893	35.9446	0.1526	12.8208	0.0993	12.9201	3.4001	0.0922	3.4923		10,197.0781	10,197.0781	0.4409		10,206.3378
Total	4.0034	11.8551	57.1234	0.2026	14.2840	0.3165	14.6005	3.8169	0.2919	4.1088		14,874.5471	14,874.5471	0.4741		14,884.5031

3.5 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.9348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.8329
Total	16.1394	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.8329

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.6072	0.7989	8.4112	0.0303	2.5597	0.0196	2.5793	0.6788	0.0182	0.6970		2,113.0022	2,113.0022	0.0972		2,115.0437
Total	0.6072	0.7989	8.4112	0.0303	2.5597	0.0196	2.5793	0.6788	0.0182	0.6970		2,113.0022	2,113.0022	0.0972		2,115.0437

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.9348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.8329
Total	15.9645	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.8329

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.6072	0.7989	8.4112	0.0303	2.5597	0.0196	2.5793	0.6788	0.0182	0.6970		2,113.0022	2,113.0022	0.0972		2,115.0437
Total	0.6072	0.7989	8.4112	0.0303	2.5597	0.0196	2.5793	0.6788	0.0182	0.6970		2,113.0022	2,113.0022	0.0972		2,115.0437

3.5 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.9348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8017
Total	16.1265	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.5753	0.7518	7.9211	0.0303	2.5597	0.0196	2.5792	0.6788	0.0182	0.6970		2,080.4105	2,080.4105	0.0934		2,082.3720
Total	0.5753	0.7518	7.9211	0.0303	2.5597	0.0196	2.5792	0.6788	0.0182	0.6970		2,080.4105	2,080.4105	0.0934		2,082.3720

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.9348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0168		281.8017
Total	15.9645	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0168		281.8017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.5753	0.7518	7.9211	0.0303	2.5597	0.0196	2.5792	0.6788	0.0182	0.6970		2,080.4105	2,080.4105	0.0934		2,082.3720
Total	0.5753	0.7518	7.9211	0.0303	2.5597	0.0196	2.5792	0.6788	0.0182	0.6970		2,080.4105	2,080.4105	0.0934		2,082.3720

3.5 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.9348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.7809
Total	16.1156	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.7809

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.5475	0.7117	7.5277	0.0305	2.5597	0.0198	2.5795	0.6788	0.0183	0.6972		2,062.0996	2,062.0996	0.0909		2,064.0083
Total	0.5475	0.7117	7.5277	0.0305	2.5597	0.0198	2.5795	0.6788	0.0183	0.6972		2,062.0996	2,062.0996	0.0909		2,064.0083

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.9348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0159		281.7809
Total	15.9645	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0159		281.7809

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.5475	0.7117	7.5277	0.0305	2.5597	0.0198	2.5795	0.6788	0.0183	0.6972	2,062.0996	2,062.0996	0.0909		2,064.0083
Total	0.5475	0.7117	7.5277	0.0305	2.5597	0.0198	2.5795	0.6788	0.0183	0.6972	2,062.0996	2,062.0996	0.0909		2,064.0083

3.5 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.9348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705
Total	16.1057	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.5225	0.6767	7.1764	0.0305	2.5597	0.0198	2.5795	0.6788	0.0184	0.6972		2,035.8595	2,035.8595	0.0880		2,037.7082
Total	0.5225	0.6767	7.1764	0.0305	2.5597	0.0198	2.5795	0.6788	0.0184	0.6972		2,035.8595	2,035.8595	0.0880		2,037.7082

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.9348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.7705
Total	15.9645	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.7705

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.5225	0.6767	7.1764	0.0305	2.5597	0.0198	2.5795	0.6788	0.0184	0.6972		2,035.8595	2,035.8595	0.0880		2,037.7082
Total	0.5225	0.6767	7.1764	0.0305	2.5597	0.0198	2.5795	0.6788	0.0184	0.6972		2,035.8595	2,035.8595	0.0880		2,037.7082

3.6 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8973	8.4215	14.2781	0.0223		0.4109	0.4109		0.3781	0.3781		2,159.7967	2,159.7967	0.6985		2,174.4656
Paving	0.3157					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2130	8.4215	14.2781	0.0223		0.4109	0.4109		0.3781	0.3781		2,159.7967	2,159.7967	0.6985		2,174.4656

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0342	0.0443	0.4701	2.0000e-003	0.1677	1.3000e-003	0.1690	0.0445	1.2100e-003	0.0457		133.3532	133.3532	5.7700e-003		133.4743
Total	0.0342	0.0443	0.4701	2.0000e-003	0.1677	1.3000e-003	0.1690	0.0445	1.2100e-003	0.0457		133.3532	133.3532	5.7700e-003		133.4743

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Off-Road	0.2745	1.1895	16.9276	0.0223		0.0366	0.0366		0.0366	0.0366	0.0000	2,159.7967	2,159.7967	0.6985		2,174.4656
Paving	0.3157					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5902	1.1895	16.9276	0.0223		0.0366	0.0366		0.0366	0.0366	0.0000	2,159.7967	2,159.7967	0.6985		2,174.4656

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0342	0.0443	0.4701	2.0000e-003	0.1677	1.3000e-003	0.1690	0.0445	1.2100e-003	0.0457		133.3532	133.3532	5.7700e-003		133.4743
Total	0.0342	0.0443	0.4701	2.0000e-003	0.1677	1.3000e-003	0.1690	0.0445	1.2100e-003	0.0457		133.3532	133.3532	5.7700e-003		133.4743

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
Retirement Community	0.00	0.00	0.00		
Single Family Housing	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11
Retirement Community	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.500116	0.060136	0.182997	0.141937	0.043982	0.006974	0.016541	0.035595	0.002005	0.002529	0.004193	0.000558	0.002437

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Retirement Community	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Retirement Community	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Mitigated	40.9702	1.2211	106.0104	5.6000e-003		0.5882	0.5882		0.5882	0.5882	0.0000	191.0689	191.0689	0.1830	0.0000	194.9123
Unmitigated	40.9702	1.2211	106.0104	5.6000e-003		0.5882	0.5882		0.5882	0.5882	0.0000	191.0689	191.0689	0.1830	0.0000	194.9123

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	37.7864					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.1838	1.2211	106.0104	5.6000e-003		0.5882	0.5882		0.5882	0.5882		191.0689	191.0689	0.1830		194.9123
Total	40.9702	1.2211	106.0104	5.6000e-003		0.5882	0.5882		0.5882	0.5882	0.0000	191.0689	191.0689	0.1830	0.0000	194.9123

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	37.7864					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Landscaping	3.1838	1.2211	106.0104	5.6000e-003		0.5882	0.5882		0.5882	0.5882		191.0689	191.0689	0.1830		194.9123
Total	40.9702	1.2211	106.0104	5.6000e-003		0.5882	0.5882		0.5882	0.5882	0.0000	191.0689	191.0689	0.1830	0.0000	194.9123

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Rancho San Gorgonio Specific Plan - Phase 4 - Construction

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	3.30	Acre	3.30	0.00	0
Parking Lot	10.00	Acre	10.00	435,600.00	0
City Park	25.00	Acre	25.00	50,000.00	0
Apartments Low Rise	488.00	Dwelling Unit	30.50	488,000.00	1396
Retirement Community	754.00	Dwelling Unit	150.80	754,000.00	2156
Single Family Housing	44.00	Dwelling Unit	14.29	79,200.00	126
Regional Shopping Center	101.60	1000sqft	2.33	101,604.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - No buildings in the community parks (represented by Other Non-Asphalt Surfaces), assume one small building in community park and a 10-acre parking lot for the shopping center.

Construction Phase - Construction will be completed by 2025, assume architectural coatings applied during building construction.

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Trips and VMT -

Grading -

Architectural Coating -

Vehicle Trips - No operations

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - no operations

Consumer Products - no operations

Area Coating - no operations

Landscape Equipment - no operations

Energy Use - no operations

Water And Wastewater - no operations

Solid Waste - no operations

Construction Off-road Equipment Mitigation - Dust control measures as required by SCAQMD Rule 403.

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	330.00	888.00
tblConstructionPhase	NumDays	4,650.00	1,171.00
tblConstructionPhase	NumDays	465.00	117.00
tblConstructionPhase	NumDays	330.00	83.00
tblConstructionPhase	NumDays	180.00	45.00
tblConstructionPhase	PhaseEndDate	1/17/2029	8/22/2025
tblConstructionPhase	PhaseStartDate	8/23/2025	3/30/2022
tblEnergyUse	LightingElect	810.36	0.00
tblEnergyUse	LightingElect	0.88	0.00
tblEnergyUse	LightingElect	7.62	0.00
tblEnergyUse	LightingElect	1,001.10	0.00
tblEnergyUse	LightingElect	1,608.84	0.00
tblEnergyUse	NT24E	2,630.88	0.00
tblEnergyUse	NT24E	2.44	0.00
tblEnergyUse	NT24E	3,125.85	0.00
tblEnergyUse	NT24E	5,089.81	0.00

tblEnergyUse	NT24NG	2,498.00	0.00
tblEnergyUse	NT24NG	0.30	0.00
tblEnergyUse	NT24NG	2,951.00	0.00
tblEnergyUse	NT24NG	5,950.14	0.00
tblEnergyUse	T24E	636.58	0.00
tblEnergyUse	T24E	5.60	0.00
tblEnergyUse	T24E	749.55	0.00
tblEnergyUse	T24E	980.99	0.00
tblEnergyUse	T24NG	11,224.20	0.00
tblEnergyUse	T24NG	2.02	0.00
tblEnergyUse	T24NG	17,654.53	0.00
tblEnergyUse	T24NG	27,816.78	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	414.80	0.00
tblFireplaces	NumberGas	640.90	0.00
tblFireplaces	NumberGas	37.40	0.00
tblFireplaces	NumberNoFireplace	48.80	0.00
tblFireplaces	NumberNoFireplace	75.40	0.00
tblFireplaces	NumberNoFireplace	4.40	0.00
tblFireplaces	NumberWood	24.40	0.00
tblFireplaces	NumberWood	37.70	0.00
tblFireplaces	NumberWood	2.20	0.00

tblLandUse	LandUseSquareFeet	143,748.00	0.00
tblLandUse	LandUseSquareFeet	1,089,000.00	50,000.00
tblLandUse	LandUseSquareFeet	101,600.00	101,604.00
tblProjectCharacteristics	OperationalYear	2014	2025
tblSolidWaste	SolidWasteGenerationRate	224.48	0.00
tblSolidWaste	SolidWasteGenerationRate	2.15	0.00
tblSolidWaste	SolidWasteGenerationRate	106.68	0.00
tblSolidWaste	SolidWasteGenerationRate	346.84	0.00
tblSolidWaste	SolidWasteGenerationRate	51.66	0.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	1.59	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	ST_TR	2.81	0.00
tblVehicleTrips	ST_TR	10.08	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	1.59	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	SU_TR	2.81	0.00
tblVehicleTrips	SU_TR	8.77	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	1.59	0.00
tblVehicleTrips	WD_TR	42.94	0.00
tblVehicleTrips	WD_TR	2.81	0.00
tblVehicleTrips	WD_TR	9.57	0.00
tblWater	IndoorWaterUseRate	31,795,164.50	0.00
tblWater	IndoorWaterUseRate	7,525,768.18	0.00
tblWater	IndoorWaterUseRate	49,126,135.32	0.00
tblWater	IndoorWaterUseRate	2,866,777.13	0.00
tblWater	OutdoorWaterUseRate	20,044,777.62	0.00
tblWater	OutdoorWaterUseRate	29,787,033.74	0.00

tblWater	OutdoorWaterUseRate	4,612,567.60	0.00
tblWater	OutdoorWaterUseRate	30,970,824.44	0.00
tblWater	OutdoorWaterUseRate	1,807,316.02	0.00
tblWoodstoves	NumberCatalytic	24.40	0.00
tblWoodstoves	NumberCatalytic	37.70	0.00
tblWoodstoves	NumberCatalytic	2.20	0.00
tblWoodstoves	NumberNoncatalytic	24.40	0.00
tblWoodstoves	NumberNoncatalytic	37.70	0.00
tblWoodstoves	NumberNoncatalytic	2.20	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.2623	2.7805	2.2704	3.4100e-003	0.9268	0.1306	1.0574	0.4373	0.1202	0.5574	0.0000	296.5061	296.5061	0.0931	0.0000	298.4602
2021	0.7972	4.6322	10.1622	0.0269	2.0615	0.1810	2.2425	0.6263	0.1688	0.7950	0.0000	1,935.2160	1,935.2160	0.1511	0.0000	1,938.3890
2022	2.4414	4.2063	11.6508	0.0334	2.0719	0.1558	2.2278	0.5540	0.1463	0.7003	0.0000	2,341.2502	2,341.2502	0.1437	0.0000	2,344.2687
2023	2.9026	3.7718	11.4590	0.0345	2.1498	0.1430	2.2928	0.5747	0.1343	0.7090	0.0000	2,383.5180	2,383.5180	0.1432	0.0000	2,386.5255

2024	2.8866	3.6288	11.1655	0.0349	2.1664	0.1317	2.2981	0.5791	0.1236	0.7027	0.0000	2,390.2110	2,390.2110	0.1420	0.0000	2,393.1939
2025	1.8790	2.5675	7.5526	0.0234	1.3960	0.0937	1.4897	0.3731	0.0876	0.4607	0.0000	1,606.9442	1,606.9442	0.1160	0.0000	1,609.3802
Total	11.1691	21.5872	54.2605	0.1564	10.7723	0.8359	11.6082	3.1444	0.7807	3.9251	0.0000	10,953.6455	10,953.6455	0.7891	0.0000	10,970.2174

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.0431	0.1774	1.8671	3.4100e-003	0.3693	5.4100e-003	0.3747	0.1726	5.4000e-003	0.1780	0.0000	296.5058	296.5058	0.0931	0.0000	298.4599
2021	0.5839	2.1939	10.2437	0.0269	1.7520	0.0496	1.8016	0.4980	0.0469	0.5448	0.0000	1,935.2156	1,935.2156	0.1511	0.0000	1,938.3886
2022	2.2760	2.4093	11.8193	0.0334	2.0719	0.0566	2.1285	0.5540	0.0533	0.6072	0.0000	2,341.2498	2,341.2498	0.1437	0.0000	2,344.2683
2023	2.7478	2.1024	11.6415	0.0345	2.1498	0.0558	2.2056	0.5747	0.0525	0.6271	0.0000	2,383.5176	2,383.5176	0.1432	0.0000	2,386.5251
2024	2.7428	2.0749	11.3577	0.0349	2.1664	0.0554	2.2218	0.5791	0.0520	0.6311	0.0000	2,390.2106	2,390.2106	0.1420	0.0000	2,393.1935
2025	1.7692	1.3552	7.7917	0.0234	1.3960	0.0367	1.4326	0.3731	0.0345	0.4076	0.0000	1,606.9439	1,606.9439	0.1160	0.0000	1,609.3798
Total	10.1627	10.3132	54.7210	0.1564	9.9054	0.2595	10.1648	2.7514	0.2445	2.9960	0.0000	10,953.6432	10,953.6432	0.7891	0.0000	10,970.2151

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	9.01	52.23	-0.85	0.00	8.05	68.96	12.43	12.50	68.68	23.67	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	7.2940	0.1526	13.2513	7.0000e-004		0.0735	0.0735		0.0735	0.0735	0.0000	21.6669	21.6669	0.0208	0.0000	22.1027
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	7.2940	0.1526	13.2513	7.0000e-004	0.0000	0.0735	0.0735	0.0000	0.0735	0.0735	0.0000	21.6669	21.6669	0.0208	0.0000	22.1027

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	7.2940	0.1526	13.2513	7.0000e-004		0.0735	0.0735		0.0735	0.0735	0.0000	21.6669	21.6669	0.0208	0.0000	22.1027
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	7.2940	0.1526	13.2513	7.0000e-004	0.0000	0.0735	0.0735	0.0000	0.0735	0.0735	0.0000	21.6669	21.6669	0.0208	0.0000	22.1027

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e

Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/15/2020	9/15/2020	5	45	
2	Grading	Grading	9/16/2020	2/25/2021	5	117	
3	Building Construction	Building Construction	2/26/2021	8/22/2025	5	1171	
4	Architectural Coating	Architectural Coating	3/30/2022	8/22/2025	5	888	
5	Paving	Paving	8/23/2025	12/17/2025	5	83	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 292.5

Acres of Paving: 0

Residential Indoor: 2,675,430; Residential Outdoor: 891,810; Non-Residential Indoor: 247,008; Non-Residential Outdoor: 82,336

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74

Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,147.00	234.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	229.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Fugitive Dust					0.4065	0.0000	0.4065	0.2234	0.0000	0.2234	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0838	0.8744	0.7408	8.8000e-004		0.0434	0.0434		0.0400	0.0400	0.0000	77.4068	77.4068	0.0250	0.0000	77.9325
Total	0.0838	0.8744	0.7408	8.8000e-004	0.4065	0.0434	0.4499	0.2234	0.0400	0.2634	0.0000	77.4068	77.4068	0.0250	0.0000	77.9325

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1200e-003	1.6600e-003	0.0173	5.0000e-005	4.4400e-003	3.0000e-005	4.4800e-003	1.1800e-003	3.0000e-005	1.2100e-003	0.0000	3.5565	3.5565	1.7000e-004	0.0000	3.5601
Total	1.1200e-003	1.6600e-003	0.0173	5.0000e-005	4.4400e-003	3.0000e-005	4.4800e-003	1.1800e-003	3.0000e-005	1.2100e-003	0.0000	3.5565	3.5565	1.7000e-004	0.0000	3.5601

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1585	0.0000	0.1585	0.0871	0.0000	0.0871	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0107	0.0464	0.4779	8.8000e-004		1.4300e-003	1.4300e-003		1.4300e-003	1.4300e-003	0.0000	77.4067	77.4067	0.0250	0.0000	77.9324
Total	0.0107	0.0464	0.4779	8.8000e-004	0.1585	1.4300e-003	0.1600	0.0871	1.4300e-003	0.0886	0.0000	77.4067	77.4067	0.0250	0.0000	77.9324

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1200e-003	1.6600e-003	0.0173	5.0000e-005	4.4400e-003	3.0000e-005	4.4800e-003	1.1800e-003	3.0000e-005	1.2100e-003	0.0000	3.5565	3.5565	1.7000e-004	0.0000	3.5601
Total	1.1200e-003	1.6600e-003	0.0173	5.0000e-005	4.4400e-003	3.0000e-005	4.4800e-003	1.1800e-003	3.0000e-005	1.2100e-003	0.0000	3.5565	3.5565	1.7000e-004	0.0000	3.5601

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5074	0.0000	0.5074	0.2104	0.0000	0.2104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1752	1.9013	1.4794	2.3800e-003		0.0871	0.0871		0.0801	0.0801	0.0000	208.7811	208.7811	0.0675	0.0000	210.1991
Total	0.1752	1.9013	1.4794	2.3800e-003	0.5074	0.0871	0.5945	0.2104	0.0801	0.2905	0.0000	208.7811	208.7811	0.0675	0.0000	210.1991

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1400e-003	3.1600e-003	0.0329	1.0000e-004	8.4500e-003	7.0000e-005	8.5100e-003	2.2400e-003	6.0000e-005	2.3000e-003	0.0000	6.7617	6.7617	3.2000e-004	0.0000	6.7685
Total	2.1400e-003	3.1600e-003	0.0329	1.0000e-004	8.4500e-003	7.0000e-005	8.5100e-003	2.2400e-003	6.0000e-005	2.3000e-003	0.0000	6.7617	6.7617	3.2000e-004	0.0000	6.7685

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1979	0.0000	0.1979	0.0821	0.0000	0.0821	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0291	0.1262	1.3390	2.3800e-003		3.8800e-003	3.8800e-003		3.8800e-003	3.8800e-003	0.0000	208.7809	208.7809	0.0675	0.0000	210.1989
Total	0.0291	0.1262	1.3390	2.3800e-003	0.1979	3.8800e-003	0.2018	0.0821	3.8800e-003	0.0859	0.0000	208.7809	208.7809	0.0675	0.0000	210.1989

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1400e-003	3.1600e-003	0.0329	1.0000e-004	8.4500e-003	7.0000e-005	8.5100e-003	2.2400e-003	6.0000e-005	2.3000e-003	0.0000	6.7617	6.7617	3.2000e-004	0.0000	6.7685
Total	2.1400e-003	3.1600e-003	0.0329	1.0000e-004	8.4500e-003	7.0000e-005	8.5100e-003	2.2400e-003	6.0000e-005	2.3000e-003	0.0000	6.7617	6.7617	3.2000e-004	0.0000	6.7685

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5074	0.0000	0.5074	0.2104	0.0000	0.2104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0839	0.8899	0.7352	1.2300e-003		0.0403	0.0403		0.0371	0.0371	0.0000	108.4833	108.4833	0.0351	0.0000	109.2201
Total	0.0839	0.8899	0.7352	1.2300e-003	0.5074	0.0403	0.5477	0.2104	0.0371	0.2475	0.0000	108.4833	108.4833	0.0351	0.0000	109.2201

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0500e-003	1.5300e-003	0.0161	5.0000e-005	4.3900e-003	3.0000e-005	4.4200e-003	1.1700e-003	3.0000e-005	1.2000e-003	0.0000	3.4581	3.4581	1.6000e-004	0.0000	3.4615
Total	1.0500e-003	1.5300e-003	0.0161	5.0000e-005	4.3900e-003	3.0000e-005	4.4200e-003	1.1700e-003	3.0000e-005	1.2000e-003	0.0000	3.4581	3.4581	1.6000e-004	0.0000	3.4615

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1979	0.0000	0.1979	0.0821	0.0000	0.0821	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0151	0.0656	0.6956	1.2300e-003		2.0200e-003	2.0200e-003		2.0200e-003	2.0200e-003	0.0000	108.4831	108.4831	0.0351	0.0000	109.2199
Total	0.0151	0.0656	0.6956	1.2300e-003	0.1979	2.0200e-003	0.1999	0.0821	2.0200e-003	0.0841	0.0000	108.4831	108.4831	0.0351	0.0000	109.2199

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0500e-003	1.5300e-003	0.0161	5.0000e-005	4.3900e-003	3.0000e-005	4.4200e-003	1.1700e-003	3.0000e-005	1.2000e-003	0.0000	3.4581	3.4581	1.6000e-004	0.0000	3.4615
Total	1.0500e-003	1.5300e-003	0.0161	5.0000e-005	4.3900e-003	3.0000e-005	4.4200e-003	1.1700e-003	3.0000e-005	1.2000e-003	0.0000	3.4581	3.4581	1.6000e-004	0.0000	3.4615

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2092	1.9161	1.8274	2.9600e-003		0.1055	0.1055		0.0992	0.0992	0.0000	254.8984	254.8984	0.0614	0.0000	256.1880
Total	0.2092	1.9161	1.8274	2.9600e-003		0.1055	0.1055		0.0992	0.0992	0.0000	254.8984	254.8984	0.0614	0.0000	256.1880

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1703	1.3389	2.4980	5.5700e-003	0.1592	0.0243	0.1835	0.0454	0.0224	0.0678	0.0000	472.6340	472.6340	3.4700e-003	0.0000	472.7068
Worker	0.3327	0.4858	5.0856	0.0171	1.3905	0.0108	1.4014	0.3693	0.0101	0.3794	0.0000	1,095.7422	1,095.7422	0.0510	0.0000	1,096.8127
Total	0.5031	1.8247	7.5836	0.0226	1.5497	0.0352	1.5849	0.4147	0.0325	0.4472	0.0000	1,568.3762	1,568.3762	0.0545	0.0000	1,569.5195

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0647	0.3021	1.9484	2.9600e-003		0.0124	0.0124		0.0124	0.0124	0.0000	254.8981	254.8981	0.0614	0.0000	256.1877

Total	0.0647	0.3021	1.9484	2.9600e-003		0.0124	0.0124		0.0124	0.0124	0.0000	254.8981	254.8981	0.0614	0.0000	256.1877

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1703	1.3389	2.4980	5.5700e-003	0.1592	0.0243	0.1835	0.0454	0.0224	0.0678	0.0000	472.6340	472.6340	3.4700e-003	0.0000	472.7068
Worker	0.3327	0.4858	5.0856	0.0171	1.3905	0.0108	1.4014	0.3693	0.0101	0.3794	0.0000	1,095.7422	1,095.7422	0.0510	0.0000	1,096.8127
Total	0.5031	1.8247	7.5836	0.0226	1.5497	0.0352	1.5849	0.4147	0.0325	0.4472	0.0000	1,568.3762	1,568.3762	0.0545	0.0000	1,569.5195

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2209	2.0197	2.1226	3.4900e-003		0.1047	0.1047		0.0986	0.0986	0.0000	299.9946	299.9946	0.0718	0.0000	301.5017
Total	0.2209	2.0197	2.1226	3.4900e-003		0.1047	0.1047		0.0986	0.0986	0.0000	299.9946	299.9946	0.0718	0.0000	301.5017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1958	1.4295	2.8671	6.5400e-003	0.1873	0.0283	0.2156	0.0535	0.0261	0.0795	0.0000	555.5385	555.5385	4.1700e-003	0.0000	555.6260
Worker	0.3706	0.5361	5.6261	0.0201	1.6359	0.0128	1.6487	0.4345	0.0118	0.4463	0.0000	1,267.6966	1,267.6966	0.0574	0.0000	1,268.9026
Total	0.5664	1.9656	8.4932	0.0266	1.8232	0.0411	1.8643	0.4879	0.0379	0.5258	0.0000	1,823.2351	1,823.2351	0.0616	0.0000	1,824.5286

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0727	0.3494	2.2893	3.4900e-003		0.0132	0.0132		0.0132	0.0132	0.0000	299.9943	299.9943	0.0718	0.0000	301.5013
Total	0.0727	0.3494	2.2893	3.4900e-003		0.0132	0.0132		0.0132	0.0132	0.0000	299.9943	299.9943	0.0718	0.0000	301.5013

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1958	1.4295	2.8671	6.5400e-003	0.1873	0.0283	0.2156	0.0535	0.0261	0.0795	0.0000	555.5385	555.5385	4.1700e-003	0.0000	555.6260
Worker	0.3706	0.5361	5.6261	0.0201	1.6359	0.0128	1.6487	0.4345	0.0118	0.4463	0.0000	1,267.6966	1,267.6966	0.0574	0.0000	1,268.9026
Total	0.5664	1.9656	8.4932	0.0266	1.8232	0.0411	1.8643	0.4879	0.0379	0.5258	0.0000	1,823.2351	1,823.2351	0.0616	0.0000	1,824.5286

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2036	1.8606	2.1072	3.4900e-003		0.0906	0.0906		0.0852	0.0852	0.0000	300.0980	300.0980	0.0713	0.0000	301.5949
Total	0.2036	1.8606	2.1072	3.4900e-003		0.0906	0.0906		0.0852	0.0852	0.0000	300.0980	300.0980	0.0713	0.0000	301.5949

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1816	1.1365	2.7580	6.5100e-003	0.1873	0.0280	0.2152	0.0535	0.0257	0.0792	0.0000	552.8678	552.8678	3.7500e-003	0.0000	552.9466

Worker	0.3509	0.5046	5.3001	0.0201	1.6359	0.0127	1.6487	0.4345	0.0118	0.4463	0.0000	1,248.1627	1,248.1627	0.0552	0.0000	1,249.3214
Total	0.5325	1.6410	8.0582	0.0266	1.8232	0.0407	1.8639	0.4879	0.0375	0.5255	0.0000	1,801.0305	1,801.0305	0.0589	0.0000	1,802.2680

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0698	0.3439	2.2870	3.4900e-003		0.0121	0.0121		0.0121	0.0121	0.0000	300.0976	300.0976	0.0713	0.0000	301.5946
Total	0.0698	0.3439	2.2870	3.4900e-003		0.0121	0.0121		0.0121	0.0121	0.0000	300.0976	300.0976	0.0713	0.0000	301.5946

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1816	1.1365	2.7580	6.5100e-003	0.1873	0.0280	0.2152	0.0535	0.0257	0.0792	0.0000	552.8678	552.8678	3.7500e-003	0.0000	552.9466
Worker	0.3509	0.5046	5.3001	0.0201	1.6359	0.0127	1.6487	0.4345	0.0118	0.4463	0.0000	1,248.1627	1,248.1627	0.0552	0.0000	1,249.3214
Total	0.5325	1.6410	8.0582	0.0266	1.8232	0.0407	1.8639	0.4879	0.0375	0.5255	0.0000	1,801.0305	1,801.0305	0.0589	0.0000	1,802.2680

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1920	1.7524	2.1135	3.5200e-003		0.0800	0.0800		0.0752	0.0752	0.0000	302.4646	302.4646	0.0714	0.0000	303.9643
Total	0.1920	1.7524	2.1135	3.5200e-003		0.0800	0.0800		0.0752	0.0752	0.0000	302.4646	302.4646	0.0714	0.0000	303.9643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1800	1.1391	2.7234	6.5800e-003	0.1887	0.0282	0.2169	0.0539	0.0259	0.0798	0.0000	558.6283	558.6283	3.8400e-003	0.0000	558.7089
Worker	0.3364	0.4814	5.0777	0.0203	1.6485	0.0130	1.6615	0.4378	0.0120	0.4498	0.0000	1,246.7544	1,246.7544	0.0541	0.0000	1,247.8906
Total	0.5164	1.6206	7.8011	0.0269	1.8372	0.0412	1.8784	0.4917	0.0380	0.5296	0.0000	1,805.3827	1,805.3827	0.0579	0.0000	1,806.5995

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Off-Road	0.0679	0.3413	2.3027	3.5200e-003		0.0112	0.0112		0.0112	0.0112	0.0000	302.4642	302.4642	0.0714	0.0000	303.9639
Total	0.0679	0.3413	2.3027	3.5200e-003		0.0112	0.0112		0.0112	0.0112	0.0000	302.4642	302.4642	0.0714	0.0000	303.9639

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1800	1.1391	2.7234	6.5800e-003	0.1887	0.0282	0.2169	0.0539	0.0259	0.0798	0.0000	558.6283	558.6283	3.8400e-003	0.0000	558.7089
Worker	0.3364	0.4814	5.0777	0.0203	1.6485	0.0130	1.6615	0.4378	0.0120	0.4498	0.0000	1,246.7544	1,246.7544	0.0541	0.0000	1,247.8906
Total	0.5164	1.6206	7.8011	0.0269	1.8372	0.0412	1.8784	0.4917	0.0380	0.5296	0.0000	1,805.3827	1,805.3827	0.0579	0.0000	1,806.5995

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1144	1.0424	1.3484	2.2600e-003		0.0441	0.0441		0.0415	0.0415	0.0000	194.0058	194.0058	0.0455	0.0000	194.9620
Total	0.1144	1.0424	1.3484	2.2600e-003		0.0441	0.0441		0.0415	0.0415	0.0000	194.0058	194.0058	0.0455	0.0000	194.9620

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1132	0.7253	1.7149	4.2200e-003	0.1210	0.0182	0.1392	0.0345	0.0167	0.0513	0.0000	358.2136	358.2136	2.4700e-003	0.0000	358.2655
Worker	0.2058	0.2936	3.1049	0.0130	1.0571	8.3400e-003	1.0654	0.2807	7.7400e-003	0.2885	0.0000	789.2840	789.2840	0.0336	0.0000	789.9896
Total	0.3190	1.0189	4.8198	0.0172	1.1781	0.0265	1.2046	0.3153	0.0245	0.3397	0.0000	1,147.4976	1,147.4976	0.0361	0.0000	1,148.2551

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0422	0.2156	1.4755	2.2600e-003		6.6000e-003	6.6000e-003		6.6000e-003	6.6000e-003	0.0000	194.0056	194.0056	0.0455	0.0000	194.9618
Total	0.0422	0.2156	1.4755	2.2600e-003		6.6000e-003	6.6000e-003		6.6000e-003	6.6000e-003	0.0000	194.0056	194.0056	0.0455	0.0000	194.9618

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1132	0.7253	1.7149	4.2200e-003	0.1210	0.0182	0.1392	0.0345	0.0167	0.0513	0.0000	358.2136	358.2136	2.4700e-003	0.0000	358.2655
Worker	0.2058	0.2936	3.1049	0.0130	1.0571	8.3400e-003	1.0654	0.2807	7.7400e-003	0.2885	0.0000	789.2840	789.2840	0.0336	0.0000	789.9896
Total	0.3190	1.0189	4.8198	0.0172	1.1781	0.0265	1.2046	0.3153	0.0245	0.3397	0.0000	1,147.4976	1,147.4976	0.0361	0.0000	1,148.2551

3.5 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.5776					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0203	0.1394	0.1796	2.9000e-004		8.0900e-003	8.0900e-003		8.0900e-003	8.0900e-003	0.0000	25.2772	25.2772	1.6500e-003	0.0000	25.3118
Total	1.5978	0.1394	0.1796	2.9000e-004		8.0900e-003	8.0900e-003		8.0900e-003	8.0900e-003	0.0000	25.2772	25.2772	1.6500e-003	0.0000	25.3118

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0563	0.0815	0.8554	3.0500e-003	0.2487	1.9400e-003	0.2507	0.0661	1.8000e-003	0.0679	0.0000	192.7433	192.7433	8.7300e-003	0.0000	192.9266
Total	0.0563	0.0815	0.8554	3.0500e-003	0.2487	1.9400e-003	0.2507	0.0661	1.8000e-003	0.0679	0.0000	192.7433	192.7433	8.7300e-003	0.0000	192.9266

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.5776					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9400e-003	0.0128	0.1814	2.9000e-004		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	25.2772	25.2772	1.6500e-003	0.0000	25.3117
Total	1.5805	0.0128	0.1814	2.9000e-004		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	25.2772	25.2772	1.6500e-003	0.0000	25.3117

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0563	0.0815	0.8554	3.0500e-003	0.2487	1.9400e-003	0.2507	0.0661	1.8000e-003	0.0679	0.0000	192.7433	192.7433	8.7300e-003	0.0000	192.9266

Total	0.0563	0.0815	0.8554	3.0500e-003	0.2487	1.9400e-003	0.2507	0.0661	1.8000e-003	0.0679	0.0000	192.7433	192.7433	8.7300e-003	0.0000	192.9266

3.5 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.0715					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0249	0.1694	0.2355	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2340
Total	2.0965	0.1694	0.2355	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2340

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0701	0.1007	1.0582	4.0000e-003	0.3266	2.5400e-003	0.3292	0.0867	2.3600e-003	0.0891	0.0000	249.1973	249.1973	0.0110	0.0000	249.4286
Total	0.0701	0.1007	1.0582	4.0000e-003	0.3266	2.5400e-003	0.3292	0.0867	2.3600e-003	0.0891	0.0000	249.1973	249.1973	0.0110	0.0000	249.4286

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.0715					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8600e-003	0.0167	0.2382	3.9000e-004		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2340
Total	2.0754	0.0167	0.2382	3.9000e-004		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2340

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0701	0.1007	1.0582	4.0000e-003	0.3266	2.5400e-003	0.3292	0.0867	2.3600e-003	0.0891	0.0000	249.1973	249.1973	0.0110	0.0000	249.4286
Total	0.0701	0.1007	1.0582	4.0000e-003	0.3266	2.5400e-003	0.3292	0.0867	2.3600e-003	0.0891	0.0000	249.1973	249.1973	0.0110	0.0000	249.4286

3.5 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Archit. Coating	2.0875					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4872
Total	2.1111	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4872

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0672	0.0961	1.0138	4.0600e-003	0.3291	2.5900e-003	0.3317	0.0874	2.4000e-003	0.0898	0.0000	248.9161	248.9161	0.0108	0.0000	249.1429
Total	0.0672	0.0961	1.0138	4.0600e-003	0.3291	2.5900e-003	0.3317	0.0874	2.4000e-003	0.0898	0.0000	248.9161	248.9161	0.0108	0.0000	249.1429

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.0875					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8900e-003	0.0169	0.2401	3.9000e-004		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4871
Total	2.0914	0.0169	0.2401	3.9000e-004		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4871

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0672	0.0961	1.0138	4.0600e-003	0.3291	2.5900e-003	0.3317	0.0874	2.4000e-003	0.0898	0.0000	248.9161	248.9161	0.0108	0.0000	249.1429
Total	0.0672	0.0961	1.0138	4.0600e-003	0.3291	2.5900e-003	0.3317	0.0874	2.4000e-003	0.0898	0.0000	248.9161	248.9161	0.0108	0.0000	249.1429

3.5 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3385					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0144	0.0962	0.1520	2.5000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003	0.0000	21.4473	21.4473	1.1700e-003	0.0000	21.4719
Total	1.3529	0.0962	0.1520	2.5000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003	0.0000	21.4473	21.4473	1.1700e-003	0.0000	21.4719

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0411	0.0586	0.6199	2.6000e-003	0.2110	1.6700e-003	0.2127	0.0561	1.5500e-003	0.0576	0.0000	157.5816	157.5816	6.7100e-003	0.0000	157.7224
Total	0.0411	0.0586	0.6199	2.6000e-003	0.2110	1.6700e-003	0.2127	0.0561	1.5500e-003	0.0576	0.0000	157.5816	157.5816	6.7100e-003	0.0000	157.7224

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3385					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5000e-003	0.0108	0.1539	2.5000e-004		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	21.4473	21.4473	1.1700e-003	0.0000	21.4719
Total	1.3410	0.0108	0.1539	2.5000e-004		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	21.4473	21.4473	1.1700e-003	0.0000	21.4719

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0411	0.0586	0.6199	2.6000e-003	0.2110	1.6700e-003	0.2127	0.0561	1.5500e-003	0.0576	0.0000	157.5816	157.5816	6.7100e-003	0.0000	157.7224
Total	0.0411	0.0586	0.6199	2.6000e-003	0.2110	1.6700e-003	0.2127	0.0561	1.5500e-003	0.0576	0.0000	157.5816	157.5816	6.7100e-003	0.0000	157.7224

3.6 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0372	0.3495	0.5925	9.3000e-004		0.0171	0.0171		0.0157	0.0157	0.0000	81.3124	81.3124	0.0263	0.0000	81.8646
Paving	0.0131					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0503	0.3495	0.5925	9.3000e-004		0.0171	0.0171		0.0157	0.0157	0.0000	81.3124	81.3124	0.0263	0.0000	81.8646

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3300e-003	1.9000e-003	0.0201	8.0000e-005	6.8300e-003	5.0000e-005	6.8800e-003	1.8100e-003	5.0000e-005	1.8600e-003	0.0000	5.0995	5.0995	2.2000e-004	0.0000	5.1041
Total	1.3300e-003	1.9000e-003	0.0201	8.0000e-005	6.8300e-003	5.0000e-005	6.8800e-003	1.8100e-003	5.0000e-005	1.8600e-003	0.0000	5.0995	5.0995	2.2000e-004	0.0000	5.1041

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0114	0.0494	0.7025	9.3000e-004		1.5200e-003	1.5200e-003		1.5200e-003	1.5200e-003	0.0000	81.3123	81.3123	0.0263	0.0000	81.8646
Paving	0.0131					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0245	0.0494	0.7025	9.3000e-004		1.5200e-003	1.5200e-003		1.5200e-003	1.5200e-003	0.0000	81.3123	81.3123	0.0263	0.0000	81.8646

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3300e-003	1.9000e-003	0.0201	8.0000e-005	6.8300e-003	5.0000e-005	6.8800e-003	1.8100e-003	5.0000e-005	1.8600e-003	0.0000	5.0995	5.0995	2.2000e-004	0.0000	5.1041
Total	1.3300e-003	1.9000e-003	0.0201	8.0000e-005	6.8300e-003	5.0000e-005	6.8800e-003	1.8100e-003	5.0000e-005	1.8600e-003	0.0000	5.0995	5.0995	2.2000e-004	0.0000	5.1041

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
Retirement Community	0.00	0.00	0.00		
Single Family Housing	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11
Retirement Community	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.500116	0.060136	0.182997	0.141937	0.043982	0.006974	0.016541	0.035595	0.002005	0.002529	0.004193	0.000558	0.002437

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Regional Shopping Center	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Retirement Community	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Retirement Community	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0	0.0000	0.0000	0.0000	0.0000
Retirement Community	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0	0.0000	0.0000	0.0000	0.0000

Retirement Community	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	7.2940	0.1526	13.2513	7.0000e-004		0.0735	0.0735		0.0735	0.0735	0.0000	21.6669	21.6669	0.0208	0.0000	22.1027
Unmitigated	7.2940	0.1526	13.2513	7.0000e-004		0.0735	0.0735		0.0735	0.0735	0.0000	21.6669	21.6669	0.0208	0.0000	22.1027

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.8960					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Landscaping	0.3980	0.1526	13.2513	7.0000e-004		0.0735	0.0735		0.0735	0.0735	0.0000	21.6669	21.6669	0.0208	0.0000	22.1027
Total	7.2940	0.1526	13.2513	7.0000e-004		0.0735	0.0735		0.0735	0.0735	0.0000	21.6669	21.6669	0.0208	0.0000	22.1027

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.8960					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.3980	0.1526	13.2513	7.0000e-004		0.0735	0.0735		0.0735	0.0735	0.0000	21.6669	21.6669	0.0208	0.0000	22.1027
Total	7.2940	0.1526	13.2513	7.0000e-004		0.0735	0.0735		0.0735	0.0735	0.0000	21.6669	21.6669	0.0208	0.0000	22.1027

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0 / 0	0.0000	0.0000	0.0000	0.0000
Retirement Community	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000

Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0 / 0	0.0000	0.0000	0.0000	0.0000
Retirement Community	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000

City Park	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0	0.0000	0.0000	0.0000	0.0000
Retirement Community	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0	0.0000	0.0000	0.0000	0.0000
Retirement Community	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Rancho San Gorgonio Specific Plan - Phase 5 - Construction

South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	25.70	Acre	25.70	0.00	0
Apartments Low Rise	443.00	Dwelling Unit	27.69	443,000.00	1267
Single Family Housing	272.00	Dwelling Unit	88.31	489,600.00	778

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2030
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	630.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Actual opening year is 2029, used 2030 as there are no choices between 2025 and 2030.

Land Use - No buildings in the community parks (represented by Other Non-Asphalt Surfaces).

Construction Phase - Construction will be completed by 2029, assume architectural coatings applied during building construction.

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Trips and VMT -

Grading -

Architectural Coating -

Vehicle Trips - No operations

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - no operations

Consumer Products - no operations

Area Coating - no operations

Landscape Equipment - no operations

Energy Use - no operations

Water And Wastewater - no operations

Solid Waste - no operations

Construction Off-road Equipment Mitigation - Dust control measures as required by SCAQMD Rule 403.

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	220.00	472.00
tblConstructionPhase	NumDays	3,100.00	625.00
tblConstructionPhase	NumDays	310.00	62.00
tblConstructionPhase	NumDays	220.00	44.00
tblConstructionPhase	NumDays	120.00	24.00
tblConstructionPhase	PhaseEndDate	4/14/2031	6/21/2029
tblConstructionPhase	PhaseEndDate	8/22/2029	8/22/2030
tblConstructionPhase	PhaseStartDate	6/22/2029	9/1/2027
tblConstructionPhase	PhaseStartDate	6/22/2029	6/22/2030
tblEnergyUse	LightingElect	810.36	0.00
tblEnergyUse	LightingElect	1,608.84	0.00
tblEnergyUse	NT24E	2,630.88	0.00
tblEnergyUse	NT24E	5,089.81	0.00
tblEnergyUse	NT24NG	2,498.00	0.00
tblEnergyUse	NT24NG	5,950.14	0.00
tblEnergyUse	T24E	636.58	0.00
tblEnergyUse	T24E	980.99	0.00
tblEnergyUse	T24NG	11,224.20	0.00
tblEnergyUse	T24NG	27,816.78	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00

tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	376.55	0.00
tblFireplaces	NumberGas	231.20	0.00
tblFireplaces	NumberNoFireplace	44.30	0.00
tblFireplaces	NumberNoFireplace	27.20	0.00
tblFireplaces	NumberWood	22.15	0.00
tblFireplaces	NumberWood	13.60	0.00
tblLandUse	LandUseSquareFeet	1,119,492.00	0.00
tblProjectCharacteristics	OperationalYear	2014	2030
tblSolidWaste	SolidWasteGenerationRate	203.78	0.00
tblSolidWaste	SolidWasteGenerationRate	318.98	0.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	10.08	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	8.77	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	9.57	0.00
tblWater	IndoorWaterUseRate	28,863,233.35	0.00
tblWater	IndoorWaterUseRate	17,721,894.97	0.00
tblWater	OutdoorWaterUseRate	18,196,386.24	0.00
tblWater	OutdoorWaterUseRate	11,172,499.00	0.00
tblWoodstoves	NumberCatalytic	22.15	0.00
tblWoodstoves	NumberCatalytic	13.60	0.00
tblWoodstoves	NumberNoncatalytic	22.15	0.00
tblWoodstoves	NumberNoncatalytic	13.60	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00

tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2026	3.0452	27.3123	32.0178	0.0646	18.2675	1.1884	19.2983	9.9840	1.0934	10.9325	0.0000	6,170.1088	6,170.1088	1.9423	0.0000	6,210.8968
2027	18.4153	27.3101	39.2814	0.1172	8.8969	1.1885	10.0853	3.6558	1.0934	4.7492	0.0000	9,007.3339	9,007.3339	1.9421	0.0000	9,048.1178
2028	18.3688	17.3214	38.6839	0.1172	6.0641	0.6872	6.7514	1.6176	0.6476	2.2652	0.0000	8,967.8727	8,967.8727	0.8004	0.0000	8,984.6816
2029	18.3230	17.2622	38.0922	0.1172	6.0642	0.6874	6.7516	1.6176	0.6478	2.2654	0.0000	8,933.8009	8,933.8009	0.7962	0.0000	8,950.5215
2030	1.3821	7.0130	15.9529	0.0296	0.1677	0.3247	0.4924	0.0445	0.3246	0.3691	0.0000	2,736.3439	2,736.3439	0.1270	0.0000	2,739.0099
Total	59.5343	96.2190	164.0281	0.4459	39.4603	4.0763	43.3790	16.9195	3.8068	20.5813	0.0000	35,815.4601	35,815.4601	5.6080	0.0000	35,933.2276

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2026	0.7994	3.3294	35.4449	0.0646	7.2470	0.1026	7.3120	3.9263	0.1025	3.9912	0.0000	6,170.1088	6,170.1088	1.9423	0.0000	6,210.8968

2027	17.4151	6.5341	40.8187	0.1172	6.0641	0.1935	6.2577	1.6176	0.1850	1.8026	0.0000	9,007.3339	9,007.3339	1.9421	0.0000	9,048.1178
2028	17.3687	6.4620	40.2212	0.1172	6.0641	0.1933	6.2574	1.6176	0.1848	1.8023	0.0000	8,967.8727	8,967.8727	0.8004	0.0000	8,984.6816
2029	17.3228	6.4027	39.6295	0.1172	6.0642	0.1935	6.2576	1.6176	0.1849	1.8025	0.0000	8,933.8009	8,933.8009	0.7962	0.0000	8,950.5215
2030	0.3017	1.2225	17.3613	0.0296	0.1677	0.0379	0.2056	0.0445	0.0378	0.0823	0.0000	2,736.3439	2,736.3439	0.1270	0.0000	2,739.0099
Total	53.2076	23.9507	173.4757	0.4459	25.6071	0.7208	26.2903	8.8235	0.6950	9.4809	0.0000	35,815.4601	35,815.4601	5.6080	0.0000	35,933.2276

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	10.63	75.11	-5.76	0.00	35.11	82.32	39.39	47.85	81.74	53.93	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	20.2254	0.6783	58.8351	3.1200e-003		0.3271	0.3271		0.3271	0.3271	0.0000	106.2205	106.2205	0.1012	0.0000	108.3459
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	20.2254	0.6783	58.8351	3.1200e-003	0.0000	0.3271	0.3271	0.0000	0.3271	0.3271	0.0000	106.2205	106.2205	0.1012	0.0000	108.3459

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Area	20.2254	0.6783	58.8351	3.1200e-003		0.3271	0.3271		0.3271	0.3271	0.0000	106.2205	106.2205	0.1012	0.0000	108.3459
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	20.2254	0.6783	58.8351	3.1200e-003	0.0000	0.3271	0.3271	0.0000	0.3271	0.3271	0.0000	106.2205	106.2205	0.1012	0.0000	108.3459

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	10/1/2026	11/3/2026	5	24	
2	Grading	Grading	11/4/2026	1/28/2027	5	62	
3	Building Construction	Building Construction	1/29/2027	6/21/2029	5	625	
4	Architectural Coating	Architectural Coating	9/1/2027	6/21/2029	5	472	
5	Paving	Paving	6/22/2030	8/22/2030	5	44	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 155

Acres of Paving: 0

Residential Indoor: 1,888,515; Residential Outdoor: 629,505; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor

Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	417.00	76.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	83.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.5083	23.5257	24.8879	0.0392		1.0293	1.0293		0.9470	0.9470		3,793.8403	3,793.8403	1.2270		3,819.6074
Total	2.5083	23.5257	24.8879	0.0392	18.0663	1.0293	19.0956	9.9307	0.9470	10.8776		3,793.8403	3,793.8403	1.2270		3,819.6074

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0387	0.0465	0.5996	2.5600e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		168.9806	168.9806	6.7200e-003		169.1218
Total	0.0387	0.0465	0.5996	2.5600e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		168.9806	168.9806	6.7200e-003		169.1218

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.4757	2.0615	21.2415	0.0392		0.0634	0.0634		0.0634	0.0634	0.0000	3,793.8403	3,793.8403	1.2270		3,819.6074
Total	0.4757	2.0615	21.2415	0.0392	7.0458	0.0634	7.1093	3.8730	0.0634	3.9364	0.0000	3,793.8403	3,793.8403	1.2270		3,819.6074

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0387	0.0465	0.5996	2.5600e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		168.9806	168.9806	6.7200e-003		169.1218
Total	0.0387	0.0465	0.5996	2.5600e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		168.9806	168.9806	6.7200e-003		169.1218

3.3 Grading - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.0022	27.2606	31.3515	0.0618		1.1867	1.1867		1.0918	1.0918		5,982.3526	5,982.3526	1.9348		6,022.9837
Total	3.0022	27.2606	31.3515	0.0618	8.6733	1.1867	9.8600	3.5965	1.0918	4.6883		5,982.3526	5,982.3526	1.9348		6,022.9837

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0430	0.0516	0.6662	2.8400e-003	0.2236	1.7400e-003	0.2253	0.0593	1.6200e-003	0.0609		187.7562	187.7562	7.4700e-003		187.9131
Total	0.0430	0.0516	0.6662	2.8400e-003	0.2236	1.7400e-003	0.2253	0.0593	1.6200e-003	0.0609		187.7562	187.7562	7.4700e-003		187.9131

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000			0.0000
Off-Road	0.7564	3.2778	34.7787	0.0618		0.1009	0.1009		0.1009	0.1009	0.0000	5,982.3526	5,982.3526	1.9348		6,022.9837
Total	0.7564	3.2778	34.7787	0.0618	3.3826	0.1009	3.4835	1.4026	0.1009	1.5035	0.0000	5,982.3526	5,982.3526	1.9348		6,022.9837

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0430	0.0516	0.6662	2.8400e-003	0.2236	1.7400e-003	0.2253	0.0593	1.6200e-003	0.0609		187.7562	187.7562	7.4700e-003		187.9131
Total	0.0430	0.0516	0.6662	2.8400e-003	0.2236	1.7400e-003	0.2253	0.0593	1.6200e-003	0.0609		187.7562	187.7562	7.4700e-003		187.9131

3.3 Grading - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.0022	27.2606	31.3515	0.0618		1.1867	1.1867		1.0918	1.0918		5,982.3526	5,982.3526	1.9348		6,022.9837
Total	3.0022	27.2606	31.3515	0.0618	8.6733	1.1867	9.8600	3.5965	1.0918	4.6883		5,982.3526	5,982.3526	1.9348		6,022.9837

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0411	0.0495	0.6410	2.8400e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6200e-003	0.0609		185.9218	185.9218	7.2700e-003		186.0746
Total	0.0411	0.0495	0.6410	2.8400e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6200e-003	0.0609		185.9218	185.9218	7.2700e-003		186.0746

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000			0.0000
Off-Road	0.7564	3.2778	34.7787	0.0618		0.1009	0.1009		0.1009	0.1009	0.0000	5,982.3526	5,982.3526	1.9348		6,022.9837
Total	0.7564	3.2778	34.7787	0.0618	3.3826	0.1009	3.4835	1.4026	0.1009	1.5035	0.0000	5,982.3526	5,982.3526	1.9348		6,022.9837

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0411	0.0495	0.6410	2.8400e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6200e-003	0.0609		185.9218	185.9218	7.2700e-003		186.0746
Total	0.0411	0.0495	0.6410	2.8400e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6200e-003	0.0609		185.9218	185.9218	7.2700e-003		186.0746

3.4 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4003	2.6007	5.3957	0.0164	0.4753	0.0672	0.5425	0.1354	0.0619	0.1973		1,531.9494	1,531.9494	0.0101		1,532.1605
Worker	0.8577	1.0322	13.3647	0.0593	4.6611	0.0365	4.6976	1.2361	0.0339	1.2700		3,876.4703	3,876.4703	0.1517		3,879.6556
Total	1.2580	3.6329	18.7604	0.0756	5.1364	0.1037	5.2401	1.3715	0.0957	1.4672		5,408.4197	5,408.4197	0.1617		5,411.8160

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5025	2.5670	17.5658	0.0269		0.0786	0.0786		0.0786	0.0786	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	0.5025	2.5670	17.5658	0.0269		0.0786	0.0786		0.0786	0.0786	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4003	2.6007	5.3957	0.0164	0.4753	0.0672	0.5425	0.1354	0.0619	0.1973		1,531.9494	1,531.9494	0.0101		1,532.1605
Worker	0.8577	1.0322	13.3647	0.0593	4.6611	0.0365	4.6976	1.2361	0.0339	1.2700		3,876.4703	3,876.4703	0.1517		3,879.6556
Total	1.2580	3.6329	18.7604	0.0756	5.1364	0.1037	5.2401	1.3715	0.0957	1.4672		5,408.4197	5,408.4197	0.1617		5,411.8160

3.4 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3954	2.5764	5.3467	0.0164	0.4753	0.0668	0.5421	0.1354	0.0615	0.1969		1,531.9325	1,531.9325	0.0100		1,532.1425
Worker	0.8230	0.9923	12.9072	0.0593	4.6611	0.0366	4.6977	1.2361	0.0340	1.2701		3,843.5738	3,843.5738	0.1481		3,846.6833
Total	1.2185	3.5687	18.2539	0.0756	5.1364	0.1034	5.2398	1.3715	0.0955	1.4670		5,375.5062	5,375.5062	0.1581		5,378.8258

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5025	2.5670	17.5658	0.0269		0.0786	0.0786		0.0786	0.0786	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

Total	0.5025	2.5670	17.5658	0.0269		0.0786	0.0786		0.0786	0.0786	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3954	2.5764	5.3467	0.0164	0.4753	0.0668	0.5421	0.1354	0.0615	0.1969		1,531.9325	1,531.9325	0.0100		1,532.1425
Worker	0.8230	0.9923	12.9072	0.0593	4.6611	0.0366	4.6977	1.2361	0.0340	1.2701		3,843.5738	3,843.5738	0.1481		3,846.6833
Total	1.2185	3.5687	18.2539	0.0756	5.1364	0.1034	5.2398	1.3715	0.0955	1.4670		5,375.5062	5,375.5062	0.1581		5,378.8258

3.4 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3914	2.5642	5.2950	0.0163	0.4753	0.0669	0.5422	0.1354	0.0616	0.1970		1,531.9574	1,531.9574	0.0100		1,532.1677
Worker	0.7881	0.9532	12.4569	0.0593	4.6611	0.0367	4.6978	1.2361	0.0341	1.2702		3,815.1371	3,815.1371	0.1446		3,818.1728
Total	1.1796	3.5173	17.7519	0.0756	5.1364	0.1036	5.2400	1.3715	0.0956	1.4672		5,347.0945	5,347.0945	0.1546		5,350.3405

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5025	2.5670	17.5658	0.0269		0.0786	0.0786		0.0786	0.0786	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	0.5025	2.5670	17.5658	0.0269		0.0786	0.0786		0.0786	0.0786	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3914	2.5642	5.2950	0.0163	0.4753	0.0669	0.5422	0.1354	0.0616	0.1970	1,531.9574	1,531.9574	0.0100	1,532.1677	
Worker	0.7881	0.9532	12.4569	0.0593	4.6611	0.0367	4.6978	1.2361	0.0341	1.2702	3,815.1371	3,815.1371	0.1446	3,818.1728	
Total	1.1796	3.5173	17.7519	0.0756	5.1364	0.1036	5.2400	1.3715	0.0956	1.4672	5,347.0945	5,347.0945	0.1546	5,350.3405	

3.5 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.4542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705
Total	15.6251	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.1707	0.2055	2.6601	0.0118	0.9277	7.2600e-003	0.9350	0.2460	6.7400e-003	0.2528		771.5756	771.5756	0.0302		772.2096
Total	0.1707	0.2055	2.6601	0.0118	0.9277	7.2600e-003	0.9350	0.2460	6.7400e-003	0.2528		771.5756	771.5756	0.0302		772.2096

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.4542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.7705
Total	15.4839	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.7705

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1707	0.2055	2.6601	0.0118	0.9277	7.2600e-003	0.9350	0.2460	6.7400e-003	0.2528		771.5756	771.5756	0.0302		772.2096
Total	0.1707	0.2055	2.6601	0.0118	0.9277	7.2600e-003	0.9350	0.2460	6.7400e-003	0.2528		771.5756	771.5756	0.0302		772.2096

3.5 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.4542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705
Total	15.6251	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1638	0.1975	2.5691	0.0118	0.9277	7.2900e-003	0.9350	0.2460	6.7600e-003	0.2528		765.0279	765.0279	0.0295		765.6468
Total	0.1638	0.1975	2.5691	0.0118	0.9277	7.2900e-003	0.9350	0.2460	6.7600e-003	0.2528		765.0279	765.0279	0.0295		765.6468

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day				
Archit. Coating	15.4542					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154	281.7705
Total	15.4839	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154	281.7705

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1638	0.1975	2.5691	0.0118	0.9277	7.2900e-003	0.9350	0.2460	6.7600e-003	0.2528		765.0279	765.0279	0.0295		765.6468
Total	0.1638	0.1975	2.5691	0.0118	0.9277	7.2900e-003	0.9350	0.2460	6.7600e-003	0.2528		765.0279	765.0279	0.0295		765.6468

3.5 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.4542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705

Total	15.6251	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1569	0.1897	2.4794	0.0118	0.9277	7.3100e-003	0.9351	0.2460	6.7800e-003	0.2528		759.3678	759.3678	0.0288		759.9720
Total	0.1569	0.1897	2.4794	0.0118	0.9277	7.3100e-003	0.9351	0.2460	6.7800e-003	0.2528		759.3678	759.3678	0.0288		759.9720

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.4542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.7705
Total	15.4839	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.7705

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1569	0.1897	2.4794	0.0118	0.9277	7.3100e-003	0.9351	0.2460	6.7800e-003	0.2528		759.3678	759.3678	0.0288		759.9720
Total	0.1569	0.1897	2.4794	0.0118	0.9277	7.3100e-003	0.9351	0.2460	6.7800e-003	0.2528		759.3678	759.3678	0.0288		759.9720

3.6 Paving - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3549	6.9800	15.5192	0.0275		0.3234	0.3234		0.3234	0.3234		2,599.9866	2,599.9866	0.1219		2,602.5460
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3549	6.9800	15.5192	0.0275		0.3234	0.3234		0.3234	0.3234		2,599.9866	2,599.9866	0.1219		2,602.5460

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0272	0.0330	0.4337	2.1300e-003	0.1677	1.3200e-003	0.1690	0.0445	1.2300e-003	0.0457		136.3573	136.3573	5.0800e-003		136.4640
Total	0.0272	0.0330	0.4337	2.1300e-003	0.1677	1.3200e-003	0.1690	0.0445	1.2300e-003	0.0457		136.3573	136.3573	5.0800e-003		136.4640

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2745	1.1895	16.9276	0.0275		0.0366	0.0366		0.0366	0.0366	0.0000	2,599.9866	2,599.9866	0.1219		2,602.5460
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2745	1.1895	16.9276	0.0275		0.0366	0.0366		0.0366	0.0366	0.0000	2,599.9866	2,599.9866	0.1219		2,602.5460

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0272	0.0330	0.4337	2.1300e-003	0.1677	1.3200e-003	0.1690	0.0445	1.2300e-003	0.0457		136.3573	136.3573	5.0800e-003		136.4640

Total	0.0272	0.0330	0.4337	2.1300e-003	0.1677	1.3200e-003	0.1690	0.0445	1.2300e-003	0.0457		136.3573	136.3573	5.0800e-003		136.4640

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.491224	0.060821	0.184988	0.143129	0.045158	0.007219	0.016964	0.038507	0.002073	0.002552	0.004110	0.000541	0.002713

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	20.2254	0.6783	58.8351	3.1200e-003		0.3271	0.3271		0.3271	0.3271	0.0000	106.2205	106.2205	0.1012	0.0000	108.3459
Unmitigated	20.2254	0.6783	58.8351	3.1200e-003		0.3271	0.3271		0.3271	0.3271	0.0000	106.2205	106.2205	0.1012	0.0000	108.3459

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	18.4655					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.7600	0.6783	58.8351	3.1200e-003		0.3271	0.3271		0.3271	0.3271		106.2205	106.2205	0.1012		108.3459
Total	20.2254	0.6783	58.8351	3.1200e-003		0.3271	0.3271		0.3271	0.3271	0.0000	106.2205	106.2205	0.1012	0.0000	108.3459

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	18.4655					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.7600	0.6783	58.8351	3.1200e-003		0.3271	0.3271		0.3271	0.3271		106.2205	106.2205	0.1012		108.3459
Total	20.2254	0.6783	58.8351	3.1200e-003		0.3271	0.3271		0.3271	0.3271	0.0000	106.2205	106.2205	0.1012	0.0000	108.3459

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Rancho San Gorgonio Specific Plan - Phase 5 - Construction

South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	25.70	Acre	25.70	0.00	0
Apartments Low Rise	443.00	Dwelling Unit	27.69	443,000.00	1267
Single Family Housing	272.00	Dwelling Unit	88.31	489,600.00	778

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10	Operational Year	2030		
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	630.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Actual opening year is 2029, used 2030 as there are no choices between 2025 and 2030.

Land Use - No buildings in the community parks (represented by Other Non-Asphalt Surfaces).

Construction Phase - Construction will be completed by 2029, assume architectural coatings applied during building construction.

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Trips and VMT -

Grading -

Architectural Coating -

Vehicle Trips - No operations

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - no operations

Consumer Products - no operations

Area Coating - no operations

Landscape Equipment - no operations

Energy Use - no operations

Water And Wastewater - no operations

Solid Waste - no operations

Construction Off-road Equipment Mitigation - Dust control measures as required by SCAQMD Rule 403.

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	220.00	472.00
tblConstructionPhase	NumDays	3,100.00	625.00
tblConstructionPhase	NumDays	310.00	62.00
tblConstructionPhase	NumDays	220.00	44.00
tblConstructionPhase	NumDays	120.00	24.00
tblConstructionPhase	PhaseEndDate	4/14/2031	6/21/2029
tblConstructionPhase	PhaseEndDate	8/22/2029	8/22/2030
tblConstructionPhase	PhaseStartDate	6/22/2029	9/1/2027
tblConstructionPhase	PhaseStartDate	6/22/2029	6/22/2030
tblEnergyUse	LightingElect	810.36	0.00
tblEnergyUse	LightingElect	1,608.84	0.00
tblEnergyUse	NT24E	2,630.88	0.00
tblEnergyUse	NT24E	5,089.81	0.00
tblEnergyUse	NT24NG	2,498.00	0.00
tblEnergyUse	NT24NG	5,950.14	0.00
tblEnergyUse	T24E	636.58	0.00
tblEnergyUse	T24E	980.99	0.00
tblEnergyUse	T24NG	11,224.20	0.00
tblEnergyUse	T24NG	27,816.78	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00

tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	376.55	0.00
tblFireplaces	NumberGas	231.20	0.00
tblFireplaces	NumberNoFireplace	44.30	0.00
tblFireplaces	NumberNoFireplace	27.20	0.00
tblFireplaces	NumberWood	22.15	0.00
tblFireplaces	NumberWood	13.60	0.00
tblLandUse	LandUseSquareFeet	1,119,492.00	0.00
tblProjectCharacteristics	OperationalYear	2014	2030
tblSolidWaste	SolidWasteGenerationRate	203.78	0.00
tblSolidWaste	SolidWasteGenerationRate	318.98	0.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	10.08	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	8.77	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	9.57	0.00
tblWater	IndoorWaterUseRate	28,863,233.35	0.00
tblWater	IndoorWaterUseRate	17,721,894.97	0.00
tblWater	OutdoorWaterUseRate	18,196,386.24	0.00
tblWater	OutdoorWaterUseRate	11,172,499.00	0.00
tblWoodstoves	NumberCatalytic	22.15	0.00
tblWoodstoves	NumberCatalytic	13.60	0.00
tblWoodstoves	NumberNoncatalytic	22.15	0.00
tblWoodstoves	NumberNoncatalytic	13.60	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00

tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2026	3.0458	27.3171	31.9517	0.0645	18.2675	1.1884	19.2983	9.9840	1.0934	10.9325	0.0000	6,158.1615	6,158.1615	1.9423	0.0000	6,198.9494
2027	18.4633	27.3147	38.9641	0.1126	8.8969	1.1885	10.0853	3.6558	1.0934	4.7492	0.0000	8,697.9353	8,697.9353	1.9421	0.0000	8,738.7192
2028	18.4157	17.4751	38.3920	0.1125	6.0641	0.6878	6.7519	1.6176	0.6481	2.2657	0.0000	8,660.4026	8,660.4026	0.8009	0.0000	8,677.2204
2029	18.3689	17.4103	37.8212	0.1125	6.0642	0.6880	6.7521	1.6176	0.6483	2.2659	0.0000	8,627.8987	8,627.8987	0.7966	0.0000	8,644.6282
2030	1.3826	7.0160	15.9078	0.0294	0.1677	0.3247	0.4924	0.0445	0.3246	0.3691	0.0000	2,727.5962	2,727.5962	0.1270	0.0000	2,730.2622
Total	59.6764	96.5332	163.0367	0.4315	39.4603	4.0773	43.3800	16.9195	3.8078	20.5822	0.0000	34,871.9943	34,871.9943	5.6088	0.0000	34,989.7795

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2026	0.8001	3.3343	35.3789	0.0645	7.2470	0.1026	7.3120	3.9263	0.1025	3.9912	0.0000	6,158.1615	6,158.1615	1.9423	0.0000	6,198.9494

2027	17.4632	6.6938	40.5014	0.1126	6.0641	0.1941	6.2582	1.6176	0.1855	1.8030	0.0000	8,697.9353	8,697.9353	1.9421	0.0000	8,738.7192
2028	17.4156	6.6156	39.9293	0.1125	6.0641	0.1938	6.2579	1.6176	0.1852	1.8028	0.0000	8,660.4026	8,660.4026	0.8009	0.0000	8,677.2204
2029	17.3688	6.5509	39.3585	0.1125	6.0642	0.1940	6.2581	1.6176	0.1854	1.8030	0.0000	8,627.8987	8,627.8987	0.7966	0.0000	8,644.6282
2030	0.3021	1.2255	17.3162	0.0294	0.1677	0.0379	0.2056	0.0445	0.0378	0.0823	0.0000	2,727.5962	2,727.5962	0.1270	0.0000	2,730.2622
Total	53.3497	24.4200	172.4843	0.4315	25.6071	0.7223	26.2919	8.8235	0.6964	9.4823	0.0000	34,871.9943	34,871.9943	5.6088	0.0000	34,989.7795

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	10.60	74.70	-5.79	0.00	35.11	82.28	39.39	47.85	81.71	53.93	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	20.2254	0.6783	58.8351	3.1200e-003		0.3271	0.3271		0.3271	0.3271	0.0000	106.2205	106.2205	0.1012	0.0000	108.3459
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	20.2254	0.6783	58.8351	3.1200e-003	0.0000	0.3271	0.3271	0.0000	0.3271	0.3271	0.0000	106.2205	106.2205	0.1012	0.0000	108.3459

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Area	20.2254	0.6783	58.8351	3.1200e-003		0.3271	0.3271		0.3271	0.3271	0.0000	106.2205	106.2205	0.1012	0.0000	108.3459
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	20.2254	0.6783	58.8351	3.1200e-003	0.0000	0.3271	0.3271	0.0000	0.3271	0.3271	0.0000	106.2205	106.2205	0.1012	0.0000	108.3459

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	10/1/2026	11/3/2026	5	24	
2	Grading	Grading	11/4/2026	1/28/2027	5	62	
3	Building Construction	Building Construction	1/29/2027	6/21/2029	5	625	
4	Architectural Coating	Architectural Coating	9/1/2027	6/21/2029	5	472	
5	Paving	Paving	6/22/2030	8/22/2030	5	44	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 155

Acres of Paving: 0

Residential Indoor: 1,888,515; Residential Outdoor: 629,505; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor

Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	417.00	76.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	83.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.5083	23.5257	24.8879	0.0392		1.0293	1.0293		0.9470	0.9470		3,793.8403	3,793.8403	1.2270		3,819.6074
Total	2.5083	23.5257	24.8879	0.0392	18.0663	1.0293	19.0956	9.9307	0.9470	10.8776		3,793.8403	3,793.8403	1.2270		3,819.6074

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0393	0.0508	0.5402	2.3900e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		158.2280	158.2280	6.7200e-003		158.3692
Total	0.0393	0.0508	0.5402	2.3900e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		158.2280	158.2280	6.7200e-003		158.3692

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.4757	2.0615	21.2415	0.0392		0.0634	0.0634		0.0634	0.0634	0.0000	3,793.8403	3,793.8403	1.2270		3,819.6074
Total	0.4757	2.0615	21.2415	0.0392	7.0458	0.0634	7.1093	3.8730	0.0634	3.9364	0.0000	3,793.8403	3,793.8403	1.2270		3,819.6074

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0393	0.0508	0.5402	2.3900e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		158.2280	158.2280	6.7200e-003		158.3692
Total	0.0393	0.0508	0.5402	2.3900e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		158.2280	158.2280	6.7200e-003		158.3692

3.3 Grading - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.0022	27.2606	31.3515	0.0618		1.1867	1.1867		1.0918	1.0918		5,982.3526	5,982.3526	1.9348		6,022.9837
Total	3.0022	27.2606	31.3515	0.0618	8.6733	1.1867	9.8600	3.5965	1.0918	4.6883		5,982.3526	5,982.3526	1.9348		6,022.9837

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0437	0.0565	0.6002	2.6600e-003	0.2236	1.7400e-003	0.2253	0.0593	1.6200e-003	0.0609		175.8089	175.8089	7.4700e-003		175.9657
Total	0.0437	0.0565	0.6002	2.6600e-003	0.2236	1.7400e-003	0.2253	0.0593	1.6200e-003	0.0609		175.8089	175.8089	7.4700e-003		175.9657

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000			0.0000
Off-Road	0.7564	3.2778	34.7787	0.0618		0.1009	0.1009		0.1009	0.1009	0.0000	5,982.3526	5,982.3526	1.9348		6,022.9837
Total	0.7564	3.2778	34.7787	0.0618	3.3826	0.1009	3.4835	1.4026	0.1009	1.5035	0.0000	5,982.3526	5,982.3526	1.9348		6,022.9837

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0437	0.0565	0.6002	2.6600e-003	0.2236	1.7400e-003	0.2253	0.0593	1.6200e-003	0.0609		175.8089	175.8089	7.4700e-003		175.9657
Total	0.0437	0.0565	0.6002	2.6600e-003	0.2236	1.7400e-003	0.2253	0.0593	1.6200e-003	0.0609		175.8089	175.8089	7.4700e-003		175.9657

3.3 Grading - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.0022	27.2606	31.3515	0.0618		1.1867	1.1867		1.0918	1.0918		5,982.3526	5,982.3526	1.9348		6,022.9837
Total	3.0022	27.2606	31.3515	0.0618	8.6733	1.1867	9.8600	3.5965	1.0918	4.6883		5,982.3526	5,982.3526	1.9348		6,022.9837

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0418	0.0541	0.5766	2.6600e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6200e-003	0.0609		174.0674	174.0674	7.2700e-003		174.2202
Total	0.0418	0.0541	0.5766	2.6600e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6200e-003	0.0609		174.0674	174.0674	7.2700e-003		174.2202

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000			0.0000
Off-Road	0.7564	3.2778	34.7787	0.0618		0.1009	0.1009		0.1009	0.1009	0.0000	5,982.3526	5,982.3526	1.9348		6,022.9837
Total	0.7564	3.2778	34.7787	0.0618	3.3826	0.1009	3.4835	1.4026	0.1009	1.5035	0.0000	5,982.3526	5,982.3526	1.9348		6,022.9837

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0418	0.0541	0.5766	2.6600e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6200e-003	0.0609		174.0674	174.0674	7.2700e-003		174.2202
Total	0.0418	0.0541	0.5766	2.6600e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6200e-003	0.0609		174.0674	174.0674	7.2700e-003		174.2202

3.4 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4318	2.6456	6.6873	0.0162	0.4753	0.0678	0.5431	0.1354	0.0624	0.1977		1,518.9113	1,518.9113	0.0105		1,519.1312
Worker	0.8715	1.1280	12.0228	0.0555	4.6611	0.0365	4.6976	1.2361	0.0339	1.2700		3,629.3057	3,629.3057	0.1517		3,632.4909
Total	1.3033	3.7736	18.7101	0.0717	5.1364	0.1043	5.2406	1.3715	0.0962	1.4677		5,148.2170	5,148.2170	0.1622		5,151.6221

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5025	2.5670	17.5658	0.0269		0.0786	0.0786		0.0786	0.0786	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	0.5025	2.5670	17.5658	0.0269		0.0786	0.0786		0.0786	0.0786	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4318	2.6456	6.6873	0.0162	0.4753	0.0678	0.5431	0.1354	0.0624	0.1977		1,518.9113	1,518.9113	0.0105		1,519.1312
Worker	0.8715	1.1280	12.0228	0.0555	4.6611	0.0365	4.6976	1.2361	0.0339	1.2700		3,629.3057	3,629.3057	0.1517		3,632.4909
Total	1.3033	3.7736	18.7101	0.0717	5.1364	0.1043	5.2406	1.3715	0.0962	1.4677		5,148.2170	5,148.2170	0.1622		5,151.6221

3.4 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4264	2.6202	6.6272	0.0162	0.4753	0.0673	0.5426	0.1354	0.0619	0.1973		1,518.8935	1,518.8935	0.0104		1,519.1125
Worker	0.8364	1.0839	11.5958	0.0555	4.6611	0.0366	4.6977	1.2361	0.0340	1.2701		3,598.0182	3,598.0182	0.1481		3,601.1277
Total	1.2627	3.7041	18.2230	0.0717	5.1364	0.1040	5.2404	1.3715	0.0959	1.4675		5,116.9117	5,116.9117	0.1585		5,120.2402

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5025	2.5670	17.5658	0.0269		0.0786	0.0786		0.0786	0.0786	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

Total	0.5025	2.5670	17.5658	0.0269		0.0786	0.0786		0.0786	0.0786	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4264	2.6202	6.6272	0.0162	0.4753	0.0673	0.5426	0.1354	0.0619	0.1973		1,518.8935	1,518.8935	0.0104		1,519.1125
Worker	0.8364	1.0839	11.5958	0.0555	4.6611	0.0366	4.6977	1.2361	0.0340	1.2701		3,598.0182	3,598.0182	0.1481		3,601.1277
Total	1.2627	3.7041	18.2230	0.0717	5.1364	0.1040	5.2404	1.3715	0.0959	1.4675		5,116.9117	5,116.9117	0.1585		5,120.2402

3.4 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4217	2.6075	6.5602	0.0162	0.4753	0.0674	0.5428	0.1354	0.0620	0.1974		1,518.9178	1,518.9178	0.0104		1,519.1370
Worker	0.8012	1.0406	11.1756	0.0554	4.6611	0.0367	4.6978	1.2361	0.0341	1.2702		3,570.8897	3,570.8897	0.1446		3,573.9254
Total	1.2229	3.6480	17.7359	0.0717	5.1364	0.1041	5.2405	1.3715	0.0961	1.4676		5,089.8075	5,089.8075	0.1550		5,093.0624

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5025	2.5670	17.5658	0.0269		0.0786	0.0786		0.0786	0.0786	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	0.5025	2.5670	17.5658	0.0269		0.0786	0.0786		0.0786	0.0786	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.4217	2.6075	6.5602	0.0162	0.4753	0.0674	0.5428	0.1354	0.0620	0.1974	1,518.9178	1,518.9178	0.0104	1,519.1370	
Worker	0.8012	1.0406	11.1756	0.0554	4.6611	0.0367	4.6978	1.2361	0.0341	1.2702	3,570.8897	3,570.8897	0.1446	3,573.9254	
Total	1.2229	3.6480	17.7359	0.0717	5.1364	0.1041	5.2405	1.3715	0.0961	1.4676	5,089.8075	5,089.8075	0.1550	5,093.0624	

3.5 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.4542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705
Total	15.6251	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.1735	0.2245	2.3930	0.0110	0.9277	7.2600e-003	0.9350	0.2460	6.7400e-003	0.2528		722.3798	722.3798	0.0302		723.0138
Total	0.1735	0.2245	2.3930	0.0110	0.9277	7.2600e-003	0.9350	0.2460	6.7400e-003	0.2528		722.3798	722.3798	0.0302		723.0138

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.4542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.7705
Total	15.4839	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.7705

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1735	0.2245	2.3930	0.0110	0.9277	7.2600e-003	0.9350	0.2460	6.7400e-003	0.2528		722.3798	722.3798	0.0302		723.0138
Total	0.1735	0.2245	2.3930	0.0110	0.9277	7.2600e-003	0.9350	0.2460	6.7400e-003	0.2528		722.3798	722.3798	0.0302		723.0138

3.5 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.4542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705
Total	15.6251	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1665	0.2157	2.3080	0.0110	0.9277	7.2900e-003	0.9350	0.2460	6.7600e-003	0.2528		716.1523	716.1523	0.0295		716.7712
Total	0.1665	0.2157	2.3080	0.0110	0.9277	7.2900e-003	0.9350	0.2460	6.7600e-003	0.2528		716.1523	716.1523	0.0295		716.7712

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day				
Archit. Coating	15.4542					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154	281.7705
Total	15.4839	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154	281.7705

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1665	0.2157	2.3080	0.0110	0.9277	7.2900e-003	0.9350	0.2460	6.7600e-003	0.2528		716.1523	716.1523	0.0295		716.7712
Total	0.1665	0.2157	2.3080	0.0110	0.9277	7.2900e-003	0.9350	0.2460	6.7600e-003	0.2528		716.1523	716.1523	0.0295		716.7712

3.5 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.4542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705

Total	15.6251	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1595	0.2071	2.2244	0.0110	0.9277	7.3100e-003	0.9351	0.2460	6.7800e-003	0.2528		710.7526	710.7526	0.0288		711.3569
Total	0.1595	0.2071	2.2244	0.0110	0.9277	7.3100e-003	0.9351	0.2460	6.7800e-003	0.2528		710.7526	710.7526	0.0288		711.3569

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.4542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.7705
Total	15.4839	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.7705

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1595	0.2071	2.2244	0.0110	0.9277	7.3100e-003	0.9351	0.2460	6.7800e-003	0.2528		710.7526	710.7526	0.0288		711.3569
Total	0.1595	0.2071	2.2244	0.0110	0.9277	7.3100e-003	0.9351	0.2460	6.7800e-003	0.2528		710.7526	710.7526	0.0288		711.3569

3.6 Paving - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3549	6.9800	15.5192	0.0275		0.3234	0.3234		0.3234	0.3234		2,599.9866	2,599.9866	0.1219		2,602.5460
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3549	6.9800	15.5192	0.0275		0.3234	0.3234		0.3234	0.3234		2,599.9866	2,599.9866	0.1219		2,602.5460

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0276	0.0360	0.3886	1.9900e-003	0.1677	1.3200e-003	0.1690	0.0445	1.2300e-003	0.0457		127.6096	127.6096	5.0800e-003		127.7163
Total	0.0276	0.0360	0.3886	1.9900e-003	0.1677	1.3200e-003	0.1690	0.0445	1.2300e-003	0.0457		127.6096	127.6096	5.0800e-003		127.7163

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2745	1.1895	16.9276	0.0275		0.0366	0.0366		0.0366	0.0366	0.0000	2,599.9866	2,599.9866	0.1219		2,602.5460
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2745	1.1895	16.9276	0.0275		0.0366	0.0366		0.0366	0.0366	0.0000	2,599.9866	2,599.9866	0.1219		2,602.5460

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0276	0.0360	0.3886	1.9900e-003	0.1677	1.3200e-003	0.1690	0.0445	1.2300e-003	0.0457		127.6096	127.6096	5.0800e-003		127.7163

Total	0.0276	0.0360	0.3886	1.9900e-003	0.1677	1.3200e-003	0.1690	0.0445	1.2300e-003	0.0457		127.6096	127.6096	5.0800e-003		127.7163

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.491224	0.060821	0.184988	0.143129	0.045158	0.007219	0.016964	0.038507	0.002073	0.002552	0.004110	0.000541	0.002713

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	20.2254	0.6783	58.8351	3.1200e-003		0.3271	0.3271		0.3271	0.3271	0.0000	106.2205	106.2205	0.1012	0.0000	108.3459
Unmitigated	20.2254	0.6783	58.8351	3.1200e-003		0.3271	0.3271		0.3271	0.3271	0.0000	106.2205	106.2205	0.1012	0.0000	108.3459

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	18.4655					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.7600	0.6783	58.8351	3.1200e-003		0.3271	0.3271		0.3271	0.3271		106.2205	106.2205	0.1012		108.3459
Total	20.2254	0.6783	58.8351	3.1200e-003		0.3271	0.3271		0.3271	0.3271	0.0000	106.2205	106.2205	0.1012	0.0000	108.3459

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	18.4655					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.7600	0.6783	58.8351	3.1200e-003		0.3271	0.3271		0.3271	0.3271		106.2205	106.2205	0.1012		108.3459
Total	20.2254	0.6783	58.8351	3.1200e-003		0.3271	0.3271		0.3271	0.3271	0.0000	106.2205	106.2205	0.1012	0.0000	108.3459

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Rancho San Gorgonio Specific Plan - Phase 5 - Construction
South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	25.70	Acre	25.70	0.00	0
Apartments Low Rise	443.00	Dwelling Unit	27.69	443,000.00	1267
Single Family Housing	272.00	Dwelling Unit	88.31	489,600.00	778

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2030
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Actual opening year is 2029, used 2030 as there are no choices between 2025 and 2030.

Land Use - No buildings in the community parks (represented by Other Non-Asphalt Surfaces).

Construction Phase - Construction will be completed by 2029, assume architectural coatings applied during building construction.

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Trips and VMT -

Grading -

Architectural Coating -

Vehicle Trips - No operations

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - no operations

Consumer Products - no operations

Area Coating - no operations

Landscape Equipment - no operations

Energy Use - no operations

Water And Wastewater - no operations

Solid Waste - no operations

Construction Off-road Equipment Mitigation - Dust control measures as required by SCAQMD Rule 403.

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	220.00	472.00
tblConstructionPhase	NumDays	3,100.00	625.00
tblConstructionPhase	NumDays	310.00	62.00
tblConstructionPhase	NumDays	220.00	44.00
tblConstructionPhase	NumDays	120.00	24.00
tblConstructionPhase	PhaseEndDate	4/14/2031	6/21/2029
tblConstructionPhase	PhaseEndDate	8/22/2029	8/22/2030
tblConstructionPhase	PhaseStartDate	6/22/2029	9/1/2027
tblConstructionPhase	PhaseStartDate	6/22/2029	6/22/2030
tblEnergyUse	LightingElect	810.36	0.00
tblEnergyUse	LightingElect	1,608.84	0.00
tblEnergyUse	NT24E	2,630.88	0.00
tblEnergyUse	NT24E	5,089.81	0.00
tblEnergyUse	NT24NG	2,498.00	0.00
tblEnergyUse	NT24NG	5,950.14	0.00
tblEnergyUse	T24E	636.58	0.00
tblEnergyUse	T24E	980.99	0.00
tblEnergyUse	T24NG	11,224.20	0.00
tblEnergyUse	T24NG	27,816.78	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00

tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	376.55	0.00
tblFireplaces	NumberGas	231.20	0.00
tblFireplaces	NumberNoFireplace	44.30	0.00
tblFireplaces	NumberNoFireplace	27.20	0.00
tblFireplaces	NumberWood	22.15	0.00
tblFireplaces	NumberWood	13.60	0.00
tblLandUse	LandUseSquareFeet	1,119,492.00	0.00
tblProjectCharacteristics	OperationalYear	2014	2030
tblSolidWaste	SolidWasteGenerationRate	203.78	0.00
tblSolidWaste	SolidWasteGenerationRate	318.98	0.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	10.08	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	8.77	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	9.57	0.00
tblWater	IndoorWaterUseRate	28,863,233.35	0.00
tblWater	IndoorWaterUseRate	17,721,894.97	0.00
tblWater	OutdoorWaterUseRate	18,196,386.24	0.00
tblWater	OutdoorWaterUseRate	11,172,499.00	0.00
tblWoodstoves	NumberCatalytic	22.15	0.00
tblWoodstoves	NumberCatalytic	13.60	0.00
tblWoodstoves	NumberNoncatalytic	22.15	0.00
tblWoodstoves	NumberNoncatalytic	13.60	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00

tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2026	0.0944	0.8566	0.9767	1.8500e-003	0.4927	0.0373	0.5300	0.2325	0.0343	0.2669	0.0000	160.4214	160.4214	0.0504	0.0000	161.4805
2027	1.0380	2.2945	4.7088	0.0133	0.9188	0.0903	1.0091	0.2852	0.0846	0.3698	0.0000	944.5674	944.5674	0.1025	0.0000	946.7189
2028	2.3842	2.2840	5.0124	0.0148	0.7740	0.0894	0.8633	0.2068	0.0842	0.2910	0.0000	1,030.2756	1,030.2756	0.0944	0.0000	1,032.2583
2029	1.1343	1.0852	2.3546	7.0500e-003	0.3691	0.0426	0.4118	0.0986	0.0402	0.1388	0.0000	489.5084	489.5084	0.0448	0.0000	490.4490
2030	0.0304	0.1544	0.3502	6.5000e-004	3.6200e-003	7.1400e-003	0.0108	9.6000e-004	7.1400e-003	8.1000e-003	0.0000	54.4778	54.4778	2.5300e-003	0.0000	54.5310
Total	4.6813	6.6747	13.4027	0.0376	2.5582	0.2667	2.8249	0.8241	0.2505	1.0745	0.0000	2,679.2505	2,679.2505	0.2946	0.0000	2,685.4378

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2026	0.0229	0.0954	1.0049	1.8500e-003	0.1964	2.9300e-003	0.1993	0.0918	2.9300e-003	0.0947	0.0000	160.4212	160.4212	0.0504	0.0000	161.4803

2027	0.9058	0.8239	4.9265	0.0133	0.7548	0.0235	0.7783	0.2172	0.0225	0.2397	0.0000	944.5670	944.5670	0.1025	0.0000	946.7185
2028	2.2541	0.8723	5.2123	0.0148	0.7740	0.0252	0.7991	0.2068	0.0240	0.2308	0.0000	1,030.275 2	1,030.2752	0.0944	0.0000	1,032.257 9
2029	1.0723	0.4119	2.4499	7.0500e- 003	0.3691	0.0120	0.3811	0.0986	0.0115	0.1101	0.0000	489.5082	489.5082	0.0448	0.0000	490.4488
2030	6.6100e- 003	0.0270	0.3812	6.5000e- 004	3.6200e- 003	8.3000e- 004	4.4500e- 003	9.6000e- 004	8.3000e- 004	1.7900e- 003	0.0000	54.4777	54.4777	2.5300e- 003	0.0000	54.5309
Total	4.2618	2.2305	13.9748	0.0376	2.0979	0.0644	2.1623	0.6154	0.0618	0.6772	0.0000	2,679.249 2	2,679.2492	0.2946	0.0000	2,685.436 5

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	8.96	66.58	-4.27	0.00	17.99	75.84	23.45	25.33	75.32	36.98	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.5900	0.0848	7.3544	3.9000e- 004		0.0409	0.0409		0.0409	0.0409	0.0000	12.0452	12.0452	0.0115	0.0000	12.2862
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.5900	0.0848	7.3544	3.9000e- 004	0.0000	0.0409	0.0409	0.0000	0.0409	0.0409	0.0000	12.0452	12.0452	0.0115	0.0000	12.2862

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.5900	0.0848	7.3544	3.9000e-004		0.0409	0.0409		0.0409	0.0409	0.0000	12.0452	12.0452	0.0115	0.0000	12.2862
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.5900	0.0848	7.3544	3.9000e-004	0.0000	0.0409	0.0409	0.0000	0.0409	0.0409	0.0000	12.0452	12.0452	0.0115	0.0000	12.2862

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	10/1/2026	11/3/2026	5	24	
2	Grading	Grading	11/4/2026	1/28/2027	5	62	
3	Building Construction	Building Construction	1/29/2027	6/21/2029	5	625	
4	Architectural Coating	Architectural Coating	9/1/2027	6/21/2029	5	472	
5	Paving	Paving	6/22/2030	8/22/2030	5	44	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 155

Acres of Paving: 0

Residential Indoor: 1,888,515; Residential Outdoor: 629,505; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	417.00	76.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	83.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2168	0.0000	0.2168	0.1192	0.0000	0.1192	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0301	0.2823	0.2987	4.7000e-004		0.0124	0.0124		0.0114	0.0114	0.0000	41.3006	41.3006	0.0134	0.0000	41.5811
Total	0.0301	0.2823	0.2987	4.7000e-004	0.2168	0.0124	0.2292	0.1192	0.0114	0.1305	0.0000	41.3006	41.3006	0.0134	0.0000	41.5811

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Worker	4.4000e-004	6.3000e-004	6.6700e-003	3.0000e-005	2.3700e-003	2.0000e-005	2.3900e-003	6.3000e-004	2.0000e-005	6.5000e-004	0.0000	1.7496	1.7496	7.0000e-005	0.0000	1.7512
Total	4.4000e-004	6.3000e-004	6.6700e-003	3.0000e-005	2.3700e-003	2.0000e-005	2.3900e-003	6.3000e-004	2.0000e-005	6.5000e-004	0.0000	1.7496	1.7496	7.0000e-005	0.0000	1.7512

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0846	0.0000	0.0846	0.0465	0.0000	0.0465	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.7100e-003	0.0247	0.2549	4.7000e-004		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004	0.0000	41.3005	41.3005	0.0134	0.0000	41.5810
Total	5.7100e-003	0.0247	0.2549	4.7000e-004	0.0846	7.6000e-004	0.0853	0.0465	7.6000e-004	0.0472	0.0000	41.3005	41.3005	0.0134	0.0000	41.5810

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	6.3000e-004	6.6700e-003	3.0000e-005	2.3700e-003	2.0000e-005	2.3900e-003	6.3000e-004	2.0000e-005	6.5000e-004	0.0000	1.7496	1.7496	7.0000e-005	0.0000	1.7512
Total	4.4000e-004	6.3000e-004	6.6700e-003	3.0000e-005	2.3700e-003	2.0000e-005	2.3900e-003	6.3000e-004	2.0000e-005	6.5000e-004	0.0000	1.7496	1.7496	7.0000e-005	0.0000	1.7512

3.3 Grading - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2689	0.0000	0.2689	0.1115	0.0000	0.1115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0631	0.5725	0.6584	1.3000e-003		0.0249	0.0249		0.0229	0.0229	0.0000	113.9691	113.9691	0.0369	0.0000	114.7431
Total	0.0631	0.5725	0.6584	1.3000e-003	0.2689	0.0249	0.2938	0.1115	0.0229	0.1344	0.0000	113.9691	113.9691	0.0369	0.0000	114.7431

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.6000e-004	1.2200e-003	0.0130	6.0000e-005	4.6100e-003	4.0000e-005	4.6400e-003	1.2200e-003	3.0000e-005	1.2600e-003	0.0000	3.4021	3.4021	1.4000e-004	0.0000	3.4051
Total	8.6000e-004	1.2200e-003	0.0130	6.0000e-005	4.6100e-003	4.0000e-005	4.6400e-003	1.2200e-003	3.0000e-005	1.2600e-003	0.0000	3.4021	3.4021	1.4000e-004	0.0000	3.4051

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Fugitive Dust					0.1049	0.0000	0.1049	0.0435	0.0000	0.0435	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0159	0.0688	0.7304	1.3000e-003		2.1200e-003	2.1200e-003		2.1200e-003	2.1200e-003	0.0000	113.9689	113.9689	0.0369	0.0000	114.7430
Total	0.0159	0.0688	0.7304	1.3000e-003	0.1049	2.1200e-003	0.1070	0.0435	2.1200e-003	0.0456	0.0000	113.9689	113.9689	0.0369	0.0000	114.7430

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.6000e-004	1.2200e-003	0.0130	6.0000e-005	4.6100e-003	4.0000e-005	4.6400e-003	1.2200e-003	3.0000e-005	1.2600e-003	0.0000	3.4021	3.4021	1.4000e-004	0.0000	3.4051
Total	8.6000e-004	1.2200e-003	0.0130	6.0000e-005	4.6100e-003	4.0000e-005	4.6400e-003	1.2200e-003	3.0000e-005	1.2600e-003	0.0000	3.4021	3.4021	1.4000e-004	0.0000	3.4051

3.3 Grading - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2689	0.0000	0.2689	0.1115	0.0000	0.1115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0300	0.2726	0.3135	6.2000e-004		0.0119	0.0119		0.0109	0.0109	0.0000	54.2710	54.2710	0.0176	0.0000	54.6396

Total	0.0300	0.2726	0.3135	6.2000e-004	0.2689	0.0119	0.2807	0.1115	0.0109	0.1224	0.0000	54.2710	54.2710	0.0176	0.0000	54.6396

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9000e-004	5.6000e-004	5.9300e-003	3.0000e-005	2.1900e-003	2.0000e-005	2.2100e-003	5.8000e-004	2.0000e-005	6.0000e-004	0.0000	1.6040	1.6040	7.0000e-005	0.0000	1.6054
Total	3.9000e-004	5.6000e-004	5.9300e-003	3.0000e-005	2.1900e-003	2.0000e-005	2.2100e-003	5.8000e-004	2.0000e-005	6.0000e-004	0.0000	1.6040	1.6040	7.0000e-005	0.0000	1.6054

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1049	0.0000	0.1049	0.0435	0.0000	0.0435	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.5600e-003	0.0328	0.3478	6.2000e-004		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003	0.0000	54.2709	54.2709	0.0176	0.0000	54.6395
Total	7.5600e-003	0.0328	0.3478	6.2000e-004	0.1049	1.0100e-003	0.1059	0.0435	1.0100e-003	0.0445	0.0000	54.2709	54.2709	0.0176	0.0000	54.6395

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9000e-004	5.6000e-004	5.9300e-003	3.0000e-005	2.1900e-003	2.0000e-005	2.2100e-003	5.8000e-004	2.0000e-005	6.0000e-004	0.0000	1.6040	1.6040	7.0000e-005	0.0000	1.6054
Total	3.9000e-004	5.6000e-004	5.9300e-003	3.0000e-005	2.1900e-003	2.0000e-005	2.2100e-003	5.8000e-004	2.0000e-005	6.0000e-004	0.0000	1.6040	1.6040	7.0000e-005	0.0000	1.6054

3.4 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1641	1.4954	1.9342	3.2400e-003		0.0633	0.0633		0.0595	0.0595	0.0000	278.3060	278.3060	0.0653	0.0000	279.6777
Total	0.1641	1.4954	1.9342	3.2400e-003		0.0633	0.0633		0.0595	0.0595	0.0000	278.3060	278.3060	0.0653	0.0000	279.6777

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0505	0.3252	0.7765	1.9600e-003	0.0564	8.1300e-003	0.0645	0.0161	7.4800e-003	0.0236	0.0000	166.8676	166.8676	1.1200e-003	0.0000	166.8911
Worker	0.0983	0.1402	1.4907	6.7900e-003	0.5513	4.4000e-003	0.5557	0.1464	4.0800e-003	0.1505	0.0000	402.9953	402.9953	0.0166	0.0000	403.3435
Total	0.1489	0.4654	2.2672	8.7500e-003	0.6077	0.0125	0.6202	0.1625	0.0116	0.1741	0.0000	569.8629	569.8629	0.0177	0.0000	570.2346

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0606	0.3093	2.1167	3.2400e-003		9.4700e-003	9.4700e-003		9.4700e-003	9.4700e-003	0.0000	278.3056	278.3056	0.0653	0.0000	279.6773
Total	0.0606	0.3093	2.1167	3.2400e-003		9.4700e-003	9.4700e-003		9.4700e-003	9.4700e-003	0.0000	278.3056	278.3056	0.0653	0.0000	279.6773

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0505	0.3252	0.7765	1.9600e-003	0.0564	8.1300e-003	0.0645	0.0161	7.4800e-003	0.0236	0.0000	166.8676	166.8676	1.1200e-003	0.0000	166.8911
Worker	0.0983	0.1402	1.4907	6.7900e-003	0.5513	4.4000e-003	0.5557	0.1464	4.0800e-003	0.1505	0.0000	402.9953	402.9953	0.0166	0.0000	403.3435

Total	0.1489	0.4654	2.2672	8.7500e-003	0.6077	0.0125	0.6202	0.1625	0.0116	0.1741	0.0000	569.8629	569.8629	0.0177	0.0000	570.2346

3.4 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1770	1.6133	2.0867	3.4900e-003		0.0683	0.0683		0.0642	0.0642	0.0000	300.2471	300.2471	0.0705	0.0000	301.7269
Total	0.1770	1.6133	2.0867	3.4900e-003		0.0683	0.0683		0.0642	0.0642	0.0000	300.2471	300.2471	0.0705	0.0000	301.7269

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0538	0.3475	0.8302	2.1200e-003	0.0608	8.7100e-003	0.0696	0.0174	8.0200e-003	0.0254	0.0000	180.0211	180.0211	1.2000e-003	0.0000	180.0463
Worker	0.1018	0.1454	1.5515	7.3200e-003	0.5948	4.7600e-003	0.5995	0.1580	4.4200e-003	0.1624	0.0000	431.0238	431.0238	0.0175	0.0000	431.3905
Total	0.1556	0.4929	2.3817	9.4400e-003	0.6556	0.0135	0.6691	0.1753	0.0124	0.1878	0.0000	611.0449	611.0449	0.0187	0.0000	611.4368

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0653	0.3337	2.2836	3.4900e-003		0.0102	0.0102		0.0102	0.0102	0.0000	300.2467	300.2467	0.0705	0.0000	301.7266
Total	0.0653	0.3337	2.2836	3.4900e-003		0.0102	0.0102		0.0102	0.0102	0.0000	300.2467	300.2467	0.0705	0.0000	301.7266

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0538	0.3475	0.8302	2.1200e-003	0.0608	8.7100e-003	0.0696	0.0174	8.0200e-003	0.0254	0.0000	180.0211	180.0211	1.2000e-003	0.0000	180.0463
Worker	0.1018	0.1454	1.5515	7.3200e-003	0.5948	4.7600e-003	0.5995	0.1580	4.4200e-003	0.1624	0.0000	431.0238	431.0238	0.0175	0.0000	431.3905
Total	0.1556	0.4929	2.3817	9.4400e-003	0.6556	0.0135	0.6691	0.1753	0.0124	0.1878	0.0000	611.0449	611.0449	0.0187	0.0000	611.4368

3.4 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.0844	0.7694	0.9952	1.6600e-003		0.0326	0.0326		0.0306	0.0306	0.0000	143.1948	143.1948	0.0336	0.0000	143.9005
Total	0.0844	0.7694	0.9952	1.6600e-003		0.0326	0.0326		0.0306	0.0306	0.0000	143.1948	143.1948	0.0336	0.0000	143.9005

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0254	0.1649	0.3919	1.0100e-003	0.0290	4.1600e-003	0.0332	8.2800e-003	3.8300e-003	0.0121	0.0000	85.8576	85.8576	5.7000e-004	0.0000	85.8696
Worker	0.0465	0.0666	0.7133	3.4900e-003	0.2837	2.2800e-003	0.2859	0.0753	2.1100e-003	0.0774	0.0000	204.0179	204.0179	8.1300e-003	0.0000	204.1887
Total	0.0719	0.2315	1.1053	4.5000e-003	0.3127	6.4400e-003	0.3191	0.0836	5.9400e-003	0.0896	0.0000	289.8755	289.8755	8.7000e-003	0.0000	290.0583

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0312	0.1592	1.0891	1.6600e-003		4.8700e-003	4.8700e-003		4.8700e-003	4.8700e-003	0.0000	143.1946	143.1946	0.0336	0.0000	143.9004
Total	0.0312	0.1592	1.0891	1.6600e-003		4.8700e-003	4.8700e-003		4.8700e-003	4.8700e-003	0.0000	143.1946	143.1946	0.0336	0.0000	143.9004

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0254	0.1649	0.3919	1.0100e-003	0.0290	4.1600e-003	0.0332	8.2800e-003	3.8300e-003	0.0121	0.0000	85.8576	85.8576	5.7000e-004	0.0000	85.8696
Worker	0.0465	0.0666	0.7133	3.4900e-003	0.2837	2.2800e-003	0.2859	0.0753	2.1100e-003	0.0774	0.0000	204.0179	204.0179	8.1300e-003	0.0000	204.1887
Total	0.0719	0.2315	1.1053	4.5000e-003	0.3127	6.4400e-003	0.3191	0.0836	5.9400e-003	0.0896	0.0000	289.8755	289.8755	8.7000e-003	0.0000	290.0583

3.5 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6800					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.5200e-003	0.0504	0.0796	1.3000e-004		2.2700e-003	2.2700e-003		2.2700e-003	2.2700e-003	0.0000	11.2343	11.2343	6.1000e-004	0.0000	11.2472
Total	0.6875	0.0504	0.0796	1.3000e-004		2.2700e-003	2.2700e-003		2.2700e-003	2.2700e-003	0.0000	11.2343	11.2343	6.1000e-004	0.0000	11.2472

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.1500e-003	0.0102	0.1083	4.9000e-004	0.0401	3.2000e-004	0.0404	0.0106	3.0000e-004	0.0109	0.0000	29.2892	29.2892	1.2100e-003	0.0000	29.3145
Total	7.1500e-003	0.0102	0.1083	4.9000e-004	0.0401	3.2000e-004	0.0404	0.0106	3.0000e-004	0.0109	0.0000	29.2892	29.2892	1.2100e-003	0.0000	29.3145

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6800					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3100e-003	5.6700e-003	0.0806	1.3000e-004		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	11.2343	11.2343	6.1000e-004	0.0000	11.2472
Total	0.6813	5.6700e-003	0.0806	1.3000e-004		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	11.2343	11.2343	6.1000e-004	0.0000	11.2472

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.1500e-003	0.0102	0.1083	4.9000e-004	0.0401	3.2000e-004	0.0404	0.0106	3.0000e-004	0.0109	0.0000	29.2892	29.2892	1.2100e-003	0.0000	29.3145
Total	7.1500e-003	0.0102	0.1083	4.9000e-004	0.0401	3.2000e-004	0.0404	0.0106	3.0000e-004	0.0109	0.0000	29.2892	29.2892	1.2100e-003	0.0000	29.3145

3.5 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.0091					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0222	0.1489	0.2352	3.9000e-004		6.7000e-003	6.7000e-003		6.7000e-003	6.7000e-003	0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2303
Total	2.0313	0.1489	0.2352	3.9000e-004		6.7000e-003	6.7000e-003		6.7000e-003	6.7000e-003	0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2303

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0203	0.0289	0.3088	1.4600e-003	0.1184	9.5000e-004	0.1193	0.0314	8.8000e-004	0.0323	0.0000	85.7913	85.7913	3.4800e-003	0.0000	85.8643
Total	0.0203	0.0289	0.3088	1.4600e-003	0.1184	9.5000e-004	0.1193	0.0314	8.8000e-004	0.0323	0.0000	85.7913	85.7913	3.4800e-003	0.0000	85.8643

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.0091					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8600e-003	0.0167	0.2382	3.9000e-004		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2303
Total	2.0129	0.0167	0.2382	3.9000e-004		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2303

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0203	0.0289	0.3088	1.4600e-003	0.1184	9.5000e-004	0.1193	0.0314	8.8000e-004	0.0323	0.0000	85.7913	85.7913	3.4800e-003	0.0000	85.8643
Total	0.0203	0.0289	0.3088	1.4600e-003	0.1184	9.5000e-004	0.1193	0.0314	8.8000e-004	0.0323	0.0000	85.7913	85.7913	3.4800e-003	0.0000	85.8643

3.5 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9582					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0106	0.0710	0.1122	1.8000e-004		3.1900e-003	3.1900e-003		3.1900e-003	3.1900e-003	0.0000	15.8302	15.8302	8.6000e-004	0.0000	15.8483
Total	0.9688	0.0710	0.1122	1.8000e-004		3.1900e-003	3.1900e-003		3.1900e-003	3.1900e-003	0.0000	15.8302	15.8302	8.6000e-004	0.0000	15.8483

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.2600e-003	0.0133	0.1420	7.0000e-004	0.0565	4.5000e-004	0.0569	0.0150	4.2000e-004	0.0154	0.0000	40.6079	40.6079	1.6200e-003	0.0000	40.6419
Total	9.2600e-003	0.0133	0.1420	7.0000e-004	0.0565	4.5000e-004	0.0569	0.0150	4.2000e-004	0.0154	0.0000	40.6079	40.6079	1.6200e-003	0.0000	40.6419

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9582					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Off-Road	1.8400e-003	7.9800e-003	0.1136	1.8000e-004		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.0000	15.8302	15.8302	8.6000e-004	0.0000	15.8483
Total	0.9600	7.9800e-003	0.1136	1.8000e-004		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.0000	15.8302	15.8302	8.6000e-004	0.0000	15.8483

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.2600e-003	0.0133	0.1420	7.0000e-004	0.0565	4.5000e-004	0.0569	0.0150	4.2000e-004	0.0154	0.0000	40.6079	40.6079	1.6200e-003	0.0000	40.6419
Total	9.2600e-003	0.0133	0.1420	7.0000e-004	0.0565	4.5000e-004	0.0569	0.0150	4.2000e-004	0.0154	0.0000	40.6079	40.6079	1.6200e-003	0.0000	40.6419

3.6 Paving - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0298	0.1536	0.3414	6.0000e-004		7.1100e-003	7.1100e-003		7.1100e-003	7.1100e-003	0.0000	51.8907	51.8907	2.4300e-003	0.0000	51.9418
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0298	0.1536	0.3414	6.0000e-004		7.1100e-003	7.1100e-003		7.1100e-003	7.1100e-003	0.0000	51.8907	51.8907	2.4300e-003	0.0000	51.9418

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7000e-004	8.2000e-004	8.8000e-003	4.0000e-005	3.6200e-003	3.0000e-005	3.6500e-003	9.6000e-004	3.0000e-005	9.9000e-004	0.0000	2.5871	2.5871	1.0000e-004	0.0000	2.5892
Total	5.7000e-004	8.2000e-004	8.8000e-003	4.0000e-005	3.6200e-003	3.0000e-005	3.6500e-003	9.6000e-004	3.0000e-005	9.9000e-004	0.0000	2.5871	2.5871	1.0000e-004	0.0000	2.5892

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.0400e-003	0.0262	0.3724	6.0000e-004		8.1000e-004	8.1000e-004		8.1000e-004	8.1000e-004	0.0000	51.8906	51.8906	2.4300e-003	0.0000	51.9417
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.0400e-003	0.0262	0.3724	6.0000e-004		8.1000e-004	8.1000e-004		8.1000e-004	8.1000e-004	0.0000	51.8906	51.8906	2.4300e-003	0.0000	51.9417

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7000e-004	8.2000e-004	8.8000e-003	4.0000e-005	3.6200e-003	3.0000e-005	3.6500e-003	9.6000e-004	3.0000e-005	9.9000e-004	0.0000	2.5871	2.5871	1.0000e-004	0.0000	2.5892
Total	5.7000e-004	8.2000e-004	8.8000e-003	4.0000e-005	3.6200e-003	3.0000e-005	3.6500e-003	9.6000e-004	3.0000e-005	9.9000e-004	0.0000	2.5871	2.5871	1.0000e-004	0.0000	2.5892

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.491224	0.060821	0.184988	0.143129	0.045158	0.007219	0.016964	0.038507	0.002073	0.002552	0.004110	0.000541	0.002713

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e

Land Use	kWh/yr	MT/yr			
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Mitigated	3.5900	0.0848	7.3544	3.9000e-004		0.0409	0.0409		0.0409	0.0409	0.0000	12.0452	12.0452	0.0115	0.0000	12.2862
Unmitigated	3.5900	0.0848	7.3544	3.9000e-004		0.0409	0.0409		0.0409	0.0409	0.0000	12.0452	12.0452	0.0115	0.0000	12.2862

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.3700					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.2200	0.0848	7.3544	3.9000e-004		0.0409	0.0409		0.0409	0.0409	0.0000	12.0452	12.0452	0.0115	0.0000	12.2862
Total	3.5900	0.0848	7.3544	3.9000e-004		0.0409	0.0409		0.0409	0.0409	0.0000	12.0452	12.0452	0.0115	0.0000	12.2862

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.3700					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Landscaping	0.2200	0.0848	7.3544	3.9000e-004		0.0409	0.0409		0.0409	0.0409	0.0000	12.0452	12.0452	0.0115	0.0000	12.2862
Total	3.5900	0.0848	7.3544	3.9000e-004		0.0409	0.0409		0.0409	0.0409	0.0000	12.0452	12.0452	0.0115	0.0000	12.2862

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Rancho San Gorgonio Specific Plan - Phase 6 - Construction

South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	91.00	Dwelling Unit	29.55	163,800.00	260

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	630.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Construction will be completed by 2035, assume architectural coatings applied during building construction.

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Trips and VMT -

Grading -

Architectural Coating -

Vehicle Trips - No operations

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - no operations

Consumer Products - no operations

Area Coating - no operations

Landscape Equipment - no operations

Energy Use - no operations

Water And Wastewater - no operations

Solid Waste - no operations

Construction Off-road Equipment Mitigation - Dust control measures as required by SCAQMD Rule 403.

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	35.00	334.00
tblConstructionPhase	PhaseEndDate	10/16/2036	7/6/2035
tblConstructionPhase	PhaseStartDate	7/7/2035	3/28/2034
tblEnergyUse	LightingElect	1,608.84	0.00
tblEnergyUse	NT24E	5,089.81	0.00
tblEnergyUse	NT24NG	5,950.14	0.00
tblEnergyUse	T24E	980.99	0.00
tblEnergyUse	T24NG	27,816.78	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	77.35	0.00
tblFireplaces	NumberNoFireplace	9.10	0.00
tblFireplaces	NumberWood	4.55	0.00
tblProjectCharacteristics	OperationalYear	2014	2035
tblSolidWaste	SolidWasteGenerationRate	106.60	0.00
tblVehicleTrips	ST_TR	10.08	0.00
tblVehicleTrips	SU_TR	8.77	0.00
tblVehicleTrips	WD_TR	9.57	0.00
tblWater	IndoorWaterUseRate	5,929,016.33	0.00
tblWater	OutdoorWaterUseRate	3,737,858.12	0.00
tblWoodstoves	NumberCatalytic	4.55	0.00

tblWoodstoves	NumberNoncatalytic	4.55	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2033	3.2991	13.7043	26.4672	0.0706	18.2675	0.4971	18.6904	9.9840	0.4970	10.4069	0.0000	7,343.9859	7,343.9859	0.2972	0.0000	7,350.2275
2034	5.3816	9.1834	19.6545	0.0416	0.5097	0.1802	0.6899	0.1364	0.1792	0.3156	0.0000	3,725.8464	3,725.8464	0.1411	0.0000	3,728.8098
2035	5.2745	8.3157	19.5904	0.0416	0.5097	0.1845	0.6219	0.1364	0.1844	0.2477	0.0000	3,724.8554	3,724.8554	0.1317	0.0000	3,727.6204
Total	13.9552	31.2033	65.7121	0.1538	19.2868	0.8618	20.0022	10.2568	0.8606	10.9702	0.0000	14,794.6876	14,794.6876	0.5700	0.0000	14,806.6577

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2033	0.7881	3.3173	35.3128	0.0706	7.2470	0.1026	7.3121	3.9263	0.1025	3.9912	0.0000	7,343.9859	7,343.9859	0.2972	0.0000	7,350.2275
2034	4.4230	2.9578	21.0737	0.0416	0.5097	0.0704	0.5800	0.1364	0.0694	0.2058	0.0000	3,725.8464	3,725.8464	0.1411	0.0000	3,728.8098
2035	4.4050	2.9096	21.0382	0.0416	0.5097	0.0620	0.5716	0.1364	0.0610	0.1974	0.0000	3,724.8554	3,724.8554	0.1317	0.0000	3,727.6204

Total	9.6162	9.1847	77.4247	0.1538	8.2664	0.2350	8.4637	4.1991	0.2329	4.3945	0.0000	14,794.6876	14,794.6876	0.5700	0.0000	14,806.6577

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	31.09	70.57	-17.82	0.00	57.14	72.74	57.69	59.06	72.94	59.94	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.4669	0.0863	7.4812	4.0000e-004		0.0416	0.0416		0.0416	0.0416	0.0000	13.5183	13.5183	0.0129	0.0000	13.7885
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	3.4669	0.0863	7.4812	4.0000e-004	0.0000	0.0416	0.0416	0.0000	0.0416	0.0416	0.0000	13.5183	13.5183	0.0129	0.0000	13.7885

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.4669	0.0863	7.4812	4.0000e-004		0.0416	0.0416		0.0416	0.0416	0.0000	13.5183	13.5183	0.0129	0.0000	13.7885
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Total	3.4669	0.0863	7.4812	4.0000e-004	0.0000	0.0416	0.0416	0.0000	0.0416	0.0416	0.0000	13.5183	13.5183	0.0129	0.0000	13.7885

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	8/1/2033	8/26/2033	5	20	
2	Grading	Grading	8/27/2033	10/28/2033	5	45	
3	Building Construction	Building Construction	10/29/2033	7/6/2035	5	440	
4	Architectural Coating	Architectural Coating	3/28/2034	7/6/2035	5	334	
5	Paving	Paving	7/7/2035	8/24/2035	5	35	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 0

Residential Indoor: 331,695; Residential Outdoor: 110,565; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48

Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	33.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.4265	13.0600	16.9420	0.0422		0.4214	0.4214		0.4214	0.4214		4,505.9752	4,505.9752	0.2173		4,510.5381
Total	2.4265	13.0600	16.9420	0.0422	18.0663	0.4214	18.4876	9.9307	0.4214	10.3520		4,505.9752	4,505.9752	0.2173		4,510.5381

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0285	0.0356	0.4807	2.5600e-003	0.2012	1.5800e-003	0.2028	0.0534	1.4700e-003	0.0548		161.5392	161.5392	5.7700e-003		161.6603
Total	0.0285	0.0356	0.4807	2.5600e-003	0.2012	1.5800e-003	0.2028	0.0534	1.4700e-003	0.0548		161.5392	161.5392	5.7700e-003		161.6603

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000

Off-Road	0.4757	2.0615	21.2415	0.0422		0.0634	0.0634		0.0634	0.0634	0.0000	4,505.975 2	4,505.9752	0.2173		4,510.538 1
Total	0.4757	2.0615	21.2415	0.0422	7.0458	0.0634	7.1093	3.8730	0.0634	3.9364	0.0000	4,505.975 2	4,505.9752	0.2173		4,510.538 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0285	0.0356	0.4807	2.5600e-003	0.2012	1.5800e-003	0.2028	0.0534	1.4700e-003	0.0548		161.5392	161.5392	5.7700e-003		161.6603
Total	0.0285	0.0356	0.4807	2.5600e-003	0.2012	1.5800e-003	0.2028	0.0534	1.4700e-003	0.0548		161.5392	161.5392	5.7700e-003		161.6603

3.3 Grading - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.2674	13.6648	25.9331	0.0677		0.4954	0.4954		0.4954	0.4954		7,164.497 9	7,164.4979	0.2908		7,170.605 0
Total	3.2674	13.6648	25.9331	0.0677	8.6733	0.4954	9.1687	3.5965	0.4954	4.0919		7,164.497 9	7,164.4979	0.2908		7,170.605 0

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0317	0.0395	0.5341	2.8400e-003	0.2236	1.7600e-003	0.2253	0.0593	1.6300e-003	0.0609		179.4880	179.4880	6.4100e-003		179.6225
Total	0.0317	0.0395	0.5341	2.8400e-003	0.2236	1.7600e-003	0.2253	0.0593	1.6300e-003	0.0609		179.4880	179.4880	6.4100e-003		179.6225

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000			0.0000
Off-Road	0.7564	3.2778	34.7787	0.0677		0.1009	0.1009		0.1009	0.1009	0.0000	7,164.4979	7,164.4979	0.2908		7,170.6050
Total	0.7564	3.2778	34.7787	0.0677	3.3826	0.1009	3.4835	1.4026	0.1009	1.5035	0.0000	7,164.4979	7,164.4979	0.2908		7,170.6050

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0317	0.0395	0.5341	2.8400e-003	0.2236	1.7600e-003	0.2253	0.0593	1.6300e-003	0.0609	179.4880	179.4880	6.4100e-003	179.6225		
Total	0.0317	0.0395	0.5341	2.8400e-003	0.2236	1.7600e-003	0.2253	0.0593	1.6300e-003	0.0609	179.4880	179.4880	6.4100e-003	179.6225		

3.4 Building Construction - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0502	0.3331	0.6841	2.1500e-003	0.0626	8.7800e-003	0.0713	0.0178	8.0700e-003	0.0259		201.7954	201.7954	1.3300e-003		201.8233

Worker	0.0523	0.0652	0.8813	4.6900e-003	0.3689	2.9000e-003	0.3718	0.0978	2.6900e-003	0.1005		296.1552	296.1552	0.0106		296.3772
Total	0.1026	0.3983	1.5654	6.8400e-003	0.4314	0.0117	0.4431	0.1156	0.0108	0.1264		497.9505	497.9505	0.0119		498.2005

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4466	2.4198	17.5158	0.0308		0.0541	0.0541		0.0541	0.0541	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
Total	0.4466	2.4198	17.5158	0.0308		0.0541	0.0541		0.0541	0.0541	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0502	0.3331	0.6841	2.1500e-003	0.0626	8.7800e-003	0.0713	0.0178	8.0700e-003	0.0259		201.7954	201.7954	1.3300e-003		201.8233
Worker	0.0523	0.0652	0.8813	4.6900e-003	0.3689	2.9000e-003	0.3718	0.0978	2.6900e-003	0.1005		296.1552	296.1552	0.0106		296.3772
Total	0.1026	0.3983	1.5654	6.8400e-003	0.4314	0.0117	0.4431	0.1156	0.0108	0.1264		497.9505	497.9505	0.0119		498.2005

3.4 Building Construction - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0500	0.3322	0.6822	2.1500e-003	0.0626	8.7900e-003	0.0714	0.0178	8.0800e-003	0.0259		201.7983	201.7983	1.3300e-003		201.8263
Worker	0.0503	0.0635	0.8607	4.6900e-003	0.3689	2.8900e-003	0.3718	0.0978	2.6800e-003	0.1005		295.1603	295.1603	0.0104		295.3785
Total	0.1002	0.3957	1.5429	6.8400e-003	0.4314	0.0117	0.4431	0.1156	0.0108	0.1264		496.9586	496.9586	0.0117		497.2048

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Off-Road	0.4466	2.4198	17.5158	0.0308		0.0541	0.0541		0.0541	0.0541	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
Total	0.4466	2.4198	17.5158	0.0308		0.0541	0.0541		0.0541	0.0541	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0500	0.3322	0.6822	2.1500e-003	0.0626	8.7900e-003	0.0714	0.0178	8.0800e-003	0.0259		201.7983	201.7983	1.3300e-003		201.8263
Worker	0.0503	0.0635	0.8607	4.6900e-003	0.3689	2.8900e-003	0.3718	0.0978	2.6800e-003	0.1005		295.1603	295.1603	0.0104		295.3785
Total	0.1002	0.3957	1.5429	6.8400e-003	0.4314	0.0117	0.4431	0.1156	0.0108	0.1264		496.9586	496.9586	0.0117		497.2048

3.4 Building Construction - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901		2,884.8300	2,884.8300	0.1075		2,887.0878
Total	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901		2,884.8300	2,884.8300	0.1075		2,887.0878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0497	0.3315	0.6808	2.1500e-003	0.0626	8.8000e-003	0.0714	0.0178	8.1000e-003	0.0259		201.8057	201.8057	1.3300e-003		201.8338
Worker	0.0485	0.0623	0.8441	4.6900e-003	0.3689	2.8800e-003	0.3717	0.0978	2.6700e-003	0.1005		294.3366	294.3366	0.0102		294.5517
Total	0.0983	0.3938	1.5249	6.8400e-003	0.4314	0.0117	0.4431	0.1156	0.0108	0.1264		496.1423	496.1423	0.0116		496.3854

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4309	2.3738	17.5019	0.0308		0.0457	0.0457		0.0457	0.0457	0.0000	2,884.8300	2,884.8300	0.1075		2,887.0878
Total	0.4309	2.3738	17.5019	0.0308		0.0457	0.0457		0.0457	0.0457	0.0000	2,884.8300	2,884.8300	0.1075		2,887.0878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0497	0.3315	0.6808	2.1500e-003	0.0626	8.8000e-003	0.0714	0.0178	8.1000e-003	0.0259		201.8057	201.8057	1.3300e-003		201.8338
Worker	0.0485	0.0623	0.8441	4.6900e-003	0.3689	2.8800e-003	0.3717	0.0978	2.6700e-003	0.1005		294.3366	294.3366	0.0102		294.5517
Total	0.0983	0.3938	1.5249	6.8400e-003	0.4314	0.0117	0.4431	0.1156	0.0108	0.1264		496.1423	496.1423	0.0116		496.3854

3.5 Architectural Coating - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.8358					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.6873
Total	3.9666	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.6873

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0107	0.0135	0.1826	1.0000e-003	0.0782	6.1000e-004	0.0789	0.0208	5.7000e-004	0.0213		62.6098	62.6098	2.2000e-003		62.6561
Total	0.0107	0.0135	0.1826	1.0000e-003	0.0782	6.1000e-004	0.0789	0.0208	5.7000e-004	0.0213		62.6098	62.6098	2.2000e-003		62.6561

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.8358					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0114		281.6873
Total	3.8656	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0114		281.6873

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0107	0.0135	0.1826	1.0000e-003	0.0782	6.1000e-004	0.0789	0.0208	5.7000e-004	0.0213		62.6098	62.6098	2.2000e-003		62.6561

Total	0.0107	0.0135	0.1826	1.0000e-003	0.0782	6.1000e-004	0.0789	0.0208	5.7000e-004	0.0213		62.6098	62.6098	2.2000e-003		62.6561

3.5 Architectural Coating - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.8358					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		281.4481	281.4481	0.0104		281.6665
Total	3.9537	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		281.4481	281.4481	0.0104		281.6665

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0103	0.0132	0.1791	1.0000e-003	0.0782	6.1000e-004	0.0789	0.0208	5.7000e-004	0.0213		62.4350	62.4350	2.1700e-003		62.4807
Total	0.0103	0.0132	0.1791	1.0000e-003	0.0782	6.1000e-004	0.0789	0.0208	5.7000e-004	0.0213		62.4350	62.4350	2.1700e-003		62.4807

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.8358					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0104		281.6665
Total	3.8656	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0104		281.6665

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0103	0.0132	0.1791	1.0000e-003	0.0782	6.1000e-004	0.0789	0.0208	5.7000e-004	0.0213		62.4350	62.4350	2.1700e-003		62.4807
Total	0.0103	0.0132	0.1791	1.0000e-003	0.0782	6.1000e-004	0.0789	0.0208	5.7000e-004	0.0213		62.4350	62.4350	2.1700e-003		62.4807

3.6 Paving - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	1.1165	4.7892	15.4905	0.0275		0.1832	0.1832		0.1832	0.1832		2,599.9866	2,599.9866	0.1001		2,602.0881
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1165	4.7892	15.4905	0.0275		0.1832	0.1832		0.1832	0.1832		2,599.9866	2,599.9866	0.1001		2,602.0881

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0221	0.0283	0.3837	2.1300e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2200e-003	0.0457		133.7894	133.7894	4.6600e-003		133.8871
Total	0.0221	0.0283	0.3837	2.1300e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2200e-003	0.0457		133.7894	133.7894	4.6600e-003		133.8871

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2745	1.1895	16.9276	0.0275		0.0366	0.0366		0.0366	0.0366	0.0000	2,599.9866	2,599.9866	0.1001		2,602.0881
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2745	1.1895	16.9276	0.0275		0.0366	0.0366		0.0366	0.0366	0.0000	2,599.9866	2,599.9866	0.1001		2,602.0881

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0221	0.0283	0.3837	2.1300e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2200e-003	0.0457		133.7894	133.7894	4.6600e-003		133.8871
Total	0.0221	0.0283	0.3837	2.1300e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2200e-003	0.0457		133.7894	133.7894	4.6600e-003		133.8871

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate	Unmitigated	Mitigated

Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.475956	0.062534	0.188657	0.147142	0.045607	0.007258	0.017370	0.042746	0.002183	0.002612	0.003879	0.000535	0.003521

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Mitigated	3.4669	0.0863	7.4812	4.0000e-004		0.0416	0.0416		0.0416	0.0416	0.0000	13.5183	13.5183	0.0129	0.0000	13.7885
Unmitigated	3.4669	0.0863	7.4812	4.0000e-004		0.0416	0.0416		0.0416	0.0416	0.0000	13.5183	13.5183	0.0129	0.0000	13.7885

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.2432					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.2237	0.0863	7.4812	4.0000e-004		0.0416	0.0416		0.0416	0.0416		13.5183	13.5183	0.0129		13.7885
Total	3.4669	0.0863	7.4812	4.0000e-004		0.0416	0.0416		0.0416	0.0416	0.0000	13.5183	13.5183	0.0129	0.0000	13.7885

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.2432					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.2237	0.0863	7.4812	4.0000e-004		0.0416	0.0416		0.0416	0.0416		13.5183	13.5183	0.0129		13.7885
Total	3.4669	0.0863	7.4812	4.0000e-004		0.0416	0.0416		0.0416	0.0416	0.0000	13.5183	13.5183	0.0129	0.0000	13.7885

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Rancho San Gorgonio Specific Plan - Phase 6 - Construction

South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	91.00	Dwelling Unit	29.55	163,800.00	260

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Construction will be completed by 2035, assume architectural coatings applied during building construction.

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Trips and VMT -

Grading -

Architectural Coating -

Vehicle Trips - No operations

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - no operations

Consumer Products - no operations

Area Coating - no operations

Landscape Equipment - no operations

Energy Use - no operations

Water And Wastewater - no operations

Solid Waste - no operations

Construction Off-road Equipment Mitigation - Dust control measures as required by SCAQMD Rule 403.

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	35.00	334.00
tblConstructionPhase	PhaseEndDate	10/16/2036	7/6/2035
tblConstructionPhase	PhaseStartDate	7/7/2035	3/28/2034
tblEnergyUse	LightingElect	1,608.84	0.00
tblEnergyUse	NT24E	5,089.81	0.00
tblEnergyUse	NT24NG	5,950.14	0.00
tblEnergyUse	T24E	980.99	0.00
tblEnergyUse	T24NG	27,816.78	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	77.35	0.00
tblFireplaces	NumberNoFireplace	9.10	0.00
tblFireplaces	NumberWood	4.55	0.00
tblProjectCharacteristics	OperationalYear	2014	2035
tblSolidWaste	SolidWasteGenerationRate	106.60	0.00
tblVehicleTrips	ST_TR	10.08	0.00
tblVehicleTrips	SU_TR	8.77	0.00
tblVehicleTrips	WD_TR	9.57	0.00
tblWater	IndoorWaterUseRate	5,929,016.33	0.00
tblWater	OutdoorWaterUseRate	3,737,858.12	0.00
tblWoodstoves	NumberCatalytic	4.55	0.00

tblWoodstoves	NumberNoncatalytic	4.55	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2033	3.2996	13.7079	26.4097	0.0704	18.2675	0.4971	18.6904	9.9840	0.4970	10.4069	0.0000	7,332.3996	7,332.3996	0.2972	0.0000	7,338.6413
2034	5.3863	9.1957	19.7037	0.0413	0.5097	0.1803	0.6899	0.1364	0.1793	0.3157	0.0000	3,701.0000	3,701.0000	0.1412	0.0000	3,703.9646
2035	5.2792	8.3278	19.6405	0.0413	0.5097	0.1845	0.6220	0.1364	0.1844	0.2478	0.0000	3,700.0420	3,700.0420	0.1317	0.0000	3,702.8081
Total	13.9652	31.2313	65.7539	0.1529	19.2868	0.8619	20.0023	10.2568	0.8607	10.9703	0.0000	14,733.4416	14,733.4416	0.5701	0.0000	14,745.4140

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2033	0.7886	3.3209	35.2553	0.0704	7.2470	0.1026	7.3121	3.9263	0.1025	3.9912	0.0000	7,332.3996	7,332.3996	0.2972	0.0000	7,338.6413
2034	4.4278	2.9701	21.1229	0.0413	0.5097	0.0704	0.5801	0.1364	0.0695	0.2059	0.0000	3,701.0000	3,701.0000	0.1412	0.0000	3,703.9646
2035	4.4097	2.9217	21.0883	0.0413	0.5097	0.0621	0.5717	0.1364	0.0611	0.1975	0.0000	3,700.0420	3,700.0420	0.1317	0.0000	3,702.8081

Total	9.6261	9.2127	77.4665	0.1529	8.2664	0.2351	8.4639	4.1991	0.2331	4.3946	0.0000	14,733.44 15	14,733.441 5	0.5701	0.0000	14,745.41 40

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	31.07	70.50	-17.81	0.00	57.14	72.72	57.69	59.06	72.92	59.94	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.4669	0.0863	7.4812	4.0000e- 004		0.0416	0.0416		0.0416	0.0416	0.0000	13.5183	13.5183	0.0129	0.0000	13.7885
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	3.4669	0.0863	7.4812	4.0000e- 004	0.0000	0.0416	0.0416	0.0000	0.0416	0.0416	0.0000	13.5183	13.5183	0.0129	0.0000	13.7885

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.4669	0.0863	7.4812	4.0000e- 004		0.0416	0.0416		0.0416	0.0416	0.0000	13.5183	13.5183	0.0129	0.0000	13.7885
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Total	3.4669	0.0863	7.4812	4.0000e-004	0.0000	0.0416	0.0416	0.0000	0.0416	0.0416	0.0000	13.5183	13.5183	0.0129	0.0000	13.7885

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	8/1/2033	8/26/2033	5	20	
2	Grading	Grading	8/27/2033	10/28/2033	5	45	
3	Building Construction	Building Construction	10/29/2033	7/6/2035	5	440	
4	Architectural Coating	Architectural Coating	3/28/2034	7/6/2035	5	334	
5	Paving	Paving	7/7/2035	8/24/2035	5	35	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 0

Residential Indoor: 331,695; Residential Outdoor: 110,565; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48

Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	33.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.4265	13.0600	16.9420	0.0422		0.4214	0.4214		0.4214	0.4214		4,505.9752	4,505.9752	0.2173		4,510.5381
Total	2.4265	13.0600	16.9420	0.0422	18.0663	0.4214	18.4876	9.9307	0.4214	10.3520		4,505.9752	4,505.9752	0.2173		4,510.5381

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0290	0.0388	0.4290	2.3900e-003	0.2012	1.5800e-003	0.2028	0.0534	1.4700e-003	0.0548		151.1116	151.1116	5.7700e-003		151.2326
Total	0.0290	0.0388	0.4290	2.3900e-003	0.2012	1.5800e-003	0.2028	0.0534	1.4700e-003	0.0548		151.1116	151.1116	5.7700e-003		151.2326

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000

Off-Road	0.4757	2.0615	21.2415	0.0422		0.0634	0.0634		0.0634	0.0634	0.0000	4,505.975 2	4,505.9752	0.2173		4,510.538 1
Total	0.4757	2.0615	21.2415	0.0422	7.0458	0.0634	7.1093	3.8730	0.0634	3.9364	0.0000	4,505.975 2	4,505.9752	0.2173		4,510.538 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0290	0.0388	0.4290	2.3900e-003	0.2012	1.5800e-003	0.2028	0.0534	1.4700e-003	0.0548		151.1116	151.1116	5.7700e-003		151.2326
Total	0.0290	0.0388	0.4290	2.3900e-003	0.2012	1.5800e-003	0.2028	0.0534	1.4700e-003	0.0548		151.1116	151.1116	5.7700e-003		151.2326

3.3 Grading - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.2674	13.6648	25.9331	0.0677		0.4954	0.4954		0.4954	0.4954		7,164.497 9	7,164.4979	0.2908		7,170.605 0
Total	3.2674	13.6648	25.9331	0.0677	8.6733	0.4954	9.1687	3.5965	0.4954	4.0919		7,164.497 9	7,164.4979	0.2908		7,170.605 0

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0322	0.0431	0.4766	2.6600e-003	0.2236	1.7600e-003	0.2253	0.0593	1.6300e-003	0.0609		167.9017	167.9017	6.4100e-003		168.0363
Total	0.0322	0.0431	0.4766	2.6600e-003	0.2236	1.7600e-003	0.2253	0.0593	1.6300e-003	0.0609		167.9017	167.9017	6.4100e-003		168.0363

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000			0.0000
Off-Road	0.7564	3.2778	34.7787	0.0677		0.1009	0.1009		0.1009	0.1009	0.0000	7,164.4979	7,164.4979	0.2908		7,170.6050
Total	0.7564	3.2778	34.7787	0.0677	3.3826	0.1009	3.4835	1.4026	0.1009	1.5035	0.0000	7,164.4979	7,164.4979	0.2908		7,170.6050

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0322	0.0431	0.4766	2.6600e-003	0.2236	1.7600e-003	0.2253	0.0593	1.6300e-003	0.0609	167.9017	167.9017	6.4100e-003	168.0363		
Total	0.0322	0.0431	0.4766	2.6600e-003	0.2236	1.7600e-003	0.2253	0.0593	1.6300e-003	0.0609	167.9017	167.9017	6.4100e-003	168.0363		

3.4 Building Construction - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0540	0.3386	0.8472	2.1400e-003	0.0626	8.8400e-003	0.0714	0.0178	8.1400e-003	0.0260		200.0794	200.0794	1.3900e-003		200.1085

Worker	0.0532	0.0711	0.7864	4.3900e-003	0.3689	2.9000e-003	0.3718	0.0978	2.6900e-003	0.1005		277.0379	277.0379	0.0106		277.2598
Total	0.1072	0.4097	1.6336	6.5300e-003	0.4314	0.0117	0.4432	0.1156	0.0108	0.1265		477.1172	477.1172	0.0120		477.3684

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4466	2.4198	17.5158	0.0308		0.0541	0.0541		0.0541	0.0541	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
Total	0.4466	2.4198	17.5158	0.0308		0.0541	0.0541		0.0541	0.0541	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0540	0.3386	0.8472	2.1400e-003	0.0626	8.8400e-003	0.0714	0.0178	8.1400e-003	0.0260		200.0794	200.0794	1.3900e-003		200.1085
Worker	0.0532	0.0711	0.7864	4.3900e-003	0.3689	2.9000e-003	0.3718	0.0978	2.6900e-003	0.1005		277.0379	277.0379	0.0106		277.2598
Total	0.1072	0.4097	1.6336	6.5300e-003	0.4314	0.0117	0.4432	0.1156	0.0108	0.1265		477.1172	477.1172	0.0120		477.3684

3.4 Building Construction - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0537	0.3377	0.8447	2.1400e-003	0.0626	8.8600e-003	0.0714	0.0178	8.1500e-003	0.0260		200.0822	200.0822	1.3900e-003		200.1114
Worker	0.0511	0.0692	0.7673	4.3900e-003	0.3689	2.8900e-003	0.3718	0.0978	2.6800e-003	0.1005		276.0778	276.0778	0.0104		276.2960
Total	0.1048	0.4069	1.6119	6.5300e-003	0.4314	0.0118	0.4432	0.1156	0.0108	0.1265		476.1600	476.1600	0.0118		476.4074

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Off-Road	0.4466	2.4198	17.5158	0.0308		0.0541	0.0541		0.0541	0.0541	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
Total	0.4466	2.4198	17.5158	0.0308		0.0541	0.0541		0.0541	0.0541	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0537	0.3377	0.8447	2.1400e-003	0.0626	8.8600e-003	0.0714	0.0178	8.1500e-003	0.0260		200.0822	200.0822	1.3900e-003		200.1114
Worker	0.0511	0.0692	0.7673	4.3900e-003	0.3689	2.8900e-003	0.3718	0.0978	2.6800e-003	0.1005		276.0778	276.0778	0.0104		276.2960
Total	0.1048	0.4069	1.6119	6.5300e-003	0.4314	0.0118	0.4432	0.1156	0.0108	0.1265		476.1600	476.1600	0.0118		476.4074

3.4 Building Construction - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901		2,884.8300	2,884.8300	0.1075		2,887.0878
Total	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901		2,884.8300	2,884.8300	0.1075		2,887.0878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0535	0.3370	0.8427	2.1400e-003	0.0626	8.8700e-003	0.0714	0.0178	8.1600e-003	0.0260		200.0897	200.0897	1.3900e-003		200.1189
Worker	0.0493	0.0678	0.7518	4.3900e-003	0.3689	2.8800e-003	0.3717	0.0978	2.6700e-003	0.1005		275.2813	275.2813	0.0102		275.4963
Total	0.1028	0.4047	1.5945	6.5300e-003	0.4314	0.0118	0.4432	0.1156	0.0108	0.1265		475.3710	475.3710	0.0116		475.6152

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4309	2.3738	17.5019	0.0308		0.0457	0.0457		0.0457	0.0457	0.0000	2,884.8300	2,884.8300	0.1075		2,887.0878
Total	0.4309	2.3738	17.5019	0.0308		0.0457	0.0457		0.0457	0.0457	0.0000	2,884.8300	2,884.8300	0.1075		2,887.0878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0535	0.3370	0.8427	2.1400e-003	0.0626	8.8700e-003	0.0714	0.0178	8.1600e-003	0.0260		200.0897	200.0897	1.3900e-003		200.1189
Worker	0.0493	0.0678	0.7518	4.3900e-003	0.3689	2.8800e-003	0.3717	0.0978	2.6700e-003	0.1005		275.2813	275.2813	0.0102		275.4963
Total	0.1028	0.4047	1.5945	6.5300e-003	0.4314	0.0118	0.4432	0.1156	0.0108	0.1265		475.3710	475.3710	0.0116		475.6152

3.5 Architectural Coating - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.8358					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.6873
Total	3.9666	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.6873

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0108	0.0147	0.1628	9.3000e-004	0.0782	6.1000e-004	0.0789	0.0208	5.7000e-004	0.0213		58.5620	58.5620	2.2000e-003		58.6082
Total	0.0108	0.0147	0.1628	9.3000e-004	0.0782	6.1000e-004	0.0789	0.0208	5.7000e-004	0.0213		58.5620	58.5620	2.2000e-003		58.6082

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.8358					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0114		281.6873
Total	3.8656	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0114		281.6873

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0108	0.0147	0.1628	9.3000e-004	0.0782	6.1000e-004	0.0789	0.0208	5.7000e-004	0.0213		58.5620	58.5620	2.2000e-003		58.6082

Total	0.0108	0.0147	0.1628	9.3000e-004	0.0782	6.1000e-004	0.0789	0.0208	5.7000e-004	0.0213		58.5620	58.5620	2.2000e-003		58.6082

3.5 Architectural Coating - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.8358					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		281.4481	281.4481	0.0104		281.6665
Total	3.9537	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		281.4481	281.4481	0.0104		281.6665

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0105	0.0144	0.1595	9.3000e-004	0.0782	6.1000e-004	0.0789	0.0208	5.7000e-004	0.0213		58.3930	58.3930	2.1700e-003		58.4386
Total	0.0105	0.0144	0.1595	9.3000e-004	0.0782	6.1000e-004	0.0789	0.0208	5.7000e-004	0.0213		58.3930	58.3930	2.1700e-003		58.4386

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.8358					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0104		281.6665
Total	3.8656	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0104		281.6665

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0105	0.0144	0.1595	9.3000e-004	0.0782	6.1000e-004	0.0789	0.0208	5.7000e-004	0.0213		58.3930	58.3930	2.1700e-003		58.4386
Total	0.0105	0.0144	0.1595	9.3000e-004	0.0782	6.1000e-004	0.0789	0.0208	5.7000e-004	0.0213		58.3930	58.3930	2.1700e-003		58.4386

3.6 Paving - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	1.1165	4.7892	15.4905	0.0275		0.1832	0.1832		0.1832	0.1832		2,599.9866	2,599.9866	0.1001		2,602.0881
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1165	4.7892	15.4905	0.0275		0.1832	0.1832		0.1832	0.1832		2,599.9866	2,599.9866	0.1001		2,602.0881

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0224	0.0308	0.3417	1.9900e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2200e-003	0.0457		125.1279	125.1279	4.6600e-003		125.2256
Total	0.0224	0.0308	0.3417	1.9900e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2200e-003	0.0457		125.1279	125.1279	4.6600e-003		125.2256

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2745	1.1895	16.9276	0.0275		0.0366	0.0366		0.0366	0.0366	0.0000	2,599.9866	2,599.9866	0.1001		2,602.0881
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2745	1.1895	16.9276	0.0275		0.0366	0.0366		0.0366	0.0366	0.0000	2,599.9866	2,599.9866	0.1001		2,602.0881

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0224	0.0308	0.3417	1.9900e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2200e-003	0.0457		125.1279	125.1279	4.6600e-003		125.2256
Total	0.0224	0.0308	0.3417	1.9900e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2200e-003	0.0457		125.1279	125.1279	4.6600e-003		125.2256

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate	Unmitigated	Mitigated

Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.475956	0.062534	0.188657	0.147142	0.045607	0.007258	0.017370	0.042746	0.002183	0.002612	0.003879	0.000535	0.003521

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Mitigated	3.4669	0.0863	7.4812	4.0000e-004		0.0416	0.0416		0.0416	0.0416	0.0000	13.5183	13.5183	0.0129	0.0000	13.7885
Unmitigated	3.4669	0.0863	7.4812	4.0000e-004		0.0416	0.0416		0.0416	0.0416	0.0000	13.5183	13.5183	0.0129	0.0000	13.7885

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.2432					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.2237	0.0863	7.4812	4.0000e-004		0.0416	0.0416		0.0416	0.0416		13.5183	13.5183	0.0129		13.7885
Total	3.4669	0.0863	7.4812	4.0000e-004		0.0416	0.0416		0.0416	0.0416	0.0000	13.5183	13.5183	0.0129	0.0000	13.7885

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.2432					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.2237	0.0863	7.4812	4.0000e-004		0.0416	0.0416		0.0416	0.0416		13.5183	13.5183	0.0129		13.7885
Total	3.4669	0.0863	7.4812	4.0000e-004		0.0416	0.0416		0.0416	0.0416	0.0000	13.5183	13.5183	0.0129	0.0000	13.7885

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Rancho San Gorgonio Specific Plan - Phase 6 - Construction

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	91.00	Dwelling Unit	29.55	163,800.00	260

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	630.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Construction will be completed by 2035, assume architectural coatings applied during building construction.

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Trips and VMT -

Grading -

Architectural Coating -

Vehicle Trips - No operations

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - no operations

Consumer Products - no operations

Area Coating - no operations

Landscape Equipment - no operations

Energy Use - no operations

Water And Wastewater - no operations

Solid Waste - no operations

Construction Off-road Equipment Mitigation - Dust control measures as required by SCAQMD Rule 403.

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	35.00	334.00
tblConstructionPhase	PhaseEndDate	10/16/2036	7/6/2035
tblConstructionPhase	PhaseStartDate	7/7/2035	3/28/2034
tblEnergyUse	LightingElect	1,608.84	0.00
tblEnergyUse	NT24E	5,089.81	0.00
tblEnergyUse	NT24NG	5,950.14	0.00
tblEnergyUse	T24E	980.99	0.00
tblEnergyUse	T24NG	27,816.78	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	77.35	0.00
tblFireplaces	NumberNoFireplace	9.10	0.00
tblFireplaces	NumberWood	4.55	0.00
tblProjectCharacteristics	OperationalYear	2014	2035
tblSolidWaste	SolidWasteGenerationRate	106.60	0.00
tblVehicleTrips	ST_TR	10.08	0.00
tblVehicleTrips	SU_TR	8.77	0.00
tblVehicleTrips	WD_TR	9.57	0.00
tblWater	IndoorWaterUseRate	5,929,016.33	0.00
tblWater	OutdoorWaterUseRate	3,737,858.12	0.00
tblWoodstoves	NumberCatalytic	4.55	0.00

tblWoodstoves	NumberNoncatalytic	4.55	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2033	0.1304	0.6270	1.1680	2.8700e-003	0.3923	0.0190	0.4113	0.1846	0.0190	0.2036	0.0000	260.7237	260.7237	0.0107	0.0000	260.9483
2034	0.5782	1.1701	2.5014	5.2600e-003	0.0627	0.0228	0.0855	0.0168	0.0227	0.0395	0.0000	427.7833	427.7833	0.0163	0.0000	428.1250
2035	0.3759	0.6471	1.6029	3.3100e-003	0.0367	0.0108	0.0475	9.8200e-003	0.0107	0.0206	0.0000	270.2515	270.2515	9.7300e-003	0.0000	270.4558
Total	1.0845	2.4443	5.2723	0.0114	0.4916	0.0526	0.5442	0.2113	0.0524	0.2636	0.0000	958.7586	958.7586	0.0367	0.0000	959.5291

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2033	0.0351	0.1596	1.4411	2.8700e-003	0.1630	4.4400e-003	0.1675	0.0747	4.4200e-003	0.0791	0.0000	260.7234	260.7234	0.0107	0.0000	260.9480
2034	0.4567	0.3830	2.6848	5.2600e-003	0.0627	9.0100e-003	0.0717	0.0168	8.8900e-003	0.0257	0.0000	427.7829	427.7829	0.0163	0.0000	428.1246
2035	0.3025	0.2192	1.7258	3.3100e-003	0.0367	4.8500e-003	0.0415	9.8200e-003	4.7800e-003	0.0146	0.0000	270.2513	270.2513	9.7300e-003	0.0000	270.4555

Total	0.7943	0.7618	5.8517	0.0114	0.2624	0.0183	0.2807	0.1013	0.0181	0.1194	0.0000	958.7576	958.7576	0.0367	0.0000	959.5281

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	26.76	68.83	-10.99	0.00	46.63	65.21	48.43	52.04	65.46	54.71	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.6199	0.0108	0.9352	5.0000e-005		5.2000e-003	5.2000e-003		5.2000e-003	5.2000e-003	0.0000	1.5329	1.5329	1.4600e-003	0.0000	1.5636
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.6199	0.0108	0.9352	5.0000e-005	0.0000	5.2000e-003	5.2000e-003	0.0000	5.2000e-003	5.2000e-003	0.0000	1.5329	1.5329	1.4600e-003	0.0000	1.5636

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.6199	0.0108	0.9352	5.0000e-005		5.2000e-003	5.2000e-003		5.2000e-003	5.2000e-003	0.0000	1.5329	1.5329	1.4600e-003	0.0000	1.5636

Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.6199	0.0108	0.9352	5.0000e-005	0.0000	5.2000e-003	5.2000e-003	0.0000	5.2000e-003	5.2000e-003	0.0000	1.5329	1.5329	1.4600e-003	0.0000	1.5636

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	8/1/2033	8/26/2033	5	20	
2	Grading	Grading	8/27/2033	10/28/2033	5	45	
3	Building Construction	Building Construction	10/29/2033	7/6/2035	5	440	
4	Architectural Coating	Architectural Coating	3/28/2034	7/6/2035	5	334	
5	Paving	Paving	7/7/2035	8/24/2035	5	35	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 0

Residential Indoor: 331,695; Residential Outdoor: 110,565; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40

Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	33.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1807	0.0000	0.1807	0.0993	0.0000	0.0993	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0243	0.1306	0.1694	4.2000e-004		4.2100e-003	4.2100e-003		4.2100e-003	4.2100e-003	0.0000	40.8775	40.8775	1.9700e-003	0.0000	40.9189
Total	0.0243	0.1306	0.1694	4.2000e-004	0.1807	4.2100e-003	0.1849	0.0993	4.2100e-003	0.1035	0.0000	40.8775	40.8775	1.9700e-003	0.0000	40.9189

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7000e-004	4.0000e-004	4.4200e-003	2.0000e-005	1.9700e-003	2.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.3926	1.3926	5.0000e-005	0.0000	1.3937
Total	2.7000e-004	4.0000e-004	4.4200e-003	2.0000e-005	1.9700e-003	2.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.3926	1.3926	5.0000e-005	0.0000	1.3937

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0705	0.0000	0.0705	0.0387	0.0000	0.0387	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.7600e-003	0.0206	0.2124	4.2000e-004		6.3000e-004	6.3000e-004		6.3000e-004	6.3000e-004	0.0000	40.8775	40.8775	1.9700e-003	0.0000	40.9189
Total	4.7600e-003	0.0206	0.2124	4.2000e-004	0.0705	6.3000e-004	0.0711	0.0387	6.3000e-004	0.0394	0.0000	40.8775	40.8775	1.9700e-003	0.0000	40.9189

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7000e-004	4.0000e-004	4.4200e-003	2.0000e-005	1.9700e-003	2.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.3926	1.3926	5.0000e-005	0.0000	1.3937
Total	2.7000e-004	4.0000e-004	4.4200e-003	2.0000e-005	1.9700e-003	2.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.3926	1.3926	5.0000e-005	0.0000	1.3937

3.3 Grading - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1952	0.0000	0.1952	0.0809	0.0000	0.0809	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Off-Road	0.0735	0.3075	0.5835	1.5200e-003		0.0112	0.0112		0.0112	0.0112	0.0000	146.2393	146.2393	5.9400e-003	0.0000	146.3639
Total	0.0735	0.3075	0.5835	1.5200e-003	0.1952	0.0112	0.2063	0.0809	0.0112	0.0921	0.0000	146.2393	146.2393	5.9400e-003	0.0000	146.3639

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.8000e-004	1.0000e-003	0.0111	6.0000e-005	4.9400e-003	4.0000e-005	4.9800e-003	1.3100e-003	4.0000e-005	1.3500e-003	0.0000	3.4815	3.4815	1.3000e-004	0.0000	3.4842
Total	6.8000e-004	1.0000e-003	0.0111	6.0000e-005	4.9400e-003	4.0000e-005	4.9800e-003	1.3100e-003	4.0000e-005	1.3500e-003	0.0000	3.4815	3.4815	1.3000e-004	0.0000	3.4842

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0761	0.0000	0.0761	0.0316	0.0000	0.0316	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0170	0.0738	0.7825	1.5200e-003		2.2700e-003	2.2700e-003		2.2700e-003	2.2700e-003	0.0000	146.2391	146.2391	5.9400e-003	0.0000	146.3638
Total	0.0170	0.0738	0.7825	1.5200e-003	0.0761	2.2700e-003	0.0784	0.0316	2.2700e-003	0.0338	0.0000	146.2391	146.2391	5.9400e-003	0.0000	146.3638

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.8000e-004	1.0000e-003	0.0111	6.0000e-005	4.9400e-003	4.0000e-005	4.9800e-003	1.3100e-003	4.0000e-005	1.3500e-003	0.0000	3.4815	3.4815	1.3000e-004	0.0000	3.4842
Total	6.8000e-004	1.0000e-003	0.0111	6.0000e-005	4.9400e-003	4.0000e-005	4.9800e-003	1.3100e-003	4.0000e-005	1.3500e-003	0.0000	3.4815	3.4815	1.3000e-004	0.0000	3.4842

3.4 Building Construction - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0293	0.1782	0.3630	6.9000e-004		3.3200e-003	3.3200e-003		3.3200e-003	3.3200e-003	0.0000	58.8842	58.8842	2.3600e-003	0.0000	58.9338
Total	0.0293	0.1782	0.3630	6.9000e-004		3.3200e-003	3.3200e-003		3.3200e-003	3.3200e-003	0.0000	58.8842	58.8842	2.3600e-003	0.0000	58.9338

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1800e-003	7.7700e-003	0.0184	5.0000e-005	1.3900e-003	2.0000e-004	1.5800e-003	4.0000e-004	1.8000e-004	5.8000e-004	0.0000	4.1043	4.1043	3.0000e-005	0.0000	4.1049
Worker	1.1200e-003	1.6500e-003	0.0182	1.0000e-004	8.1500e-003	7.0000e-005	8.2100e-003	2.1600e-003	6.0000e-005	2.2200e-003	0.0000	5.7444	5.7444	2.2000e-004	0.0000	5.7490
Total	2.3000e-003	9.4200e-003	0.0366	1.5000e-004	9.5400e-003	2.7000e-004	9.7900e-003	2.5600e-003	2.4000e-004	2.8000e-003	0.0000	9.8487	9.8487	2.5000e-004	0.0000	9.8538

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0101	0.0545	0.3941	6.9000e-004		1.2200e-003	1.2200e-003		1.2200e-003	1.2200e-003	0.0000	58.8841	58.8841	2.3600e-003	0.0000	58.9337
Total	0.0101	0.0545	0.3941	6.9000e-004		1.2200e-003	1.2200e-003		1.2200e-003	1.2200e-003	0.0000	58.8841	58.8841	2.3600e-003	0.0000	58.9337

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1800e-003	7.7700e-003	0.0184	5.0000e-005	1.3900e-003	2.0000e-004	1.5800e-003	4.0000e-004	1.8000e-004	5.8000e-004	0.0000	4.1043	4.1043	3.0000e-005	0.0000	4.1049

Worker	1.1200e-003	1.6500e-003	0.0182	1.0000e-004	8.1500e-003	7.0000e-005	8.2100e-003	2.1600e-003	6.0000e-005	2.2200e-003	0.0000	5.7444	5.7444	2.2000e-004	0.0000	5.7490
Total	2.3000e-003	9.4200e-003	0.0366	1.5000e-004	9.5400e-003	2.7000e-004	9.7900e-003	2.5600e-003	2.4000e-004	2.8000e-003	0.0000	9.8487	9.8487	2.5000e-004	0.0000	9.8538

3.4 Building Construction - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1695	1.0293	2.0971	4.0100e-003		0.0192	0.0192		0.0192	0.0192	0.0000	340.2196	340.2196	0.0137	0.0000	340.5064
Total	0.1695	1.0293	2.0971	4.0100e-003		0.0192	0.0192		0.0192	0.0192	0.0000	340.2196	340.2196	0.0137	0.0000	340.5064

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.7800e-003	0.0448	0.1059	2.8000e-004	8.0100e-003	1.1500e-003	9.1500e-003	2.2900e-003	1.0500e-003	3.3400e-003	0.0000	23.7139	23.7139	1.6000e-004	0.0000	23.7172
Worker	6.2300e-003	9.2800e-003	0.1028	5.8000e-004	0.0471	3.8000e-004	0.0474	0.0125	3.5000e-004	0.0129	0.0000	33.0751	33.0751	1.2300e-003	0.0000	33.1009
Total	0.0130	0.0541	0.2088	8.6000e-004	0.0551	1.5300e-003	0.0566	0.0148	1.4000e-003	0.0162	0.0000	56.7890	56.7890	1.3900e-003	0.0000	56.8181

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0581	0.3146	2.2771	4.0100e-003		7.0400e-003	7.0400e-003		7.0400e-003	7.0400e-003	0.0000	340.2192	340.2192	0.0137	0.0000	340.5060
Total	0.0581	0.3146	2.2771	4.0100e-003		7.0400e-003	7.0400e-003		7.0400e-003	7.0400e-003	0.0000	340.2192	340.2192	0.0137	0.0000	340.5060

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.7800e-003	0.0448	0.1059	2.8000e-004	8.0100e-003	1.1500e-003	9.1500e-003	2.2900e-003	1.0500e-003	3.3400e-003	0.0000	23.7139	23.7139	1.6000e-004	0.0000	23.7172
Worker	6.2300e-003	9.2800e-003	0.1028	5.8000e-004	0.0471	3.8000e-004	0.0474	0.0125	3.5000e-004	0.0129	0.0000	33.0751	33.0751	1.2300e-003	0.0000	33.1009
Total	0.0130	0.0541	0.2088	8.6000e-004	0.0551	1.5300e-003	0.0566	0.0148	1.4000e-003	0.0162	0.0000	56.7890	56.7890	1.3900e-003	0.0000	56.8181

3.4 Building Construction - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Off-Road	0.0818	0.4827	1.0862	2.0800e-003		6.0800e-003	6.0800e-003		6.0800e-003	6.0800e-003	0.0000	176.6525	176.6525	6.5800e-003	0.0000	176.7907
Total	0.0818	0.4827	1.0862	2.0800e-003		6.0800e-003	6.0800e-003		6.0800e-003	6.0800e-003	0.0000	176.6525	176.6525	6.5800e-003	0.0000	176.7907

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.5100e-003	0.0232	0.0549	1.4000e-004	4.1600e-003	6.0000e-004	4.7500e-003	1.1900e-003	5.5000e-004	1.7400e-003	0.0000	12.3134	12.3134	8.0000e-005	0.0000	12.3152
Worker	3.1300e-003	4.7200e-003	0.0523	3.0000e-004	0.0244	1.9000e-004	0.0246	6.4900e-003	1.8000e-004	6.6700e-003	0.0000	17.1241	17.1241	6.3000e-004	0.0000	17.1373
Total	6.6400e-003	0.0279	0.1072	4.4000e-004	0.0286	7.9000e-004	0.0294	7.6800e-003	7.3000e-004	8.4100e-003	0.0000	29.4375	29.4375	7.1000e-004	0.0000	29.4525

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0291	0.1602	1.1814	2.0800e-003		3.0900e-003	3.0900e-003		3.0900e-003	3.0900e-003	0.0000	176.6523	176.6523	6.5800e-003	0.0000	176.7905
Total	0.0291	0.1602	1.1814	2.0800e-003		3.0900e-003	3.0900e-003		3.0900e-003	3.0900e-003	0.0000	176.6523	176.6523	6.5800e-003	0.0000	176.7905

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.5100e-003	0.0232	0.0549	1.4000e-004	4.1600e-003	6.0000e-004	4.7500e-003	1.1900e-003	5.5000e-004	1.7400e-003	0.0000	12.3134	12.3134	8.0000e-005	0.0000	12.3152
Worker	3.1300e-003	4.7200e-003	0.0523	3.0000e-004	0.0244	1.9000e-004	0.0246	6.4900e-003	1.8000e-004	6.6700e-003	0.0000	17.1241	17.1241	6.3000e-004	0.0000	17.1373
Total	6.6400e-003	0.0279	0.1072	4.4000e-004	0.0286	7.9000e-004	0.0294	7.6800e-003	7.3000e-004	8.4100e-003	0.0000	29.4375	29.4375	7.1000e-004	0.0000	29.4525

3.5 Architectural Coating - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3817					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0130	0.0852	0.1789	3.0000e-004		2.0200e-003	2.0200e-003		2.0200e-003	2.0200e-003	0.0000	25.4049	25.4049	1.0300e-003	0.0000	25.4265
Total	0.3947	0.0852	0.1789	3.0000e-004		2.0200e-003	2.0200e-003		2.0200e-003	2.0200e-003	0.0000	25.4049	25.4049	1.0300e-003	0.0000	25.4265

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0100e-003	1.5100e-003	0.0167	9.0000e-005	7.6400e-003	6.0000e-005	7.7000e-003	2.0300e-003	6.0000e-005	2.0900e-003	0.0000	5.3699	5.3699	2.0000e-004	0.0000	5.3741
Total	1.0100e-003	1.5100e-003	0.0167	9.0000e-005	7.6400e-003	6.0000e-005	7.7000e-003	2.0300e-003	6.0000e-005	2.0900e-003	0.0000	5.3699	5.3699	2.0000e-004	0.0000	5.3741

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3817					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9600e-003	0.0128	0.1823	3.0000e-004		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	25.4048	25.4048	1.0300e-003	0.0000	25.4264
Total	0.3846	0.0128	0.1823	3.0000e-004		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	25.4048	25.4048	1.0300e-003	0.0000	25.4264

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0100e-003	1.5100e-003	0.0167	9.0000e-005	7.6400e-003	6.0000e-005	7.7000e-003	2.0300e-003	6.0000e-005	2.0900e-003	0.0000	5.3699	5.3699	2.0000e-004	0.0000	5.3741
Total	1.0100e-003	1.5100e-003	0.0167	9.0000e-005	7.6400e-003	6.0000e-005	7.7000e-003	2.0300e-003	6.0000e-005	2.0900e-003	0.0000	5.3699	5.3699	2.0000e-004	0.0000	5.3741

3.5 Architectural Coating - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2589					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9600e-003	0.0512	0.1211	2.0000e-004		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	17.2345	17.2345	6.4000e-004	0.0000	17.2478
Total	0.2669	0.0512	0.1211	2.0000e-004		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	17.2345	17.2345	6.4000e-004	0.0000	17.2478

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.6000e-004	1.0000e-003	0.0111	6.0000e-005	5.1800e-003	4.0000e-005	5.2300e-003	1.3800e-003	4.0000e-005	1.4200e-003	0.0000	3.6324	3.6324	1.3000e-004	0.0000	3.6352

Total	6.6000e-004	1.0000e-003	0.0111	6.0000e-005	5.1800e-003	4.0000e-005	5.2300e-003	1.3800e-003	4.0000e-005	1.4200e-003	0.0000	3.6324	3.6324	1.3000e-004	0.0000	3.6352

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2589					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0100e-003	8.6900e-003	0.1237	2.0000e-004		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004	0.0000	17.2344	17.2344	6.4000e-004	0.0000	17.2478
Total	0.2609	8.6900e-003	0.1237	2.0000e-004		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004	0.0000	17.2344	17.2344	6.4000e-004	0.0000	17.2478

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.6000e-004	1.0000e-003	0.0111	6.0000e-005	5.1800e-003	4.0000e-005	5.2300e-003	1.3800e-003	4.0000e-005	1.4200e-003	0.0000	3.6324	3.6324	1.3000e-004	0.0000	3.6352
Total	6.6000e-004	1.0000e-003	0.0111	6.0000e-005	5.1800e-003	4.0000e-005	5.2300e-003	1.3800e-003	4.0000e-005	1.4200e-003	0.0000	3.6324	3.6324	1.3000e-004	0.0000	3.6352

3.6 Paving - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0195	0.0838	0.2711	4.8000e-004		3.2100e-003	3.2100e-003		3.2100e-003	3.2100e-003	0.0000	41.2767	41.2767	1.5900e-003	0.0000	41.3101
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0195	0.0838	0.2711	4.8000e-004		3.2100e-003	3.2100e-003		3.2100e-003	3.2100e-003	0.0000	41.2767	41.2767	1.5900e-003	0.0000	41.3101

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7000e-004	5.6000e-004	6.1700e-003	4.0000e-005	2.8800e-003	2.0000e-005	2.9000e-003	7.6000e-004	2.0000e-005	7.9000e-004	0.0000	2.0180	2.0180	7.0000e-005	0.0000	2.0195
Total	3.7000e-004	5.6000e-004	6.1700e-003	4.0000e-005	2.8800e-003	2.0000e-005	2.9000e-003	7.6000e-004	2.0000e-005	7.9000e-004	0.0000	2.0180	2.0180	7.0000e-005	0.0000	2.0195

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	4.8000e-003	0.0208	0.2962	4.8000e-004		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	41.2766	41.2766	1.5900e-003	0.0000	41.3100
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	4.8000e-003	0.0208	0.2962	4.8000e-004		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	41.2766	41.2766	1.5900e-003	0.0000	41.3100

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7000e-004	5.6000e-004	6.1700e-003	4.0000e-005	2.8800e-003	2.0000e-005	2.9000e-003	7.6000e-004	2.0000e-005	7.9000e-004	0.0000	2.0180	2.0180	7.0000e-005	0.0000	2.0195
Total	3.7000e-004	5.6000e-004	6.1700e-003	4.0000e-005	2.8800e-003	2.0000e-005	2.9000e-003	7.6000e-004	2.0000e-005	7.9000e-004	0.0000	2.0180	2.0180	7.0000e-005	0.0000	2.0195

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.475956	0.062534	0.188657	0.147142	0.045607	0.007258	0.017370	0.042746	0.002183	0.002612	0.003879	0.000535	0.003521

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Mitigated	0.6199	0.0108	0.9352	5.0000e-005		5.2000e-003	5.2000e-003		5.2000e-003	5.2000e-003	0.0000	1.5329	1.5329	1.4600e-003	0.0000	1.5636
Unmitigated	0.6199	0.0108	0.9352	5.0000e-005		5.2000e-003	5.2000e-003		5.2000e-003	5.2000e-003	0.0000	1.5329	1.5329	1.4600e-003	0.0000	1.5636

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5919					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0280	0.0108	0.9352	5.0000e-005		5.2000e-003	5.2000e-003		5.2000e-003	5.2000e-003	0.0000	1.5329	1.5329	1.4600e-003	0.0000	1.5636
Total	0.6199	0.0108	0.9352	5.0000e-005		5.2000e-003	5.2000e-003		5.2000e-003	5.2000e-003	0.0000	1.5329	1.5329	1.4600e-003	0.0000	1.5636

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5919					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0280	0.0108	0.9352	5.0000e-005		5.2000e-003	5.2000e-003		5.2000e-003	5.2000e-003	0.0000	1.5329	1.5329	1.4600e-003	0.0000	1.5636
Total	0.6199	0.0108	0.9352	5.0000e-005		5.2000e-003	5.2000e-003		5.2000e-003	5.2000e-003	0.0000	1.5329	1.5329	1.4600e-003	0.0000	1.5636

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Rancho San Gorgonio Specific Plan - Phase 1 - Operations

South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	800.00	Student	1.54	66,882.70	0
Other Non-Asphalt Surfaces	17.00	Acre	17.00	0.00	0
Single Family Housing	239.00	Dwelling Unit	77.60	430,200.00	684

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2017
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	630.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - No buildings in the neighborhood parks.

Construction Phase - No construction

Off-road Equipment - .

Grading -

Vehicle Trips - traffic analysis rates

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - no wood fireplaces

Construction Off-road Equipment Mitigation -

Area Mitigation -

Trips and VMT - No construction

Water And Wastewater - Other Non-Asphalt Surfaces represents Neighborhood Parks, set water usage rate to match City Park.

Solid Waste - Other Non-Asphalt Surfaces represents Neighborhood Parks, set waste rate to match City Park.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	1,550.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	203.15	239.00
tblFireplaces	NumberNoFireplace	23.90	0.00
tblFireplaces	NumberWood	11.95	0.00
tblLandUse	LandUseSquareFeet	740,520.00	0.00
tblProjectCharacteristics	OperationalYear	2014	2017
tblSolidWaste	SolidWasteGenerationRate	0.00	1.50
tblTripsAndVMT	VendorTripNumber	37.00	0.00
tblTripsAndVMT	WorkerTripNumber	114.00	0.00
tblVehicleTrips	ST_TR	10.08	9.52
tblVehicleTrips	SU_TR	8.77	9.52
tblVehicleTrips	WD_TR	9.57	9.52
tblWater	OutdoorWaterUseRate	0.00	20,255,183.00
tblWoodstoves	NumberCatalytic	11.95	0.00
tblWoodstoves	NumberNoncatalytic	11.95	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e

Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	12.2810	0.2330	20.0267	1.0500e-003		0.4290	0.4290		0.4256	0.4256	0.0000	5,096.8593	5,096.8593	0.1331	0.0928	5,128.4195
Energy	0.2565	2.2016	1.0049	0.0140		0.1772	0.1772		0.1772	0.1772		2,798.0445	2,798.0445	0.0536	0.0513	2,815.0729
Mobile	11.6947	34.0708	138.6284	0.3588	24.0297	0.4989	24.5286	6.4204	0.4592	6.8796		30,522.5666	30,522.5666	1.1514		30,546.7454
Total	24.2322	36.5054	159.6600	0.3738	24.0297	1.1051	25.1348	6.4204	1.0620	7.4825	0.0000	38,417.4704	38,417.4704	1.3381	0.1441	38,490.2379

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	12.2810	0.2330	20.0267	1.0500e-003		0.4290	0.4290		0.4256	0.4256	0.0000	5,096.8593	5,096.8593	0.1331	0.0928	5,128.4195
Energy	0.2565	2.2016	1.0049	0.0140		0.1772	0.1772		0.1772	0.1772		2,798.0445	2,798.0445	0.0536	0.0513	2,815.0729
Mobile	11.6947	34.0708	138.6284	0.3588	24.0297	0.4989	24.5286	6.4204	0.4592	6.8796		30,522.5666	30,522.5666	1.1514		30,546.7454
Total	24.2322	36.5054	159.6600	0.3738	24.0297	1.1051	25.1348	6.4204	1.0620	7.4825	0.0000	38,417.4704	38,417.4704	1.3381	0.1441	38,490.2379

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	No construction	Building Construction	1/1/2017	12/30/2016	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
No construction	Cranes	1	7.00	226	0.29
No construction	Forklifts	3	8.00	89	0.20
No construction	Generator Sets	1	8.00	84	0.74
No construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
No construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
No construction	9	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Clean Paved Roads

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	11.6947	34.0708	138.6284	0.3588	24.0297	0.4989	24.5286	6.4204	0.4592	6.8796		30,522.566	30,522.566	1.1514		30,546.7454
Mitigated	11.6947	34.0708	138.6284	0.3588	24.0297	0.4989	24.5286	6.4204	0.4592	6.8796		30,522.566	30,522.566	1.1514		30,546.7454

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Elementary School	1,032.00	0.00	0.00	2,540,477	2,540,477
Single Family Housing	2,275.28	2,275.28	2,275.28	7,774,977	7,774,977
Total	3,307.28	2,275.28	2,275.28	10,315,455	10,315,455

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH

0.513125	0.060112	0.180262	0.139218	0.042100	0.006630	0.016061	0.030999	0.001941	0.002506	0.004348	0.000594	0.002104

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2565	2.2016	1.0049	0.0140		0.1772	0.1772		0.1772	0.1772		2,798.0445	2,798.0445	0.0536	0.0513	2,815.0729
NaturalGas Unmitigated	0.2565	2.2016	1.0049	0.0140		0.1772	0.1772		0.1772	0.1772		2,798.0445	2,798.0445	0.0536	0.0513	2,815.0729

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	1672.98	0.0180	0.1640	0.1378	9.8000e-004		0.0125	0.0125		0.0125	0.0125		196.8216	196.8216	3.7700e-003	3.6100e-003	198.0194
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	22110.4	0.2385	2.0376	0.8671	0.0130		0.1647	0.1647		0.1647	0.1647		2,601.2229	2,601.2229	0.0499	0.0477	2,617.0535
Total		0.2565	2.2016	1.0049	0.0140		0.1772	0.1772		0.1772	0.1772		2,798.0445	2,798.0445	0.0536	0.0513	2,815.0729

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	1.67298	0.0180	0.1640	0.1378	9.8000e-004		0.0125	0.0125		0.0125	0.0125		196.8216	196.8216	3.7700e-003	3.6100e-003	198.0194
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	22.1104	0.2385	2.0376	0.8671	0.0130		0.1647	0.1647		0.1647	0.1647		2,601.2229	2,601.2229	0.0499	0.0477	2,617.0535
Total		0.2565	2.2016	1.0049	0.0140		0.1772	0.1772		0.1772	0.1772		2,798.0445	2,798.0445	0.0536	0.0513	2,815.0729

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	12.2810	0.2330	20.0267	1.0500e-003		0.4290	0.4290		0.4256	0.4256	0.0000	5,096.8593	5,096.8593	0.1331	0.0928	5,128.4195
Mitigated	12.2810	0.2330	20.0267	1.0500e-003		0.4290	0.4290		0.4256	0.4256	0.0000	5,096.8593	5,096.8593	0.1331	0.0928	5,128.4195

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.3465					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.8422					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.4639	2.0000e-005	0.0253	0.0000		0.3205	0.3205		0.3172	0.3172	0.0000	5,061.1765	5,061.1765	0.0970	0.0928	5,091.9780
Landscaping	0.6283	0.2330	20.0014	1.0500e-003		0.1085	0.1085		0.1085	0.1085		35.6828	35.6828	0.0361		36.4416
Total	12.2810	0.2330	20.0267	1.0500e-003		0.4290	0.4290		0.4256	0.4256	0.0000	5,096.8593	5,096.8593	0.1331	0.0928	5,128.4195

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.3465					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.8422					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.4639	2.0000e-005	0.0253	0.0000		0.3205	0.3205		0.3172	0.3172	0.0000	5,061.1765	5,061.1765	0.0970	0.0928	5,091.9780
Landscaping	0.6283	0.2330	20.0014	1.0500e-003		0.1085	0.1085		0.1085	0.1085		35.6828	35.6828	0.0361		36.4416
Total	12.2810	0.2330	20.0267	1.0500e-003		0.4290	0.4290		0.4256	0.4256	0.0000	5,096.8593	5,096.8593	0.1331	0.0928	5,128.4195

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Rancho San Gorgonio Specific Plan - Phase 1 - Operations

South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	800.00	Student	1.54	66,882.70	0
Other Non-Asphalt Surfaces	17.00	Acre	17.00	0.00	0
Single Family Housing	239.00	Dwelling Unit	77.60	430,200.00	684

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2017
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	630.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - No buildings in the neighborhood parks.

Construction Phase - No construction

Off-road Equipment - .

Grading -

Vehicle Trips - traffic analysis rates

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - no wood fireplaces

Construction Off-road Equipment Mitigation -

Area Mitigation -

Trips and VMT - No construction

Water And Wastewater - Other Non-Asphalt Surfaces represents Neighborhood Parks, set water usage rate to match City Park.

Solid Waste - Other Non-Asphalt Surfaces represents Neighborhood Parks, set waste rate to match City Park.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	1,550.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	203.15	239.00
tblFireplaces	NumberNoFireplace	23.90	0.00
tblFireplaces	NumberWood	11.95	0.00
tblLandUse	LandUseSquareFeet	740,520.00	0.00
tblProjectCharacteristics	OperationalYear	2014	2017
tblSolidWaste	SolidWasteGenerationRate	0.00	1.50
tblTripsAndVMT	VendorTripNumber	37.00	0.00
tblTripsAndVMT	WorkerTripNumber	114.00	0.00
tblVehicleTrips	ST_TR	10.08	9.52
tblVehicleTrips	SU_TR	8.77	9.52
tblVehicleTrips	WD_TR	9.57	9.52
tblWater	OutdoorWaterUseRate	0.00	20,255,183.00
tblWoodstoves	NumberCatalytic	11.95	0.00
tblWoodstoves	NumberNoncatalytic	11.95	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e

Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	12.2810	0.2330	20.0267	1.0500e-003		0.4290	0.4290		0.4256	0.4256	0.0000	5,096.8593	5,096.8593	0.1331	0.0928	5,128.4195
Energy	0.2565	2.2016	1.0049	0.0140		0.1772	0.1772		0.1772	0.1772		2,798.0445	2,798.0445	0.0536	0.0513	2,815.0729
Mobile	12.0608	35.8371	135.8287	0.3407	24.0297	0.5007	24.5304	6.4204	0.4609	6.8813		29,048.7638	29,048.7638	1.1523		29,072.9614
Total	24.5983	38.2717	156.8602	0.3557	24.0297	1.1069	25.1366	6.4204	1.0637	7.4842	0.0000	36,943.6675	36,943.6675	1.3390	0.1441	37,016.4538

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	12.2810	0.2330	20.0267	1.0500e-003		0.4290	0.4290		0.4256	0.4256	0.0000	5,096.8593	5,096.8593	0.1331	0.0928	5,128.4195
Energy	0.2565	2.2016	1.0049	0.0140		0.1772	0.1772		0.1772	0.1772		2,798.0445	2,798.0445	0.0536	0.0513	2,815.0729
Mobile	12.0608	35.8371	135.8287	0.3407	24.0297	0.5007	24.5304	6.4204	0.4609	6.8813		29,048.7638	29,048.7638	1.1523		29,072.9614
Total	24.5983	38.2717	156.8602	0.3557	24.0297	1.1069	25.1366	6.4204	1.0637	7.4842	0.0000	36,943.6675	36,943.6675	1.3390	0.1441	37,016.4538

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	No construction	Building Construction	1/1/2017	12/30/2016	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
No construction	Cranes	1	7.00	226	0.29
No construction	Forklifts	3	8.00	89	0.20
No construction	Generator Sets	1	8.00	84	0.74
No construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
No construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
No construction	9	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Clean Paved Roads

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	12.0608	35.8371	135.8287	0.3407	24.0297	0.5007	24.5304	6.4204	0.4609	6.8813		29,048.7638	29,048.7638	1.1523		29,072.9614
Mitigated	12.0608	35.8371	135.8287	0.3407	24.0297	0.5007	24.5304	6.4204	0.4609	6.8813		29,048.7638	29,048.7638	1.1523		29,072.9614

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Elementary School	1,032.00	0.00	0.00	2,540,477	2,540,477
Single Family Housing	2,275.28	2,275.28	2,275.28	7,774,977	7,774,977
Total	3,307.28	2,275.28	2,275.28	10,315,455	10,315,455

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH

0.513125	0.060112	0.180262	0.139218	0.042100	0.006630	0.016061	0.030999	0.001941	0.002506	0.004348	0.000594	0.002104

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2565	2.2016	1.0049	0.0140		0.1772	0.1772		0.1772	0.1772		2,798.0445	2,798.0445	0.0536	0.0513	2,815.0729
NaturalGas Unmitigated	0.2565	2.2016	1.0049	0.0140		0.1772	0.1772		0.1772	0.1772		2,798.0445	2,798.0445	0.0536	0.0513	2,815.0729

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	1672.98	0.0180	0.1640	0.1378	9.8000e-004		0.0125	0.0125		0.0125	0.0125		196.8216	196.8216	3.7700e-003	3.6100e-003	198.0194
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	22110.4	0.2385	2.0376	0.8671	0.0130		0.1647	0.1647		0.1647	0.1647		2,601.2229	2,601.2229	0.0499	0.0477	2,617.0535
Total		0.2565	2.2016	1.0049	0.0140		0.1772	0.1772		0.1772	0.1772		2,798.0445	2,798.0445	0.0536	0.0513	2,815.0729

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	1.67298	0.0180	0.1640	0.1378	9.8000e-004		0.0125	0.0125		0.0125	0.0125		196.8216	196.8216	3.7700e-003	3.6100e-003	198.0194
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	22.1104	0.2385	2.0376	0.8671	0.0130		0.1647	0.1647		0.1647	0.1647		2,601.2229	2,601.2229	0.0499	0.0477	2,617.0535
Total		0.2565	2.2016	1.0049	0.0140		0.1772	0.1772		0.1772	0.1772		2,798.0445	2,798.0445	0.0536	0.0513	2,815.0729

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	12.2810	0.2330	20.0267	1.0500e-003		0.4290	0.4290		0.4256	0.4256	0.0000	5,096.8593	5,096.8593	0.1331	0.0928	5,128.4195
Mitigated	12.2810	0.2330	20.0267	1.0500e-003		0.4290	0.4290		0.4256	0.4256	0.0000	5,096.8593	5,096.8593	0.1331	0.0928	5,128.4195

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.3465					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.8422					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.4639	2.0000e-005	0.0253	0.0000		0.3205	0.3205		0.3172	0.3172	0.0000	5,061.1765	5,061.1765	0.0970	0.0928	5,091.9780
Landscaping	0.6283	0.2330	20.0014	1.0500e-003		0.1085	0.1085		0.1085	0.1085		35.6828	35.6828	0.0361		36.4416
Total	12.2810	0.2330	20.0267	1.0500e-003		0.4290	0.4290		0.4256	0.4256	0.0000	5,096.8593	5,096.8593	0.1331	0.0928	5,128.4195

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.3465					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.8422					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.4639	2.0000e-005	0.0253	0.0000		0.3205	0.3205		0.3172	0.3172	0.0000	5,061.1765	5,061.1765	0.0970	0.0928	5,091.9780
Landscaping	0.6283	0.2330	20.0014	1.0500e-003		0.1085	0.1085		0.1085	0.1085		35.6828	35.6828	0.0361		36.4416
Total	12.2810	0.2330	20.0267	1.0500e-003		0.4290	0.4290		0.4256	0.4256	0.0000	5,096.8593	5,096.8593	0.1331	0.0928	5,128.4195

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Rancho San Gorgonio Specific Plan - Phase 1 - Operations

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	800.00	Student	1.54	66,882.70	0
Other Non-Asphalt Surfaces	17.00	Acre	17.00	0.00	0
Single Family Housing	239.00	Dwelling Unit	77.60	430,200.00	684

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2017
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	630.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - No buildings in the neighborhood parks.

Construction Phase - No construction

Off-road Equipment - .

Grading -

Vehicle Trips - traffic analysis rates

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - no wood fireplaces

Construction Off-road Equipment Mitigation -

Area Mitigation -

Trips and VMT - No construction

Water And Wastewater - Other Non-Asphalt Surfaces represents Neighborhood Parks, set water usage rate to match City Park.

Solid Waste - Other Non-Asphalt Surfaces represents Neighborhood Parks, set waste rate to match City Park.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	1,550.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	203.15	239.00
tblFireplaces	NumberNoFireplace	23.90	0.00
tblFireplaces	NumberWood	11.95	0.00
tblLandUse	LandUseSquareFeet	740,520.00	0.00
tblProjectCharacteristics	OperationalYear	2014	2017
tblSolidWaste	SolidWasteGenerationRate	0.00	1.50
tblTripsAndVMT	VendorTripNumber	37.00	0.00
tblTripsAndVMT	WorkerTripNumber	114.00	0.00
tblVehicleTrips	ST_TR	10.08	9.52
tblVehicleTrips	SU_TR	8.77	9.52
tblVehicleTrips	WD_TR	9.57	9.52
tblWater	OutdoorWaterUseRate	0.00	20,255,183.00
tblWoodstoves	NumberCatalytic	11.95	0.00
tblWoodstoves	NumberNoncatalytic	11.95	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e

Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.1263	0.0291	2.5005	1.3000e-004		0.0176	0.0176		0.0175	0.0175	0.0000	61.4391	61.4391	5.2000e-003	1.0500e-003	61.8745
Energy	0.0468	0.4018	0.1834	2.5500e-003		0.0323	0.0323		0.0323	0.0323	0.0000	1,162.4672	1,162.4672	0.0410	0.0151	1,168.0228
Mobile	1.9027	6.0556	22.7499	0.0571	3.9088	0.0827	3.9915	1.0460	0.0761	1.1221	0.0000	4,414.2636	4,414.2636	0.1729	0.0000	4,417.8947
Waste						0.0000	0.0000		0.0000	0.0000	86.8680	0.0000	86.8680	5.1338	0.0000	194.6767
Water						0.0000	0.0000		0.0000	0.0000	5.5555	176.7141	182.2696	0.5787	0.0152	199.1205
Total	4.0758	6.4865	25.4338	0.0598	3.9088	0.1326	4.0414	1.0460	0.1260	1.1719	92.4235	5,814.8840	5,907.3075	5.9316	0.0313	6,041.5892

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.1263	0.0291	2.5005	1.3000e-004		0.0176	0.0176		0.0175	0.0175	0.0000	61.4391	61.4391	5.2000e-003	1.0500e-003	61.8745
Energy	0.0468	0.4018	0.1834	2.5500e-003		0.0323	0.0323		0.0323	0.0323	0.0000	1,162.4672	1,162.4672	0.0410	0.0151	1,168.0228
Mobile	1.9027	6.0556	22.7499	0.0571	3.9088	0.0827	3.9915	1.0460	0.0761	1.1221	0.0000	4,414.2636	4,414.2636	0.1729	0.0000	4,417.8947
Waste						0.0000	0.0000		0.0000	0.0000	86.8680	0.0000	86.8680	5.1338	0.0000	194.6767

Water						0.0000	0.0000		0.0000	0.0000	5.5555	176.7141	182.2696	0.5786	0.0151	199.1117
Total	4.0758	6.4865	25.4338	0.0598	3.9088	0.1326	4.0414	1.0460	0.1260	1.1719	92.4235	5,814.8840	5,907.3075	5.9315	0.0313	6,041.5804

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	No construction	Building Construction	1/1/2017	12/30/2016	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
No construction	Cranes	1	7.00	226	0.29
No construction	Forklifts	3	8.00	89	0.20
No construction	Generator Sets	1	8.00	84	0.74
No construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
No construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class

No construction	9	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HDDT

3.1 Mitigation Measures Construction

Clean Paved Roads

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.9027	6.0556	22.7499	0.0571	3.9088	0.0827	3.9915	1.0460	0.0761	1.1221	0.0000	4,414.2636	4,414.2636	0.1729	0.0000	4,417.8947
Unmitigated	1.9027	6.0556	22.7499	0.0571	3.9088	0.0827	3.9915	1.0460	0.0761	1.1221	0.0000	4,414.2636	4,414.2636	0.1729	0.0000	4,417.8947

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Elementary School	1,032.00	0.00	0.00	2,540,477	2,540,477
Single Family Housing	2,275.28	2,275.28	2275.28	7,774,977	7,774,977
Total	3,307.28	2,275.28	2,275.28	10,315,455	10,315,455

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12

Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.513125	0.060112	0.180262	0.139218	0.042100	0.006630	0.016061	0.030999	0.001941	0.002506	0.004348	0.000594	0.002104

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
NaturalGas Mitigated	0.0468	0.4018	0.1834	2.5500e-003		0.0323	0.0323		0.0323	0.0323	0.0000	463.2476	463.2476	8.8800e-003	8.4900e-003	466.0669
NaturalGas Unmitigated	0.0468	0.4018	0.1834	2.5500e-003		0.0323	0.0323		0.0323	0.0323	0.0000	463.2476	463.2476	8.8800e-003	8.4900e-003	466.0669
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	699.2195	699.2195	0.0321	6.6500e-003	701.9559
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	699.2195	699.2195	0.0321	6.6500e-003	701.9559

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					

Elementary School	610639	3.2900e-003	0.0299	0.0251	1.8000e-004		2.2700e-003	2.2700e-003		2.2700e-003	2.2700e-003	0.0000	32.5860	32.5860	6.2000e-004	6.0000e-004	32.7843
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	8.07029e+006	0.0435	0.3719	0.1582	2.3700e-003		0.0301	0.0301		0.0301	0.0301	0.0000	430.6616	430.6616	8.2500e-003	7.9000e-003	433.2826
Total		0.0468	0.4018	0.1834	2.5500e-003		0.0323	0.0323		0.0323	0.0323	0.0000	463.2477	463.2477	8.8700e-003	8.5000e-003	466.0669

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Elementary School	610639	3.2900e-003	0.0299	0.0251	1.8000e-004		2.2700e-003	2.2700e-003		2.2700e-003	2.2700e-003	0.0000	32.5860	32.5860	6.2000e-004	6.0000e-004	32.7843
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	8.07029e+006	0.0435	0.3719	0.1582	2.3700e-003		0.0301	0.0301		0.0301	0.0301	0.0000	430.6616	430.6616	8.2500e-003	7.9000e-003	433.2826
Total		0.0468	0.4018	0.1834	2.5500e-003		0.0323	0.0323		0.0323	0.0323	0.0000	463.2477	463.2477	8.8700e-003	8.5000e-003	466.0669

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Elementary School	607964	173.9791	8.0000e-003	1.6500e-003	174.6600
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.83543e+006	525.2404	0.0241	5.0000e-003	527.2960

Total		699.2195	0.0321	6.6500e-003	701.9559

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Elementary School	607964	173.9791	8.0000e-003	1.6500e-003	174.6600
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.83543e+006	525.2404	0.0241	5.0000e-003	527.2960
Total		699.2195	0.0321	6.6500e-003	701.9559

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.1263	0.0291	2.5005	1.3000e-004		0.0176	0.0176		0.0175	0.0175	0.0000	61.4391	61.4391	5.2000e-003	1.0500e-003	61.8745
Unmitigated	2.1263	0.0291	2.5005	1.3000e-004		0.0176	0.0176		0.0175	0.0175	0.0000	61.4391	61.4391	5.2000e-003	1.0500e-003	61.8745

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2457					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.7962					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	5.8000e-003	0.0000	3.2000e-004	0.0000		4.0100e-003	4.0100e-003		3.9600e-003	3.9600e-003	0.0000	57.3928	57.3928	1.1000e-003	1.0500e-003	57.7421
Landscaping	0.0785	0.0291	2.5002	1.3000e-004		0.0136	0.0136		0.0136	0.0136	0.0000	4.0464	4.0464	4.1000e-003	0.0000	4.1324
Total	2.1263	0.0291	2.5005	1.3000e-004		0.0176	0.0176		0.0175	0.0175	0.0000	61.4391	61.4391	5.2000e-003	1.0500e-003	61.8745

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2457					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.7962					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	5.8000e-003	0.0000	3.2000e-004	0.0000		4.0100e-003	4.0100e-003		3.9600e-003	3.9600e-003	0.0000	57.3928	57.3928	1.1000e-003	1.0500e-003	57.7421
Landscaping	0.0785	0.0291	2.5002	1.3000e-004		0.0136	0.0136		0.0136	0.0136	0.0000	4.0464	4.0464	4.1000e-003	0.0000	4.1324
Total	2.1263	0.0291	2.5005	1.3000e-004		0.0176	0.0176		0.0175	0.0175	0.0000	61.4391	61.4391	5.2000e-003	1.0500e-003	61.8745

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Unmitigated	182.2696	0.5787	0.0152	199.1205
Mitigated	182.2696	0.5786	0.0151	199.1117

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Elementary School	1.93939 / 4.98701	23.6971	0.0643	1.7100e-003	25.5771
Other Non-Asphalt Surfaces	0 / 20.2552	64.3976	2.9600e-003	6.1000e-004	64.6496
Single Family Housing	15.5718 / 9.81701	94.1749	0.5115	0.0128	108.8938
Total		182.2696	0.5787	0.0152	199.1205

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			

Elementary School	1.93939 / 4.98701	23.6971	0.0642	1.7100e-003	25.5761
Other Non-Asphalt Surfaces	10 / 20.2552	64.3976	2.9600e-003	6.1000e-004	64.6496
Single Family Housing	15.5718 / 9.81701	94.1749	0.5114	0.0128	108.8860
Total		182.2696	0.5786	0.0151	199.1117

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	86.8680	5.1338	0.0000	194.6767
Unmitigated	86.8680	5.1338	0.0000	194.6767

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Elementary School	146	29.6367	1.7515	0.0000	66.4177
Other Non-Asphalt Surfaces	1.5	0.3045	0.0180	0.0000	0.6824

Single Family Housing	280.44	56.9268	3.3643	0.0000	127.5766
Total		86.8680	5.1338	0.0000	194.6767

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Elementary School	146	29.6367	1.7515	0.0000	66.4177
Other Non-Asphalt Surfaces	1.5	0.3045	0.0180	0.0000	0.6824
Single Family Housing	280.44	56.9268	3.3643	0.0000	127.5766
Total		86.8680	5.1338	0.0000	194.6767

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Rancho San Gorgonio Specific Plan - Phase 2 - Operations

South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	800.00	Student	1.54	66,882.70	0
Other Non-Asphalt Surfaces	35.70	Acre	35.70	0.00	0
Single Family Housing	598.00	Dwelling Unit	194.16	1,076,400.00	1710

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2019
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - No buildings in the neighborhood parks.

Construction Phase - No construction

Off-road Equipment - .

Off-road Equipment -

Trips and VMT - No construction

Grading -

Vehicle Trips - traffic analysis rates

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - no wood fireplaces

Construction Off-road Equipment Mitigation - No construction

Area Mitigation -

Water And Wastewater - Other Non-Asphalt Surfaces represents Neighborhood Parks, set water usage rate to match City Park.

Solid Waste - Other Non-Asphalt Surfaces represents Neighborhood Parks, set waste rate to match City Park.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	4,650.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	508.30	598.00
tblFireplaces	NumberNoFireplace	59.80	0.00
tblFireplaces	NumberWood	29.90	0.00
tblLandUse	LandUseSquareFeet	1,555,092.00	0.00
tblProjectCharacteristics	OperationalYear	2014	2019
tblSolidWaste	SolidWasteGenerationRate	0.00	3.10
tblTripsAndVMT	VendorTripNumber	75.00	0.00
tblTripsAndVMT	WorkerTripNumber	243.00	0.00
tblVehicleTrips	ST_TR	10.08	9.52
tblVehicleTrips	SU_TR	8.77	9.52
tblVehicleTrips	WD_TR	9.57	9.52
tblWater	OutdoorWaterUseRate	0.00	42,535,884.00
tblWoodstoves	NumberCatalytic	29.90	0.00
tblWoodstoves	NumberNoncatalytic	29.90	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	28.0550	0.5751	49.7296	2.6100e-003		1.0740	1.0740		1.0656	1.0656	0.0000	12,752.5466	12,752.5466	0.3304	0.2322	12,831.4563
Energy	0.6147	5.2623	2.3073	0.0335		0.4247	0.4247		0.4247	0.4247		6,705.3206	6,705.3206	0.1285	0.1229	6,746.1281
Mobile	20.7396	60.2261	242.5068	0.7290	48.8047	0.9701	49.7748	13.0406	0.8944	13.9350		58,316.3543	58,316.3543	2.0442		58,359.2815
Total	49.4092	66.0635	294.5437	0.7651	48.8047	2.4688	51.2735	13.0406	2.3847	15.4252	0.0000	77,774.2215	77,774.2215	2.5031	0.3551	77,936.8658

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	28.0550	0.5751	49.7296	2.6100e-003		1.0740	1.0740		1.0656	1.0656	0.0000	12,752.5466	12,752.5466	0.3304	0.2322	12,831.4563
Energy	0.6147	5.2623	2.3073	0.0335		0.4247	0.4247		0.4247	0.4247		6,705.3206	6,705.3206	0.1285	0.1229	6,746.1281
Mobile	20.7396	60.2261	242.5068	0.7290	48.8047	0.9701	49.7748	13.0406	0.8944	13.9350		58,316.3543	58,316.3543	2.0442		58,359.2815
Total	49.4092	66.0635	294.5437	0.7651	48.8047	2.4688	51.2735	13.0406	2.3847	15.4252	0.0000	77,774.2215	77,774.2215	2.5031	0.3551	77,936.8658

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	No Construction	Building Construction	1/1/2017	12/30/2016	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
No Construction	Cranes	1	7.00	226	0.29
No Construction	Forklifts	3	8.00	89	0.20
No Construction	Generator Sets	1	8.00	84	0.74
No Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
No Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
No Construction	9	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	20.7396	60.2261	242.5068	0.7290	48.8047	0.9701	49.7748	13.0406	0.8944	13.9350		58,316.3543	58,316.3543	2.0442		58,359.2815
Mitigated	20.7396	60.2261	242.5068	0.7290	48.8047	0.9701	49.7748	13.0406	0.8944	13.9350		58,316.3543	58,316.3543	2.0442		58,359.2815

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Elementary School	1,032.00	0.00	0.00	2,540,477	2,540,477
Single Family Housing	5,692.96	5,692.96	5,692.96	19,453,709	19,453,709
Total	6,724.96	5,692.96	5,692.96	21,994,186	21,994,186

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.511108	0.059746	0.180859	0.139188	0.042462	0.006666	0.016153	0.032295	0.001940	0.002496	0.004377	0.000582	0.002128

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.6147	5.2623	2.3073	0.0335		0.4247	0.4247		0.4247	0.4247		6,705.3206	6,705.3206	0.1285	0.1229	6,746.1281
NaturalGas Unmitigated	0.6147	5.2623	2.3073	0.0335		0.4247	0.4247		0.4247	0.4247		6,705.3206	6,705.3206	0.1285	0.1229	6,746.1281

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	1672.98	0.0180	0.1640	0.1378	9.8000e-004		0.0125	0.0125		0.0125	0.0125		196.8216	196.8216	3.7700e-003	3.6100e-003	198.0194
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	55322.2	0.5966	5.0983	2.1695	0.0325		0.4122	0.4122		0.4122	0.4122		6,508.4990	6,508.4990	0.1248	0.1193	6,548.1086

Total		0.6147	5.2623	2.3073	0.0335		0.4247	0.4247		0.4247	0.4247		6,705.3206	6,705.3206	0.1285	0.1229	6,746.1281

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	1.67298	0.0180	0.1640	0.1378	9.8000e-004		0.0125	0.0125		0.0125	0.0125		196.8216	196.8216	3.7700e-003	3.6100e-003	198.0194
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	55.3222	0.5966	5.0983	2.1695	0.0325		0.4122	0.4122		0.4122	0.4122		6,508.4990	6,508.4990	0.1248	0.1193	6,548.1086
Total		0.6147	5.2623	2.3073	0.0335		0.4247	0.4247		0.4247	0.4247		6,705.3206	6,705.3206	0.1285	0.1229	6,746.1281

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	28.0550	0.5751	49.7296	2.6100e-003		1.0740	1.0740		1.0656	1.0656	0.0000	12,752.5466	12,752.5466	0.3304	0.2322	12,831.4563
Mitigated	28.0550	0.5751	49.7296	2.6100e-003		1.0740	1.0740		1.0656	1.0656	0.0000	12,752.5466	12,752.5466	0.3304	0.2322	12,831.4563

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.7313					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	22.6370					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.1608	5.0000e-005	0.0633	0.0000		0.8020	0.8020		0.7936	0.7936	0.0000	12,663.5294	12,663.5294	0.2427	0.2322	12,740.5975
Landscaping	1.5259	0.5751	49.6663	2.6100e-003		0.2720	0.2720		0.2720	0.2720		89.0172	89.0172	0.0877		90.8587
Total	28.0550	0.5751	49.7296	2.6100e-003		1.0740	1.0740		1.0656	1.0656	0.0000	12,752.5466	12,752.5466	0.3304	0.2322	12,831.4563

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.7313					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	22.6370					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.1608	5.0000e-005	0.0633	0.0000		0.8020	0.8020		0.7936	0.7936	0.0000	12,663.5294	12,663.5294	0.2427	0.2322	12,740.5975
Landscaping	1.5259	0.5751	49.6663	2.6100e-003		0.2720	0.2720		0.2720	0.2720		89.0172	89.0172	0.0877		90.8587
Total	28.0550	0.5751	49.7296	2.6100e-003		1.0740	1.0740		1.0656	1.0656	0.0000	12,752.5466	12,752.5466	0.3304	0.2322	12,831.4563

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Rancho San Gorgonio Specific Plan - Phase 2 - Operations

South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	800.00	Student	1.54	66,882.70	0
Other Non-Asphalt Surfaces	35.70	Acre	35.70	0.00	0
Single Family Housing	598.00	Dwelling Unit	194.16	1,076,400.00	1710

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2019
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - No buildings in the neighborhood parks.

Construction Phase - No construction

Off-road Equipment - .

Off-road Equipment -

Trips and VMT - No construction

Grading -

Vehicle Trips - traffic analysis rates

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - no wood fireplaces

Construction Off-road Equipment Mitigation - No construction

Area Mitigation -

Water And Wastewater - Other Non-Asphalt Surfaces represents Neighborhood Parks, set water usage rate to match City Park.

Solid Waste - Other Non-Asphalt Surfaces represents Neighborhood Parks, set waste rate to match City Park.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	4,650.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	508.30	598.00
tblFireplaces	NumberNoFireplace	59.80	0.00
tblFireplaces	NumberWood	29.90	0.00
tblLandUse	LandUseSquareFeet	1,555,092.00	0.00
tblProjectCharacteristics	OperationalYear	2014	2019
tblSolidWaste	SolidWasteGenerationRate	0.00	3.10
tblTripsAndVMT	VendorTripNumber	75.00	0.00
tblTripsAndVMT	WorkerTripNumber	243.00	0.00
tblVehicleTrips	ST_TR	10.08	9.52
tblVehicleTrips	SU_TR	8.77	9.52
tblVehicleTrips	WD_TR	9.57	9.52
tblWater	OutdoorWaterUseRate	0.00	42,535,884.00
tblWoodstoves	NumberCatalytic	29.90	0.00
tblWoodstoves	NumberNoncatalytic	29.90	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	28.0550	0.5751	49.7296	2.6100e-003		1.0740	1.0740		1.0656	1.0656	0.0000	12,752.5466	12,752.5466	0.3304	0.2322	12,831.4563
Energy	0.6147	5.2623	2.3073	0.0335		0.4247	0.4247		0.4247	0.4247		6,705.3206	6,705.3206	0.1285	0.1229	6,746.1281
Mobile	21.3326	63.2810	238.1989	0.6922	48.8047	0.9734	49.7781	13.0406	0.8975	13.9380		55,527.3581	55,527.3581	2.0461		55,570.3270
Total	50.0022	69.1184	290.2358	0.7284	48.8047	2.4721	51.2767	13.0406	2.3877	15.4282	0.0000	74,985.2253	74,985.2253	2.5051	0.3551	75,147.9114

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	28.0550	0.5751	49.7296	2.6100e-003		1.0740	1.0740		1.0656	1.0656	0.0000	12,752.5466	12,752.5466	0.3304	0.2322	12,831.4563
Energy	0.6147	5.2623	2.3073	0.0335		0.4247	0.4247		0.4247	0.4247		6,705.3206	6,705.3206	0.1285	0.1229	6,746.1281
Mobile	21.3326	63.2810	238.1989	0.6922	48.8047	0.9734	49.7781	13.0406	0.8975	13.9380		55,527.3581	55,527.3581	2.0461		55,570.3270
Total	50.0022	69.1184	290.2358	0.7284	48.8047	2.4721	51.2767	13.0406	2.3877	15.4282	0.0000	74,985.2253	74,985.2253	2.5051	0.3551	75,147.9114

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	No Construction	Building Construction	1/1/2017	12/30/2016	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
No Construction	Cranes	1	7.00	226	0.29
No Construction	Forklifts	3	8.00	89	0.20
No Construction	Generator Sets	1	8.00	84	0.74
No Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
No Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
No Construction	9	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	21.3326	63.2810	238.1989	0.6922	48.8047	0.9734	49.7781	13.0406	0.8975	13.9380		55,527.3581	55,527.3581	2.0461		55,570.3270
Mitigated	21.3326	63.2810	238.1989	0.6922	48.8047	0.9734	49.7781	13.0406	0.8975	13.9380		55,527.3581	55,527.3581	2.0461		55,570.3270

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Elementary School	1,032.00	0.00	0.00	2,540,477	2,540,477
Single Family Housing	5,692.96	5,692.96	5,692.96	19,453,709	19,453,709
Total	6,724.96	5,692.96	5,692.96	21,994,186	21,994,186

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.511108	0.059746	0.180859	0.139188	0.042462	0.006666	0.016153	0.032295	0.001940	0.002496	0.004377	0.000582	0.002128

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.6147	5.2623	2.3073	0.0335		0.4247	0.4247		0.4247	0.4247		6,705.3206	6,705.3206	0.1285	0.1229	6,746.1281
NaturalGas Unmitigated	0.6147	5.2623	2.3073	0.0335		0.4247	0.4247		0.4247	0.4247		6,705.3206	6,705.3206	0.1285	0.1229	6,746.1281

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	1672.98	0.0180	0.1640	0.1378	9.8000e-004		0.0125	0.0125		0.0125	0.0125		196.8216	196.8216	3.7700e-003	3.6100e-003	198.0194
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	55322.2	0.5966	5.0983	2.1695	0.0325		0.4122	0.4122		0.4122	0.4122		6,508.4990	6,508.4990	0.1248	0.1193	6,548.1086

Total		0.6147	5.2623	2.3073	0.0335		0.4247	0.4247		0.4247	0.4247		6,705.3206	6,705.3206	0.1285	0.1229	6,746.1281

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	1.67298	0.0180	0.1640	0.1378	9.8000e-004		0.0125	0.0125		0.0125	0.0125		196.8216	196.8216	3.7700e-003	3.6100e-003	198.0194
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	55.3222	0.5966	5.0983	2.1695	0.0325		0.4122	0.4122		0.4122	0.4122		6,508.4990	6,508.4990	0.1248	0.1193	6,548.1086
Total		0.6147	5.2623	2.3073	0.0335		0.4247	0.4247		0.4247	0.4247		6,705.3206	6,705.3206	0.1285	0.1229	6,746.1281

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	28.0550	0.5751	49.7296	2.6100e-003		1.0740	1.0740		1.0656	1.0656	0.0000	12,752.5466	12,752.5466	0.3304	0.2322	12,831.4563
Mitigated	28.0550	0.5751	49.7296	2.6100e-003		1.0740	1.0740		1.0656	1.0656	0.0000	12,752.5466	12,752.5466	0.3304	0.2322	12,831.4563

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.7313					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	22.6370					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.1608	5.0000e-005	0.0633	0.0000		0.8020	0.8020		0.7936	0.7936	0.0000	12,663.5294	12,663.5294	0.2427	0.2322	12,740.5975
Landscaping	1.5259	0.5751	49.6663	2.6100e-003		0.2720	0.2720		0.2720	0.2720		89.0172	89.0172	0.0877		90.8587
Total	28.0550	0.5751	49.7296	2.6100e-003		1.0740	1.0740		1.0656	1.0656	0.0000	12,752.5466	12,752.5466	0.3304	0.2322	12,831.4563

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.7313					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	22.6370					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.1608	5.0000e-005	0.0633	0.0000		0.8020	0.8020		0.7936	0.7936	0.0000	12,663.5294	12,663.5294	0.2427	0.2322	12,740.5975
Landscaping	1.5259	0.5751	49.6663	2.6100e-003		0.2720	0.2720		0.2720	0.2720		89.0172	89.0172	0.0877		90.8587
Total	28.0550	0.5751	49.7296	2.6100e-003		1.0740	1.0740		1.0656	1.0656	0.0000	12,752.5466	12,752.5466	0.3304	0.2322	12,831.4563

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Rancho San Gorgonio Specific Plan - Phase 2 - Operations

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	800.00	Student	1.54	66,882.70	0
Other Non-Asphalt Surfaces	35.70	Acre	35.70	0.00	0
Single Family Housing	598.00	Dwelling Unit	194.16	1,076,400.00	1710

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2019
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	630.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - No buildings in the neighborhood parks.

Construction Phase - No construction

Off-road Equipment - .

Off-road Equipment -

Trips and VMT - No construction

Grading -

Vehicle Trips - traffic analysis rates

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - no wood fireplaces

Construction Off-road Equipment Mitigation - No construction

Area Mitigation -

Water And Wastewater - Other Non-Asphalt Surfaces represents Neighborhood Parks, set water usage rate to match City Park.

Solid Waste - Other Non-Asphalt Surfaces represents Neighborhood Parks, set waste rate to match City Park.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	4,650.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	508.30	598.00
tblFireplaces	NumberNoFireplace	59.80	0.00
tblFireplaces	NumberWood	29.90	0.00
tblLandUse	LandUseSquareFeet	1,555,092.00	0.00
tblProjectCharacteristics	OperationalYear	2014	2019
tblSolidWaste	SolidWasteGenerationRate	0.00	3.10
tblTripsAndVMT	VendorTripNumber	75.00	0.00
tblTripsAndVMT	WorkerTripNumber	243.00	0.00
tblVehicleTrips	ST_TR	10.08	9.52
tblVehicleTrips	SU_TR	8.77	9.52
tblVehicleTrips	WD_TR	9.57	9.52
tblWater	OutdoorWaterUseRate	0.00	42,535,884.00
tblWoodstoves	NumberCatalytic	29.90	0.00
tblWoodstoves	NumberNoncatalytic	29.90	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.8350	0.0719	6.2091	3.3000e-004		0.0440	0.0440		0.0439	0.0439	0.0000	153.6964	153.6964	0.0127	2.6300e-003	154.7792
Energy	0.1122	0.9604	0.4211	6.1200e-003		0.0775	0.0775		0.0775	0.0775	0.0000	2,598.3200	2,598.3200	0.0897	0.0345	2,610.9002
Mobile	3.5333	11.2266	41.8604	0.1218	8.3358	0.1688	8.5046	2.2307	0.1556	2.3863	0.0000	8,858.5995	8,858.5995	0.3224	0.0000	8,865.3690
Waste						0.0000	0.0000		0.0000	0.0000	172.5829	0.0000	172.5829	10.1994	0.0000	386.7694
Water						0.0000	0.0000		0.0000	0.0000	12.9762	381.5902	394.5664	1.3503	0.0351	433.8037
Total	8.4804	12.2589	48.4906	0.1283	8.3358	0.2903	8.6262	2.2307	0.2771	2.5077	185.5591	11,992.2061	12,177.7652	11.9744	0.0722	12,451.6214

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.8350	0.0719	6.2091	3.3000e-004		0.0440	0.0440		0.0439	0.0439	0.0000	153.6964	153.6964	0.0127	2.6300e-003	154.7792
Energy	0.1122	0.9604	0.4211	6.1200e-003		0.0775	0.0775		0.0775	0.0775	0.0000	2,598.3200	2,598.3200	0.0897	0.0345	2,610.9002

Mobile	3.5333	11.2266	41.8604	0.1218	8.3358	0.1688	8.5046	2.2307	0.1556	2.3863	0.0000	8,858.5995	8,858.5995	0.3224	0.0000	8,865.3690
Waste						0.0000	0.0000		0.0000	0.0000	172.5829	0.0000	172.5829	10.1994	0.0000	386.7694
Water						0.0000	0.0000		0.0000	0.0000	12.9762	381.5902	394.5664	1.3501	0.0351	433.7830
Total	8.4804	12.2589	48.4906	0.1283	8.3358	0.2903	8.6262	2.2307	0.2771	2.5077	185.5591	11,992.2061	12,177.7652	11.9742	0.0722	12,451.6007

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	No Construction	Building Construction	1/1/2017	12/30/2016	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
No Construction	Cranes	1	7.00	226	0.29
No Construction	Forklifts	3	8.00	89	0.20
No Construction	Generator Sets	1	8.00	84	0.74
No Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
No Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
No Construction	9	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.5333	11.2266	41.8604	0.1218	8.3358	0.1688	8.5046	2.2307	0.1556	2.3863	0.0000	8,858.5995	8,858.5995	0.3224	0.0000	8,865.3690
Unmitigated	3.5333	11.2266	41.8604	0.1218	8.3358	0.1688	8.5046	2.2307	0.1556	2.3863	0.0000	8,858.5995	8,858.5995	0.3224	0.0000	8,865.3690

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Elementary School	1,032.00	0.00	0.00	2,540,477	2,540,477
Single Family Housing	5,692.96	5,692.96	5,692.96	19,453,709	19,453,709
Total	6,724.96	5,692.96	5,692.96	21,994,186	21,994,186

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.511108	0.059746	0.180859	0.139188	0.042462	0.006666	0.016153	0.032295	0.001940	0.002496	0.004377	0.000582	0.002128

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
NaturalGas Mitigated	0.1122	0.9604	0.4211	6.1200e-003		0.0775	0.0775		0.0775	0.0775	0.0000	1,110.1410	1,110.1410	0.0213	0.0204	1,116.8972
NaturalGas Unmitigated	0.1122	0.9604	0.4211	6.1200e-003		0.0775	0.0775		0.0775	0.0775	0.0000	1,110.1410	1,110.1410	0.0213	0.0204	1,116.8972
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,488.1790	1,488.1790	0.0684	0.0142	1,494.0030
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,488.1790	1,488.1790	0.0684	0.0142	1,494.0030

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Elementary School	610639	3.2900e-003	0.0299	0.0251	1.8000e-004		2.2700e-003	2.2700e-003		2.2700e-003	2.2700e-003	0.0000	32.5860	32.5860	6.2000e-004	6.0000e-004	32.7843
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	2.01926e+007	0.1089	0.9304	0.3959	5.9400e-003		0.0752	0.0752		0.0752	0.0752	0.0000	1,077.5550	1,077.5550	0.0207	0.0198	1,084.1128
Total		0.1122	0.9604	0.4211	6.1200e-003		0.0775	0.0775		0.0775	0.0775	0.0000	1,110.1410	1,110.1410	0.0213	0.0204	1,116.8972

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Elementary School	610639	3.2900e-003	0.0299	0.0251	1.8000e-004		2.2700e-003	2.2700e-003		2.2700e-003	2.2700e-003	0.0000	32.5860	32.5860	6.2000e-004	6.0000e-004	32.7843
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	2.01926e+007	0.1089	0.9304	0.3959	5.9400e-003		0.0752	0.0752		0.0752	0.0752	0.0000	1,077.5550	1,077.5550	0.0207	0.0198	1,084.1128
Total		0.1122	0.9604	0.4211	6.1200e-003		0.0775	0.0775		0.0775	0.0775	0.0000	1,110.1410	1,110.1410	0.0213	0.0204	1,116.8972

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e

Land Use	kWh/yr	MT/yr			
Elementary School	607964	173.9791	8.0000e-003	1.6500e-003	174.6600
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	4.59242e+006	1,314.1999	0.0604	0.0125	1,319.3431
Total		1,488.1790	0.0684	0.0142	1,494.0030

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Elementary School	607964	173.9791	8.0000e-003	1.6500e-003	174.6600
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	4.59242e+006	1,314.1999	0.0604	0.0125	1,319.3431
Total		1,488.1790	0.0684	0.0142	1,494.0030

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Mitigated	4.8350	0.0719	6.2091	3.3000e-004		0.0440	0.0440		0.0439	0.0439	0.0000	153.6964	153.6964	0.0127	2.6300e-003	154.7792
Unmitigated	4.8350	0.0719	6.2091	3.3000e-004		0.0440	0.0440		0.0439	0.0439	0.0000	153.6964	153.6964	0.0127	2.6300e-003	154.7792

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.4985					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.1313					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0145	0.0000	7.9000e-004	0.0000		0.0100	0.0100		9.9200e-003	9.9200e-003	0.0000	143.6020	143.6020	2.7500e-003	2.6300e-003	144.4760
Landscaping	0.1907	0.0719	6.2083	3.3000e-004		0.0340	0.0340		0.0340	0.0340	0.0000	10.0944	10.0944	9.9400e-003	0.0000	10.3032
Total	4.8350	0.0719	6.2091	3.3000e-004		0.0440	0.0440		0.0439	0.0439	0.0000	153.6964	153.6964	0.0127	2.6300e-003	154.7792

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.4985					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.1313					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0145	0.0000	7.9000e-004	0.0000		0.0100	0.0100		9.9200e-003	9.9200e-003	0.0000	143.6020	143.6020	2.7500e-003	2.6300e-003	144.4760

Landscaping	0.1907	0.0719	6.2083	3.3000e-004		0.0340	0.0340		0.0340	0.0340	0.0000	10.0944	10.0944	9.9400e-003	0.0000	10.3032
Total	4.8350	0.0719	6.2091	3.3000e-004		0.0440	0.0440		0.0439	0.0439	0.0000	153.6964	153.6964	0.0127	2.6300e-003	154.7792

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Unmitigated	394.5664	1.3503	0.0351	433.8037
Mitigated	394.5664	1.3501	0.0351	433.7830

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Elementary School	1.93939 / 4.98701	23.6971	0.0643	1.7100e-003	25.5771
Other Non-Asphalt Surfaces	0 / 42.5359	135.2349	6.2200e-003	1.2900e-003	135.7642
Single Family Housing	38.9621 / 24.5631	235.6344	1.2798	0.0321	272.4624
Total		394.5664	1.3503	0.0351	433.8037

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Elementary School	1.93939 / 4.98701	23.6971	0.0642	1.7100e-003	25.5761
Other Non-Asphalt Surfaces	0 / 42.5359	135.2349	6.2200e-003	1.2900e-003	135.7642
Single Family Housing	38.9621 / 24.5631	235.6344	1.2796	0.0321	272.4427
Total		394.5664	1.3501	0.0351	433.7830

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	172.5829	10.1994	0.0000	386.7694
Unmitigated	172.5829	10.1994	0.0000	386.7694

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Elementary School	146	29.6367	1.7515	0.0000	66.4177
Other Non-Asphalt Surfaces	3.1	0.6293	0.0372	0.0000	1.4102
Single Family Housing	701.1	142.3170	8.4107	0.0000	318.9415
Total		172.5829	10.1994	0.0000	386.7694

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Elementary School	146	29.6367	1.7515	0.0000	66.4177
Other Non-Asphalt Surfaces	3.1	0.6293	0.0372	0.0000	1.4102
Single Family Housing	701.1	142.3170	8.4107	0.0000	318.9415
Total		172.5829	10.1994	0.0000	386.7694

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Rancho San Gorgonio Specific Plan - Phase 3 - Operations

South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	800.00	Student	1.54	66,882.70	0
City Park	157.70	Acre	157.70	0.00	0
Single Family Housing	1,042.00	Dwelling Unit	338.31	1,875,600.00	2980

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - No buildings in the community parks.

Construction Phase - No construction

Off-road Equipment - .

Off-road Equipment -

Trips and VMT - No construction

Grading -

Vehicle Trips - traffic analysis rates

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - no wood fireplaces

Construction Off-road Equipment Mitigation - No construction

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	7,750.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	885.70	1,042.00
tblFireplaces	NumberNoFireplace	104.20	0.00
tblFireplaces	NumberWood	52.10	0.00
tblLandUse	LandUseSquareFeet	6,869,412.00	0.00
tblProjectCharacteristics	OperationalYear	2014	2022
tblTripsAndVMT	VendorTripNumber	122.00	0.00
tblTripsAndVMT	WorkerTripNumber	403.00	0.00
tblVehicleTrips	ST_TR	1.59	0.00
tblVehicleTrips	ST_TR	10.08	9.52
tblVehicleTrips	SU_TR	1.59	0.00
tblVehicleTrips	SU_TR	8.77	9.52
tblVehicleTrips	WD_TR	1.59	0.00
tblVehicleTrips	WD_TR	9.57	9.52
tblWoodstoves	NumberCatalytic	52.10	0.00
tblWoodstoves	NumberNoncatalytic	52.10	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e

Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	47.5362	0.9935	86.2671	4.5500e-003		1.8734	1.8734		1.8586	1.8586	0.0000	22,220.8835	22,220.8835	0.5728	0.4045	22,358.3205
Energy	1.0576	9.0477	3.9181	0.0577		0.7307	0.7307		0.7307	0.7307		11,537.7179	11,537.7179	0.2211	0.2115	11,607.9345
Mobile	29.7129	75.8818	337.6458	1.1950	79.4660	1.5087	80.9747	21.2355	1.3918	22.6273		90,197.5551	90,197.5551	2.9038		90,258.5349
Total	78.3067	85.9230	427.8310	1.2572	79.4660	4.1128	83.5788	21.2355	3.9812	25.2167	0.0000	123,956.1565	123,956.1565	3.6978	0.6161	124,224.7898

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	47.5362	0.9935	86.2671	4.5500e-003		1.8734	1.8734		1.8586	1.8586	0.0000	22,220.8835	22,220.8835	0.5728	0.4045	22,358.3205
Energy	1.0576	9.0477	3.9181	0.0577		0.7307	0.7307		0.7307	0.7307		11,537.7179	11,537.7179	0.2211	0.2115	11,607.9345
Mobile	29.7129	75.8818	337.6458	1.1950	79.4660	1.5087	80.9747	21.2355	1.3918	22.6273		90,197.5551	90,197.5551	2.9038		90,258.5349
Total	78.3067	85.9230	427.8310	1.2572	79.4660	4.1128	83.5788	21.2355	3.9812	25.2167	0.0000	123,956.1565	123,956.1565	3.6978	0.6161	124,224.7898

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	No Construction	Building Construction	1/1/2017	12/30/2016	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
No Construction	Cranes	1	7.00	226	0.29
No Construction	Forklifts	3	8.00	89	0.20
No Construction	Generator Sets	1	8.00	84	0.74
No Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
No Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
No Construction	9	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	29.7129	75.8818	337.6458	1.1950	79.4660	1.5087	80.9747	21.2355	1.3918	22.6273		90,197.5551	90,197.5551	2.9038		90,258.5349
Mitigated	29.7129	75.8818	337.6458	1.1950	79.4660	1.5087	80.9747	21.2355	1.3918	22.6273		90,197.5551	90,197.5551	2.9038		90,258.5349

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Elementary School	1,032.00	0.00	0.00	2,540,477	2,540,477
Single Family Housing	9,919.84	9,919.84	9,919.84	33,897,600	33,897,600
Total	10,951.84	9,919.84	9,919.84	36,438,078	36,438,078

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.505577	0.059791	0.182076	0.140653	0.043205	0.006799	0.016326	0.033954	0.001968	0.002512	0.004300	0.000570	0.002269

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	1.0576	9.0477	3.9181	0.0577		0.7307	0.7307		0.7307	0.7307		11,537.7179	11,537.7179	0.2211	0.2115	11,607.9345
NaturalGas Unmitigated	1.0576	9.0477	3.9181	0.0577		0.7307	0.7307		0.7307	0.7307		11,537.7179	11,537.7179	0.2211	0.2115	11,607.9345

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	1672.98	0.0180	0.1640	0.1378	9.8000e-004		0.0125	0.0125		0.0125	0.0125		196.8216	196.8216	3.7700e-003	3.6100e-003	198.0194
Single Family Housing	96397.6	1.0396	8.8837	3.7803	0.0567		0.7183	0.7183		0.7183	0.7183		11,340.8963	11,340.8963	0.2174	0.2079	11,409.9151

Total		1.0576	9.0477	3.9181	0.0577		0.7307	0.7307		0.7307	0.7307		11,537.7179	11,537.7179	0.2211	0.2115	11,607.9345

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	1.67298	0.0180	0.1640	0.1378	9.8000e-004		0.0125	0.0125		0.0125	0.0125		196.8216	196.8216	3.7700e-003	3.6100e-003	198.0194
Single Family Housing	96.3976	1.0396	8.8837	3.7803	0.0567		0.7183	0.7183		0.7183	0.7183		11,340.8963	11,340.8963	0.2174	0.2079	11,409.9151
Total		1.0576	9.0477	3.9181	0.0577		0.7307	0.7307		0.7307	0.7307		11,537.7179	11,537.7179	0.2211	0.2115	11,607.9345

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	47.5362	0.9935	86.2671	4.5500e-003		1.8734	1.8734		1.8586	1.8586	0.0000	22,220.8835	22,220.8835	0.5728	0.4045	22,358.3205
Mitigated	47.5362	0.9935	86.2671	4.5500e-003		1.8734	1.8734		1.8586	1.8586	0.0000	22,220.8835	22,220.8835	0.5728	0.4045	22,358.3205

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.4439					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	38.4612					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	2.0227	9.0000e-005	0.1103	0.0000		1.3975	1.3975		1.3828	1.3828	0.0000	22,065.8824	22,065.8824	0.4229	0.4045	22,200.1716
Landscaping	2.6084	0.9934	86.1568	4.5500e-003		0.4759	0.4759		0.4759	0.4759		155.0012	155.0012	0.1499		158.1488
Total	47.5362	0.9935	86.2671	4.5500e-003		1.8734	1.8734		1.8587	1.8587	0.0000	22,220.8835	22,220.8835	0.5728	0.4045	22,358.3205

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.4439					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	38.4612					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	2.0227	9.0000e-005	0.1103	0.0000		1.3975	1.3975		1.3828	1.3828	0.0000	22,065.8824	22,065.8824	0.4229	0.4045	22,200.1716
Landscaping	2.6084	0.9934	86.1568	4.5500e-003		0.4759	0.4759		0.4759	0.4759		155.0012	155.0012	0.1499		158.1488
Total	47.5362	0.9935	86.2671	4.5500e-003		1.8734	1.8734		1.8587	1.8587	0.0000	22,220.8835	22,220.8835	0.5728	0.4045	22,358.3205

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Rancho San Gorgonio Specific Plan - Phase 3 - Operations

South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	800.00	Student	1.54	66,882.70	0
City Park	157.70	Acre	157.70	0.00	0
Single Family Housing	1,042.00	Dwelling Unit	338.31	1,875,600.00	2980

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	630.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - No buildings in the community parks.

Construction Phase - No construction

Off-road Equipment - .

Off-road Equipment -

Trips and VMT - No construction

Grading -

Vehicle Trips - traffic analysis rates

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - no wood fireplaces

Construction Off-road Equipment Mitigation - No construction

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	7,750.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	885.70	1,042.00
tblFireplaces	NumberNoFireplace	104.20	0.00
tblFireplaces	NumberWood	52.10	0.00
tblLandUse	LandUseSquareFeet	6,869,412.00	0.00
tblProjectCharacteristics	OperationalYear	2014	2022
tblTripsAndVMT	VendorTripNumber	122.00	0.00
tblTripsAndVMT	WorkerTripNumber	403.00	0.00
tblVehicleTrips	ST_TR	1.59	0.00
tblVehicleTrips	ST_TR	10.08	9.52
tblVehicleTrips	SU_TR	1.59	0.00
tblVehicleTrips	SU_TR	8.77	9.52
tblVehicleTrips	WD_TR	1.59	0.00
tblVehicleTrips	WD_TR	9.57	9.52
tblWoodstoves	NumberCatalytic	52.10	0.00
tblWoodstoves	NumberNoncatalytic	52.10	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e

Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	47.5362	0.9935	86.2671	4.5500e-003		1.8734	1.8734		1.8586	1.8586	0.0000	22,220.8835	22,220.8835	0.5728	0.4045	22,358.3205
Energy	1.0576	9.0477	3.9181	0.0577		0.7307	0.7307		0.7307	0.7307		11,537.7179	11,537.7179	0.2211	0.2115	11,607.9345
Mobile	30.5218	79.7912	332.6509	1.1347	79.4660	1.5130	80.9790	21.2355	1.3957	22.6312		85,938.2961	85,938.2961	2.9076		85,999.3554
Total	79.1156	89.8325	422.8361	1.1970	79.4660	4.1170	83.5830	21.2355	3.9851	25.2206	0.0000	119,696.8975	119,696.8975	3.7016	0.6161	119,965.6104

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	47.5362	0.9935	86.2671	4.5500e-003		1.8734	1.8734		1.8586	1.8586	0.0000	22,220.8835	22,220.8835	0.5728	0.4045	22,358.3205
Energy	1.0576	9.0477	3.9181	0.0577		0.7307	0.7307		0.7307	0.7307		11,537.7179	11,537.7179	0.2211	0.2115	11,607.9345
Mobile	30.5218	79.7912	332.6509	1.1347	79.4660	1.5130	80.9790	21.2355	1.3957	22.6312		85,938.2961	85,938.2961	2.9076		85,999.3554
Total	79.1156	89.8325	422.8361	1.1970	79.4660	4.1170	83.5830	21.2355	3.9851	25.2206	0.0000	119,696.8975	119,696.8975	3.7016	0.6161	119,965.6104

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	No Construction	Building Construction	1/1/2017	12/30/2016	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
No Construction	Cranes	1	7.00	226	0.29
No Construction	Forklifts	3	8.00	89	0.20
No Construction	Generator Sets	1	8.00	84	0.74
No Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
No Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
No Construction	9	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	30.5218	79.7912	332.6509	1.1347	79.4660	1.5130	80.9790	21.2355	1.3957	22.6312		85,938.2961	85,938.2961	2.9076		85,999.3554
Mitigated	30.5218	79.7912	332.6509	1.1347	79.4660	1.5130	80.9790	21.2355	1.3957	22.6312		85,938.2961	85,938.2961	2.9076		85,999.3554

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Elementary School	1,032.00	0.00	0.00	2,540,477	2,540,477
Single Family Housing	9,919.84	9,919.84	9,919.84	33,897,600	33,897,600
Total	10,951.84	9,919.84	9,919.84	36,438,078	36,438,078

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.505577	0.059791	0.182076	0.140653	0.043205	0.006799	0.016326	0.033954	0.001968	0.002512	0.004300	0.000570	0.002269

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	1.0576	9.0477	3.9181	0.0577		0.7307	0.7307		0.7307	0.7307		11,537.7179	11,537.7179	0.2211	0.2115	11,607.9345
NaturalGas Unmitigated	1.0576	9.0477	3.9181	0.0577		0.7307	0.7307		0.7307	0.7307		11,537.7179	11,537.7179	0.2211	0.2115	11,607.9345

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	1672.98	0.0180	0.1640	0.1378	9.8000e-004		0.0125	0.0125		0.0125	0.0125		196.8216	196.8216	3.7700e-003	3.6100e-003	198.0194
Single Family Housing	96397.6	1.0396	8.8837	3.7803	0.0567		0.7183	0.7183		0.7183	0.7183		11,340.8963	11,340.8963	0.2174	0.2079	11,409.9151

Total		1.0576	9.0477	3.9181	0.0577		0.7307	0.7307		0.7307	0.7307		11,537.7179	11,537.7179	0.2211	0.2115	11,607.9345

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	1.67298	0.0180	0.1640	0.1378	9.8000e-004		0.0125	0.0125		0.0125	0.0125		196.8216	196.8216	3.7700e-003	3.6100e-003	198.0194
Single Family Housing	96.3976	1.0396	8.8837	3.7803	0.0567		0.7183	0.7183		0.7183	0.7183		11,340.8963	11,340.8963	0.2174	0.2079	11,409.9151
Total		1.0576	9.0477	3.9181	0.0577		0.7307	0.7307		0.7307	0.7307		11,537.7179	11,537.7179	0.2211	0.2115	11,607.9345

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	47.5362	0.9935	86.2671	4.5500e-003		1.8734	1.8734		1.8586	1.8586	0.0000	22,220.8835	22,220.8835	0.5728	0.4045	22,358.3205
Mitigated	47.5362	0.9935	86.2671	4.5500e-003		1.8734	1.8734		1.8586	1.8586	0.0000	22,220.8835	22,220.8835	0.5728	0.4045	22,358.3205

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.4439					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	38.4612					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	2.0227	9.0000e-005	0.1103	0.0000		1.3975	1.3975		1.3828	1.3828	0.0000	22,065.8824	22,065.8824	0.4229	0.4045	22,200.1716
Landscaping	2.6084	0.9934	86.1568	4.5500e-003		0.4759	0.4759		0.4759	0.4759		155.0012	155.0012	0.1499		158.1488
Total	47.5362	0.9935	86.2671	4.5500e-003		1.8734	1.8734		1.8587	1.8587	0.0000	22,220.8835	22,220.8835	0.5728	0.4045	22,358.3205

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.4439					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	38.4612					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	2.0227	9.0000e-005	0.1103	0.0000		1.3975	1.3975		1.3828	1.3828	0.0000	22,065.8824	22,065.8824	0.4229	0.4045	22,200.1716
Landscaping	2.6084	0.9934	86.1568	4.5500e-003		0.4759	0.4759		0.4759	0.4759		155.0012	155.0012	0.1499		158.1488
Total	47.5362	0.9935	86.2671	4.5500e-003		1.8734	1.8734		1.8587	1.8587	0.0000	22,220.8835	22,220.8835	0.5728	0.4045	22,358.3205

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Rancho San Gorgonio Specific Plan - Phase 3 - Operations

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	800.00	Student	1.54	66,882.70	0
City Park	157.70	Acre	157.70	0.00	0
Single Family Housing	1,042.00	Dwelling Unit	338.31	1,875,600.00	2980

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	630.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - No buildings in the community parks.

Construction Phase - No construction

Off-road Equipment - .

Off-road Equipment -

Trips and VMT - No construction

Grading -

Vehicle Trips - traffic analysis rates

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - no wood fireplaces

Construction Off-road Equipment Mitigation - No construction

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	7,750.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	885.70	1,042.00
tblFireplaces	NumberNoFireplace	104.20	0.00
tblFireplaces	NumberWood	52.10	0.00
tblLandUse	LandUseSquareFeet	6,869,412.00	0.00
tblProjectCharacteristics	OperationalYear	2014	2022
tblTripsAndVMT	VendorTripNumber	122.00	0.00
tblTripsAndVMT	WorkerTripNumber	403.00	0.00
tblVehicleTrips	ST_TR	1.59	0.00
tblVehicleTrips	ST_TR	10.08	9.52
tblVehicleTrips	SU_TR	1.59	0.00
tblVehicleTrips	SU_TR	8.77	9.52
tblVehicleTrips	WD_TR	1.59	0.00
tblVehicleTrips	WD_TR	9.57	9.52
tblWoodstoves	NumberCatalytic	52.10	0.00
tblWoodstoves	NumberNoncatalytic	52.10	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e

Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	8.1815	0.1242	10.7710	5.7000e-004		0.0770	0.0770		0.0768	0.0768	0.0000	267.7997	267.7997	0.0218	4.5900e-003	269.6795
Energy	0.1930	1.6512	0.7151	0.0105		0.1334	0.1334		0.1334	0.1334	0.0000	4,374.1381	4,374.1381	0.1499	0.0585	4,395.4059
Mobile	5.1429	14.4091	59.4330	0.2032	13.8147	0.2671	14.0818	3.6972	0.2464	3.9437	0.0000	13,951.9034	13,951.9034	0.4661	0.0000	13,961.6923
Waste						0.0000	0.0000		0.0000	0.0000	280.4036	0.0000	280.4036	16.5714	0.0000	628.4025
Water						0.0000	0.0000		0.0000	0.0000	22.1538	1,009.5126	1,031.6664	2.3218	0.0633	1,100.0562
Total	13.5175	16.1845	70.9191	0.2143	13.8147	0.4775	14.2921	3.6972	0.4566	4.1538	302.5574	19,603.3538	19,905.9112	19.5310	0.1264	20,355.2364

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	8.1815	0.1242	10.7710	5.7000e-004		0.0770	0.0770		0.0768	0.0768	0.0000	267.7997	267.7997	0.0218	4.5900e-003	269.6795
Energy	0.1930	1.6512	0.7151	0.0105		0.1334	0.1334		0.1334	0.1334	0.0000	4,374.1381	4,374.1381	0.1499	0.0585	4,395.4059
Mobile	5.1429	14.4091	59.4330	0.2032	13.8147	0.2671	14.0818	3.6972	0.2464	3.9437	0.0000	13,951.9034	13,951.9034	0.4661	0.0000	13,961.6923

Waste						0.0000	0.0000		0.0000	0.0000	280.4036	0.0000	280.4036	16.5714	0.0000	628.4025
Water						0.0000	0.0000		0.0000	0.0000	22.1538	1,009.5126	1,031.6664	2.3214	0.0632	1,100.0208
Total	13.5175	16.1845	70.9191	0.2143	13.8147	0.4775	14.2921	3.6972	0.4566	4.1538	302.5574	19,603.3538	19,905.9112	19.5306	0.1263	20,355.2011

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	No Construction	Building Construction	1/1/2017	12/30/2016	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
No Construction	Cranes	1	7.00	226	0.29
No Construction	Forklifts	3	8.00	89	0.20
No Construction	Generator Sets	1	8.00	84	0.74
No Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
No Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
No Construction	9	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	5.1429	14.4091	59.4330	0.2032	13.8147	0.2671	14.0818	3.6972	0.2464	3.9437	0.0000	13,951.9034	13,951.9034	0.4661	0.0000	13,961.6923
Unmitigated	5.1429	14.4091	59.4330	0.2032	13.8147	0.2671	14.0818	3.6972	0.2464	3.9437	0.0000	13,951.9034	13,951.9034	0.4661	0.0000	13,961.6923

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Elementary School	1,032.00	0.00	0.00	2,540,477	2,540,477
Single Family Housing	9,919.84	9,919.84	9919.84	33,897,600	33,897,600
Total	10,951.84	9,919.84	9,919.84	36,438,078	36,438,078

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by

City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.505577	0.059791	0.182076	0.140653	0.043205	0.006799	0.016326	0.033954	0.001968	0.002512	0.004300	0.000570	0.002269

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
NaturalGas Mitigated	0.1930	1.6512	0.7151	0.0105		0.1334	0.1334		0.1334	0.1334	0.0000	1,910.1986	1,910.1986	0.0366	0.0350	1,921.8237
NaturalGas Unmitigated	0.1930	1.6512	0.7151	0.0105		0.1334	0.1334		0.1334	0.1334	0.0000	1,910.1986	1,910.1986	0.0366	0.0350	1,921.8237
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,463.9395	2,463.9395	0.1133	0.0234	2,473.5821
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,463.9395	2,463.9395	0.1133	0.0234	2,473.5821

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	610639	3.2900e-003	0.0299	0.0251	1.8000e-004		2.2700e-003	2.2700e-003		2.2700e-003	2.2700e-003	0.0000	32.5860	32.5860	6.2000e-004	6.0000e-004	32.7843
Single Family Housing	3.51851e+007	0.1897	1.6213	0.6899	0.0104		0.1311	0.1311		0.1311	0.1311	0.0000	1,877.6126	1,877.6126	0.0360	0.0344	1,889.0394
Total		0.1930	1.6512	0.7150	0.0105		0.1334	0.1334		0.1334	0.1334	0.0000	1,910.1986	1,910.1986	0.0366	0.0350	1,921.8237

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	610639	3.2900e-003	0.0299	0.0251	1.8000e-004		2.2700e-003	2.2700e-003		2.2700e-003	2.2700e-003	0.0000	32.5860	32.5860	6.2000e-004	6.0000e-004	32.7843
Single Family Housing	3.51851e+007	0.1897	1.6213	0.6899	0.0104		0.1311	0.1311		0.1311	0.1311	0.0000	1,877.6126	1,877.6126	0.0360	0.0344	1,889.0394
Total		0.1930	1.6512	0.7150	0.0105		0.1334	0.1334		0.1334	0.1334	0.0000	1,910.1986	1,910.1986	0.0366	0.0350	1,921.8237

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	607964	173.9791	8.0000e-003	1.6500e-003	174.6600

Single Family Housing	8.00218e+006	2,289.9604	0.1053	0.0218	2,298.9222
Total		2,463.9395	0.1133	0.0234	2,473.5821

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	607964	173.9791	8.0000e-003	1.6500e-003	174.6600
Single Family Housing	8.00218e+006	2,289.9604	0.1053	0.0218	2,298.9222
Total		2,463.9395	0.1133	0.0234	2,473.5821

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	8.1815	0.1242	10.7710	5.7000e-004		0.0770	0.0770		0.0768	0.0768	0.0000	267.7997	267.7997	0.0218	4.5900e-003	269.6795
Unmitigated	8.1815	0.1242	10.7710	5.7000e-004		0.0770	0.0770		0.0768	0.0768	0.0000	267.7997	267.7997	0.0218	4.5900e-003	269.6795

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.8110					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	7.0192					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0253	0.0000	1.3800e-003	0.0000		0.0175	0.0175		0.0173	0.0173	0.0000	250.2229	250.2229	4.8000e-003	4.5900e-003	251.7457
Landscaping	0.3261	0.1242	10.7696	5.7000e-004		0.0595	0.0595		0.0595	0.0595	0.0000	17.5768	17.5768	0.0170	0.0000	17.9338
Total	8.1815	0.1242	10.7710	5.7000e-004		0.0770	0.0770		0.0768	0.0768	0.0000	267.7997	267.7997	0.0218	4.5900e-003	269.6795

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.8110					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	7.0192					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0253	0.0000	1.3800e-003	0.0000		0.0175	0.0175		0.0173	0.0173	0.0000	250.2229	250.2229	4.8000e-003	4.5900e-003	251.7457
Landscaping	0.3261	0.1242	10.7696	5.7000e-004		0.0595	0.0595		0.0595	0.0595	0.0000	17.5768	17.5768	0.0170	0.0000	17.9338
Total	8.1815	0.1242	10.7710	5.7000e-004		0.0770	0.0770		0.0768	0.0768	0.0000	267.7997	267.7997	0.0218	4.5900e-003	269.6795

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Unmitigated	1,031.6664	2.3218	0.0633	1,100.0562
Mitigated	1,031.6664	2.3214	0.0632	1,100.0208

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 187.897	597.3824	0.0275	5.6800e-003	599.7202
Elementary School	1.93939 / 4.98701	23.6971	0.0643	1.7100e-003	25.5771
Single Family Housing	67.8905 / 42.8005	410.5870	2.2301	0.0559	474.7589
Total		1,031.6664	2.3218	0.0633	1,100.0562

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e

Land Use	Mgal	MT/yr			
City Park	0 / 187.897	597.3824	0.0275	5.6800e-003	599.7202
Elementary School	1.93939 / 4.98701	23.6971	0.0642	1.7100e-003	25.5761
Single Family Housing	67.8905 / 42.8005	410.5870	2.2297	0.0559	474.7245
Total		1,031.6664	2.3214	0.0632	1,100.0208

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	280.4036	16.5714	0.0000	628.4025
Unmitigated	280.4036	16.5714	0.0000	628.4025

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			

City Park	13.56	2.7526	0.1627	0.0000	6.1687
Elementary School	146	29.6367	1.7515	0.0000	66.4177
Single Family Housing	1221.8	248.0144	14.6572	0.0000	555.8162
Total		280.4036	16.5714	0.0000	628.4025

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	13.56	2.7526	0.1627	0.0000	6.1687
Elementary School	146	29.6367	1.7515	0.0000	66.4177
Single Family Housing	1221.8	248.0144	14.6572	0.0000	555.8162
Total		280.4036	16.5714	0.0000	628.4025

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Rancho San Gorgonio Specific Plan - Phase 4

South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	800.00	Student	1.54	66,882.70	0
Other Non-Asphalt Surfaces	161.00	Acre	161.00	0.00	0
City Park	25.00	Acre	25.00	50,000.00	0
Apartments Low Rise	488.00	Dwelling Unit	30.50	488,000.00	1396
Retirement Community	754.00	Dwelling Unit	150.80	754,000.00	2156
Single Family Housing	1,086.00	Dwelling Unit	352.60	1,954,800.00	3106
Regional Shopping Center	101.60	1000sqft	2.33	101,604.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - No buildings in the community parks (represented by Other Non-Asphalt Surfaces), assume 1 small building in main park.

Construction Phase - No construction

Off-road Equipment - .

Off-road Equipment -

Trips and VMT - No construction

Grading -

Vehicle Trips - traffic analysis rates

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - no wood fireplaces

Energy Use -

Water And Wastewater - Other Non-Asphalt Surfaces represents Neighborhood Parks, set water usage rate to match City Park.

Solid Waste - Other Non-Asphalt Surfaces represents Neighborhood Parks, set waste rate to match City Park.

Construction Off-road Equipment Mitigation - No construction

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	12,400.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	414.80	488.00
tblFireplaces	NumberGas	640.90	754.00
tblFireplaces	NumberGas	923.10	1,086.00
tblFireplaces	NumberNoFireplace	48.80	0.00
tblFireplaces	NumberNoFireplace	75.40	0.00
tblFireplaces	NumberNoFireplace	108.60	0.00
tblFireplaces	NumberWood	24.40	0.00
tblFireplaces	NumberWood	37.70	0.00
tblFireplaces	NumberWood	54.30	0.00
tblLandUse	LandUseSquareFeet	7,013,160.00	0.00
tblLandUse	LandUseSquareFeet	1,089,000.00	50,000.00
tblProjectCharacteristics	OperationalYear	2014	2025
tblSolidWaste	SolidWasteGenerationRate	0.00	13.80

tblTripsAndVMT	VendorTripNumber	285.00	0.00
tblTripsAndVMT	WorkerTripNumber	1,367.00	0.00
tblVehicleTrips	ST_TR	7.16	6.65
tblVehicleTrips	ST_TR	1.59	50.00
tblVehicleTrips	ST_TR	2.81	3.68
tblVehicleTrips	ST_TR	10.08	9.52
tblVehicleTrips	ST_TR	49.97	60.03
tblVehicleTrips	SU_TR	6.07	6.65
tblVehicleTrips	SU_TR	1.59	50.00
tblVehicleTrips	SU_TR	2.81	3.68
tblVehicleTrips	SU_TR	8.77	9.52
tblVehicleTrips	SU_TR	25.24	60.03
tblVehicleTrips	WD_TR	6.59	6.65
tblVehicleTrips	WD_TR	1.59	50.00
tblVehicleTrips	WD_TR	2.81	3.68
tblVehicleTrips	WD_TR	9.57	9.52
tblVehicleTrips	WD_TR	42.94	60.03
tblWater	OutdoorWaterUseRate	0.00	191,828,497.00
tblWoodstoves	NumberCatalytic	24.40	0.00
tblWoodstoves	NumberCatalytic	37.70	0.00
tblWoodstoves	NumberCatalytic	54.30	0.00
tblWoodstoves	NumberNoncatalytic	24.40	0.00
tblWoodstoves	NumberNoncatalytic	37.70	0.00
tblWoodstoves	NumberNoncatalytic	54.30	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	86.1507	2.2115	192.2382	0.0102		4.1873	4.1873		4.1545	4.1545	0.0000	49,644.8913	49,644.8913	1.2767	0.9038	49,951.8834
Energy	1.7654	15.0997	6.5196	0.0963		1.2197	1.2197		1.2197	1.2197		19,258.7393	19,258.7393	0.3691	0.3531	19,375.9448
Mobile	58.4212	130.5572	628.8854	2.4624	161.8243	3.1715	164.9958	43.2491	2.9266	46.1756		180,938.9401	180,938.9401	5.4121		181,052.5951
Total	146.3373	147.8683	827.6432	2.5688	161.8243	8.5786	170.4028	43.2491	8.3008	51.5498	0.0000	249,842.5707	249,842.5707	7.0580	1.2569	250,380.4232

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	86.1507	2.2115	192.2382	0.0102		4.1873	4.1873		4.1545	4.1545	0.0000	49,644.8913	49,644.8913	1.2767	0.9038	49,951.8834
Energy	1.7654	15.0997	6.5196	0.0963		1.2197	1.2197		1.2197	1.2197		19,258.7393	19,258.7393	0.3691	0.3531	19,375.9448

Mobile	58.4212	130.5572	628.8854	2.4624	161.8243	3.1715	164.9958	43.2491	2.9266	46.1756		180,938.9401	180,938.9401	5.4121		181,052.5951
Total	146.3373	147.8683	827.6432	2.5688	161.8243	8.5786	170.4028	43.2491	8.3008	51.5498	0.0000	249,842.5707	249,842.5707	7.0580	1.2569	250,380.4232

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	No Construction	Building Construction	1/1/2017	12/30/2016	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
No Construction	Cranes	1	7.00	226	0.29
No Construction	Forklifts	3	8.00	89	0.20
No Construction	Generator Sets	1	8.00	84	0.74
No Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
No Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
No Construction	9	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	58.4212	130.5572	628.8854	2.4624	161.8243	3.1715	164.9958	43.2491	2.9266	46.1756		180,938.9401	180,938.9401	5.4121		181,052.5951
Mitigated	58.4212	130.5572	628.8854	2.4624	161.8243	3.1715	164.9958	43.2491	2.9266	46.1756		180,938.9401	180,938.9401	5.4121		181,052.5951

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	3,245.20	3,245.20	3245.20	11,089,341	11,089,341
City Park	1,250.00	1,250.00	1250.00	3,596,925	3,596,925
Elementary School	1,032.00	0.00	0.00	2,540,477	2,540,477
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Retirement Community	2,774.72	2,774.72	2774.72	9,481,640	9,481,640
Single Family Housing	10,338.72	10,338.72	10338.72	35,328,977	35,328,977
Regional Shopping Center	6,099.29	6,099.29	6099.29	13,191,808	13,191,808
Total	24,739.93	23,707.93	23,707.93	75,229,169	75,229,169

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Retirement Community	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.500116	0.060136	0.182997	0.141937	0.043982	0.006974	0.016541	0.035595	0.002005	0.002529	0.004193	0.000558	0.002437

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	1.7654	15.0997	6.5196	0.0963		1.2197	1.2197		1.2197	1.2197		19,258.7393	19,258.7393	0.3691	0.3531	19,375.9448
NaturalGas Unmitigated	1.7654	15.0997	6.5196	0.0963		1.2197	1.2197		1.2197	1.2197		19,258.7393	19,258.7393	0.3691	0.3531	19,375.9448

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	18346.4	0.1979	1.6908	0.7195	0.0108		0.1367	0.1367		0.1367	0.1367		2,158.3992	2,158.3992	0.0414	0.0396	2,171.5349
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	1672.98	0.0180	0.1640	0.1378	9.8000e-004		0.0125	0.0125		0.0125	0.0125		196.8216	196.8216	3.7700e-003	3.6100e-003	198.0194
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	645.812	6.9600e-003	0.0633	0.0532	3.8000e-004		4.8100e-003	4.8100e-003		4.8100e-003	4.8100e-003		75.9779	75.9779	1.4600e-003	1.3900e-003	76.4402
Retirement Community	42565.9	0.4590	3.9227	1.6693	0.0250		0.3172	0.3172		0.3172	0.3172		5,007.7581	5,007.7581	0.0960	0.0918	5,038.2345
Single Family Housing	100468	1.0835	9.2588	3.9399	0.0591		0.7486	0.7486		0.7486	0.7486		11,819.7825	11,819.7825	0.2266	0.2167	11,891.7157
Total		1.7654	15.0997	6.5196	0.0963		1.2197	1.2197		1.2197	1.2197		19,258.7393	19,258.7393	0.3691	0.3531	19,375.9448

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	18.3464	0.1979	1.6908	0.7195	0.0108		0.1367	0.1367		0.1367	0.1367		2,158.3992	2,158.3992	0.0414	0.0396	2,171.5349
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	1.67298	0.0180	0.1640	0.1378	9.8000e-004		0.0125	0.0125		0.0125	0.0125		196.8216	196.8216	3.7700e-003	3.6100e-003	198.0194
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.645812	6.9600e-003	0.0633	0.0532	3.8000e-004		4.8100e-003	4.8100e-003		4.8100e-003	4.8100e-003		75.9779	75.9779	1.4600e-003	1.3900e-003	76.4402

Retirement Community	42.5659	0.4590	3.9227	1.6693	0.0250		0.3172	0.3172		0.3172	0.3172		5,007.7581	5,007.7581	0.0960	0.0918	5,038.2345
Single Family Housing	100.468	1.0835	9.2588	3.9399	0.0591		0.7486	0.7486		0.7486	0.7486		11,819.7825	11,819.7825	0.2266	0.2167	11,891.7157
Total		1.7654	15.0997	6.5196	0.0963		1.2197	1.2197		1.2197	1.2197		19,258.7393	19,258.7393	0.3691	0.3531	19,375.9448

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	86.1507	2.2115	192.2382	0.0102		4.1873	4.1873		4.1545	4.1545	0.0000	49,644.8913	49,644.8913	1.2767	0.9038	49,951.8834
Mitigated	86.1507	2.2115	192.2382	0.0102		4.1873	4.1873		4.1545	4.1545	0.0000	49,644.8913	49,644.8913	1.2767	0.9038	49,951.8834

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.2376					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	67.6227					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	4.5191	2.1000e-004	0.2465	0.0000		3.1223	3.1223		3.0894	3.0894	0.0000	49,298.8235	49,298.8235	0.9449	0.9038	49,598.8480

Landscaping	5.7713	2.2112	191.9917	0.0102		1.0651	1.0651		1.0651	1.0651		346.0678	346.0678	0.3318		353.0354
Total	86.1507	2.2115	192.2382	0.0102		4.1873	4.1873		4.1545	4.1545	0.0000	49,644.8913	49,644.8913	1.2767	0.9038	49,951.8834

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.2376					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	67.6227					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	4.5191	2.1000e-004	0.2465	0.0000		3.1223	3.1223		3.0894	3.0894	0.0000	49,298.8235	49,298.8235	0.9449	0.9038	49,598.8480
Landscaping	5.7713	2.2112	191.9917	0.0102		1.0651	1.0651		1.0651	1.0651		346.0678	346.0678	0.3318		353.0354
Total	86.1507	2.2115	192.2382	0.0102		4.1873	4.1873		4.1545	4.1545	0.0000	49,644.8913	49,644.8913	1.2767	0.9038	49,951.8834

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Rancho San Gorgonio Specific Plan - Phase 4

South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	800.00	Student	1.54	66,882.70	0
Other Non-Asphalt Surfaces	161.00	Acre	161.00	0.00	0
City Park	25.00	Acre	25.00	50,000.00	0
Apartments Low Rise	488.00	Dwelling Unit	30.50	488,000.00	1396
Retirement Community	754.00	Dwelling Unit	150.80	754,000.00	2156
Single Family Housing	1,086.00	Dwelling Unit	352.60	1,954,800.00	3106
Regional Shopping Center	101.60	1000sqft	2.33	101,604.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - No buildings in the community parks (represented by Other Non-Asphalt Surfaces), assume 1 small building in main park.

Construction Phase - No construction

Off-road Equipment - .

Off-road Equipment -

Trips and VMT - No construction

Grading -

Vehicle Trips - traffic analysis rates

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - no wood fireplaces

Energy Use -

Water And Wastewater - Other Non-Asphalt Surfaces represents Neighborhood Parks, set water usage rate to match City Park.

Solid Waste - Other Non-Asphalt Surfaces represents Neighborhood Parks, set waste rate to match City Park.

Construction Off-road Equipment Mitigation - No construction

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	12,400.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	414.80	488.00
tblFireplaces	NumberGas	640.90	754.00
tblFireplaces	NumberGas	923.10	1,086.00
tblFireplaces	NumberNoFireplace	48.80	0.00
tblFireplaces	NumberNoFireplace	75.40	0.00
tblFireplaces	NumberNoFireplace	108.60	0.00
tblFireplaces	NumberWood	24.40	0.00
tblFireplaces	NumberWood	37.70	0.00
tblFireplaces	NumberWood	54.30	0.00
tblLandUse	LandUseSquareFeet	7,013,160.00	0.00
tblLandUse	LandUseSquareFeet	1,089,000.00	50,000.00
tblProjectCharacteristics	OperationalYear	2014	2025
tblSolidWaste	SolidWasteGenerationRate	0.00	13.80

tblTripsAndVMT	VendorTripNumber	285.00	0.00
tblTripsAndVMT	WorkerTripNumber	1,367.00	0.00
tblVehicleTrips	ST_TR	7.16	6.65
tblVehicleTrips	ST_TR	1.59	50.00
tblVehicleTrips	ST_TR	2.81	3.68
tblVehicleTrips	ST_TR	10.08	9.52
tblVehicleTrips	ST_TR	49.97	60.03
tblVehicleTrips	SU_TR	6.07	6.65
tblVehicleTrips	SU_TR	1.59	50.00
tblVehicleTrips	SU_TR	2.81	3.68
tblVehicleTrips	SU_TR	8.77	9.52
tblVehicleTrips	SU_TR	25.24	60.03
tblVehicleTrips	WD_TR	6.59	6.65
tblVehicleTrips	WD_TR	1.59	50.00
tblVehicleTrips	WD_TR	2.81	3.68
tblVehicleTrips	WD_TR	9.57	9.52
tblVehicleTrips	WD_TR	42.94	60.03
tblWater	OutdoorWaterUseRate	0.00	191,828,497.00
tblWoodstoves	NumberCatalytic	24.40	0.00
tblWoodstoves	NumberCatalytic	37.70	0.00
tblWoodstoves	NumberCatalytic	54.30	0.00
tblWoodstoves	NumberNoncatalytic	24.40	0.00
tblWoodstoves	NumberNoncatalytic	37.70	0.00
tblWoodstoves	NumberNoncatalytic	54.30	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	86.1507	2.2115	192.2382	0.0102		4.1873	4.1873		4.1545	4.1545	0.0000	49,644.8913	49,644.8913	1.2767	0.9038	49,951.8834
Energy	1.7654	15.0997	6.5196	0.0963		1.2197	1.2197		1.2197	1.2197		19,258.7393	19,258.7393	0.3691	0.3531	19,375.9448
Mobile	60.1327	137.0072	625.3541	2.3385	161.8243	3.1812	165.0055	43.2491	2.9355	46.1846		172,479.4741	172,479.4741	5.4211		172,593.3172
Total	148.0488	154.3183	824.1119	2.4450	161.8243	8.5883	170.4125	43.2491	8.3097	51.5588	0.0000	241,383.1047	241,383.1047	7.0669	1.2569	241,921.1454

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	86.1507	2.2115	192.2382	0.0102		4.1873	4.1873		4.1545	4.1545	0.0000	49,644.8913	49,644.8913	1.2767	0.9038	49,951.8834
Energy	1.7654	15.0997	6.5196	0.0963		1.2197	1.2197		1.2197	1.2197		19,258.7393	19,258.7393	0.3691	0.3531	19,375.9448

Mobile	60.1327	137.0072	625.3541	2.3385	161.8243	3.1812	165.0055	43.2491	2.9355	46.1846		172,479.4741	172,479.4741	5.4211		172,593.3172
Total	148.0488	154.3183	824.1119	2.4450	161.8243	8.5883	170.4125	43.2491	8.3097	51.5588	0.0000	241,383.1047	241,383.1047	7.0669	1.2569	241,921.1454

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	No Construction	Building Construction	1/1/2017	12/30/2016	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
No Construction	Cranes	1	7.00	226	0.29
No Construction	Forklifts	3	8.00	89	0.20
No Construction	Generator Sets	1	8.00	84	0.74
No Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
No Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
No Construction	9	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	60.1327	137.0072	625.3541	2.3385	161.8243	3.1812	165.0055	43.2491	2.9355	46.1846		172,479.4741	172,479.4741	5.4211		172,593.3172
Mitigated	60.1327	137.0072	625.3541	2.3385	161.8243	3.1812	165.0055	43.2491	2.9355	46.1846		172,479.4741	172,479.4741	5.4211		172,593.3172

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	3,245.20	3,245.20	3245.20	11,089,341	11,089,341
City Park	1,250.00	1,250.00	1250.00	3,596,925	3,596,925
Elementary School	1,032.00	0.00	0.00	2,540,477	2,540,477
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Retirement Community	2,774.72	2,774.72	2774.72	9,481,640	9,481,640
Single Family Housing	10,338.72	10,338.72	10338.72	35,328,977	35,328,977
Regional Shopping Center	6,099.29	6,099.29	6099.29	13,191,808	13,191,808
Total	24,739.93	23,707.93	23,707.93	75,229,169	75,229,169

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Retirement Community	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.500116	0.060136	0.182997	0.141937	0.043982	0.006974	0.016541	0.035595	0.002005	0.002529	0.004193	0.000558	0.002437

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	1.7654	15.0997	6.5196	0.0963		1.2197	1.2197		1.2197	1.2197		19,258.7393	19,258.7393	0.3691	0.3531	19,375.9448
NaturalGas Unmitigated	1.7654	15.0997	6.5196	0.0963		1.2197	1.2197		1.2197	1.2197		19,258.7393	19,258.7393	0.3691	0.3531	19,375.9448

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	18346.4	0.1979	1.6908	0.7195	0.0108		0.1367	0.1367		0.1367	0.1367		2,158.3992	2,158.3992	0.0414	0.0396	2,171.5349
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	1672.98	0.0180	0.1640	0.1378	9.8000e-004		0.0125	0.0125		0.0125	0.0125		196.8216	196.8216	3.7700e-003	3.6100e-003	198.0194
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	645.812	6.9600e-003	0.0633	0.0532	3.8000e-004		4.8100e-003	4.8100e-003		4.8100e-003	4.8100e-003		75.9779	75.9779	1.4600e-003	1.3900e-003	76.4402
Retirement Community	42565.9	0.4590	3.9227	1.6693	0.0250		0.3172	0.3172		0.3172	0.3172		5,007.7581	5,007.7581	0.0960	0.0918	5,038.2345
Single Family Housing	100468	1.0835	9.2588	3.9399	0.0591		0.7486	0.7486		0.7486	0.7486		11,819.7825	11,819.7825	0.2266	0.2167	11,891.7157
Total		1.7654	15.0997	6.5196	0.0963		1.2197	1.2197		1.2197	1.2197		19,258.7393	19,258.7393	0.3691	0.3531	19,375.9448

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	18.3464	0.1979	1.6908	0.7195	0.0108		0.1367	0.1367		0.1367	0.1367		2,158.3992	2,158.3992	0.0414	0.0396	2,171.5349
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	1.67298	0.0180	0.1640	0.1378	9.8000e-004		0.0125	0.0125		0.0125	0.0125		196.8216	196.8216	3.7700e-003	3.6100e-003	198.0194
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.645812	6.9600e-003	0.0633	0.0532	3.8000e-004		4.8100e-003	4.8100e-003		4.8100e-003	4.8100e-003		75.9779	75.9779	1.4600e-003	1.3900e-003	76.4402

Retirement Community	42.5659	0.4590	3.9227	1.6693	0.0250		0.3172	0.3172		0.3172	0.3172		5,007.7581	5,007.7581	0.0960	0.0918	5,038.2345
Single Family Housing	100.468	1.0835	9.2588	3.9399	0.0591		0.7486	0.7486		0.7486	0.7486		11,819.7825	11,819.7825	0.2266	0.2167	11,891.7157
Total		1.7654	15.0997	6.5196	0.0963		1.2197	1.2197		1.2197	1.2197		19,258.7393	19,258.7393	0.3691	0.3531	19,375.9448

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	86.1507	2.2115	192.2382	0.0102		4.1873	4.1873		4.1545	4.1545	0.0000	49,644.8913	49,644.8913	1.2767	0.9038	49,951.8834
Mitigated	86.1507	2.2115	192.2382	0.0102		4.1873	4.1873		4.1545	4.1545	0.0000	49,644.8913	49,644.8913	1.2767	0.9038	49,951.8834

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.2376					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	67.6227					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	4.5191	2.1000e-004	0.2465	0.0000		3.1223	3.1223		3.0894	3.0894	0.0000	49,298.8235	49,298.8235	0.9449	0.9038	49,598.8480

Landscaping	5.7713	2.2112	191.9917	0.0102		1.0651	1.0651		1.0651	1.0651		346.0678	346.0678	0.3318		353.0354
Total	86.1507	2.2115	192.2382	0.0102		4.1873	4.1873		4.1545	4.1545	0.0000	49,644.8913	49,644.8913	1.2767	0.9038	49,951.8834

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.2376					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	67.6227					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	4.5191	2.1000e-004	0.2465	0.0000		3.1223	3.1223		3.0894	3.0894	0.0000	49,298.8235	49,298.8235	0.9449	0.9038	49,598.8480
Landscaping	5.7713	2.2112	191.9917	0.0102		1.0651	1.0651		1.0651	1.0651		346.0678	346.0678	0.3318		353.0354
Total	86.1507	2.2115	192.2382	0.0102		4.1873	4.1873		4.1545	4.1545	0.0000	49,644.8913	49,644.8913	1.2767	0.9038	49,951.8834

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Rancho San Gorgonio Specific Plan - Phase 4

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	800.00	Student	1.54	66,882.70	0
Other Non-Asphalt Surfaces	161.00	Acre	161.00	0.00	0
City Park	25.00	Acre	25.00	50,000.00	0
Apartments Low Rise	488.00	Dwelling Unit	30.50	488,000.00	1396
Retirement Community	754.00	Dwelling Unit	150.80	754,000.00	2156
Single Family Housing	1,086.00	Dwelling Unit	352.60	1,954,800.00	3106
Regional Shopping Center	101.60	1000sqft	2.33	101,604.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - No buildings in the community parks (represented by Other Non-Asphalt Surfaces), assume 1 small building in main park.

Construction Phase - No construction

Off-road Equipment - .

Off-road Equipment -

Trips and VMT - No construction

Grading -

Vehicle Trips - traffic analysis rates

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - no wood fireplaces

Energy Use -

Water And Wastewater - Other Non-Asphalt Surfaces represents Neighborhood Parks, set water usage rate to match City Park.

Solid Waste - Other Non-Asphalt Surfaces represents Neighborhood Parks, set waste rate to match City Park.

Construction Off-road Equipment Mitigation - No construction

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	12,400.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	414.80	488.00
tblFireplaces	NumberGas	640.90	754.00
tblFireplaces	NumberGas	923.10	1,086.00
tblFireplaces	NumberNoFireplace	48.80	0.00
tblFireplaces	NumberNoFireplace	75.40	0.00
tblFireplaces	NumberNoFireplace	108.60	0.00
tblFireplaces	NumberWood	24.40	0.00
tblFireplaces	NumberWood	37.70	0.00
tblFireplaces	NumberWood	54.30	0.00
tblLandUse	LandUseSquareFeet	7,013,160.00	0.00
tblLandUse	LandUseSquareFeet	1,089,000.00	50,000.00
tblProjectCharacteristics	OperationalYear	2014	2025
tblSolidWaste	SolidWasteGenerationRate	0.00	13.80

tblTripsAndVMT	VendorTripNumber	285.00	0.00
tblTripsAndVMT	WorkerTripNumber	1,367.00	0.00
tblVehicleTrips	ST_TR	7.16	6.65
tblVehicleTrips	ST_TR	1.59	50.00
tblVehicleTrips	ST_TR	2.81	3.68
tblVehicleTrips	ST_TR	10.08	9.52
tblVehicleTrips	ST_TR	49.97	60.03
tblVehicleTrips	SU_TR	6.07	6.65
tblVehicleTrips	SU_TR	1.59	50.00
tblVehicleTrips	SU_TR	2.81	3.68
tblVehicleTrips	SU_TR	8.77	9.52
tblVehicleTrips	SU_TR	25.24	60.03
tblVehicleTrips	WD_TR	6.59	6.65
tblVehicleTrips	WD_TR	1.59	50.00
tblVehicleTrips	WD_TR	2.81	3.68
tblVehicleTrips	WD_TR	9.57	9.52
tblVehicleTrips	WD_TR	42.94	60.03
tblWater	OutdoorWaterUseRate	0.00	191,828,497.00
tblWoodstoves	NumberCatalytic	24.40	0.00
tblWoodstoves	NumberCatalytic	37.70	0.00
tblWoodstoves	NumberCatalytic	54.30	0.00
tblWoodstoves	NumberNoncatalytic	24.40	0.00
tblWoodstoves	NumberNoncatalytic	37.70	0.00
tblWoodstoves	NumberNoncatalytic	54.30	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	14.6224	0.2764	24.0021	1.2700e-003		0.1722	0.1722		0.1718	0.1718	0.0000	598.2827	598.2827	0.0483	0.0103	602.4750
Energy	0.3222	2.7557	1.1898	0.0176		0.2226	0.2226		0.2226	0.2226	0.0000	7,826.1291	7,826.1291	0.2743	0.1026	7,863.6832
Mobile	10.2542	25.1068	113.1282	0.4248	28.5315	0.5696	29.1012	7.6368	0.5256	8.1625	0.0000	28,397.2594	28,397.2594	0.8813	0.0000	28,415.7674
Waste						0.0000	0.0000		0.0000	0.0000	429.0031	0.0000	429.0031	25.3534	0.0000	961.4237
Water						0.0000	0.0000		0.0000	0.0000	51.1235	1,639.5728	1,690.6963	5.3262	0.1396	1,845.8163
Total	25.1988	28.1389	138.3200	0.4436	28.5315	0.9644	29.4959	7.6368	0.9200	8.5568	480.1266	38,461.2440	38,941.3706	31.8836	0.2524	39,689.1655

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Area	14.6224	0.2764	24.0021	1.2700e-003		0.1722	0.1722		0.1718	0.1718	0.0000	598.2827	598.2827	0.0483	0.0103	602.4750
Energy	0.3222	2.7557	1.1898	0.0176		0.2226	0.2226		0.2226	0.2226	0.0000	7,826.1291	7,826.1291	0.2743	0.1026	7,863.6832
Mobile	10.2542	25.1068	113.1282	0.4248	28.5315	0.5696	29.1012	7.6368	0.5256	8.1625	0.0000	28,397.2594	28,397.2594	0.8813	0.0000	28,415.7674
Waste						0.0000	0.0000		0.0000	0.0000	429.0031	0.0000	429.0031	25.3534	0.0000	961.4237
Water						0.0000	0.0000		0.0000	0.0000	51.1235	1,639.5728	1,690.6963	5.3253	0.1394	1,845.7347
Total	25.1988	28.1389	138.3200	0.4436	28.5315	0.9644	29.4959	7.6368	0.9200	8.5568	480.1266	38,461.2440	38,941.3706	31.8826	0.2522	39,689.0840

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	No Construction	Building Construction	1/1/2017	12/30/2016	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
No Construction	Cranes	1	7.00	226	0.29
No Construction	Forklifts	3	8.00	89	0.20
No Construction	Generator Sets	1	8.00	84	0.74

No Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
No Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
No Construction	9	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	10.2542	25.1068	113.1282	0.4248	28.5315	0.5696	29.1012	7.6368	0.5256	8.1625	0.0000	28,397.2594	28,397.2594	0.8813	0.0000	28,415.7674
Unmitigated	10.2542	25.1068	113.1282	0.4248	28.5315	0.5696	29.1012	7.6368	0.5256	8.1625	0.0000	28,397.2594	28,397.2594	0.8813	0.0000	28,415.7674

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	3,245.20	3,245.20	3245.20	11,089,341	11,089,341
City Park	1,250.00	1,250.00	1250.00	3,596,925	3,596,925
Elementary School	1,032.00	0.00	0.00	2,540,477	2,540,477
Other Non-Asphalt Surfaces	0.00	0.00	0.00		

Retirement Community	2,774.72	2,774.72	2774.72	9,481,640	9,481,640
Single Family Housing	10,338.72	10,338.72	10338.72	35,328,977	35,328,977
Regional Shopping Center	6,099.29	6,099.29	6099.29	13,191,808	13,191,808
Total	24,739.93	23,707.93	23,707.93	75,229,169	75,229,169

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Retirement Community	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.500116	0.060136	0.182997	0.141937	0.043982	0.006974	0.016541	0.035595	0.002005	0.002529	0.004193	0.000558	0.002437

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
NaturalGas Mitigated	0.3222	2.7557	1.1898	0.0176		0.2226	0.2226		0.2226	0.2226	0.0000	3,188.5003	3,188.5003	0.0611	0.0585	3,207.9050
NaturalGas Unmitigated	0.3222	2.7557	1.1898	0.0176		0.2226	0.2226		0.2226	0.2226	0.0000	3,188.5003	3,188.5003	0.0611	0.0585	3,207.9050

Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	4,637.6288	4,637.6288	0.2132	0.0441	4,655.7783
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	4,637.6288	4,637.6288	0.2132	0.0441	4,655.7783

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	6.69643e+006	0.0361	0.3086	0.1313	1.9700e-003		0.0250	0.0250		0.0250	0.0250	0.0000	357.3472	357.3472	6.8500e-003	6.5500e-003	359.5220
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	610639	3.2900e-003	0.0299	0.0251	1.8000e-004		2.2700e-003	2.2700e-003		2.2700e-003	2.2700e-003	0.0000	32.5860	32.5860	6.2000e-004	6.0000e-004	32.7843
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	235721	1.2700e-003	0.0116	9.7100e-003	7.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004	0.0000	12.5790	12.5790	2.4000e-004	2.3000e-004	12.6555
Retirement Community	1.55366e+007	0.0838	0.7159	0.3046	4.5700e-003		0.0579	0.0579		0.0579	0.0579	0.0000	829.0905	829.0905	0.0159	0.0152	834.1362
Single Family Housing	3.66709e+007	0.1977	1.6897	0.7190	0.0108		0.1366	0.1366		0.1366	0.1366	0.0000	1,956.8976	1,956.8976	0.0375	0.0359	1,968.8069
Total		0.3222	2.7557	1.1898	0.0176		0.2226	0.2226		0.2226	0.2226	0.0000	3,188.5003	3,188.5003	0.0611	0.0585	3,207.9050

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					

Apartments Low Rise	6.69643e+006	0.0361	0.3086	0.1313	1.9700e-003		0.0250	0.0250		0.0250	0.0250	0.0000	357.3472	357.3472	6.8500e-003	6.5500e-003	359.5220
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	610639	3.2900e-003	0.0299	0.0251	1.8000e-004		2.2700e-003	2.2700e-003		2.2700e-003	2.2700e-003	0.0000	32.5860	32.5860	6.2000e-004	6.0000e-004	32.7843
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	235721	1.2700e-003	0.0116	9.7100e-003	7.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004	0.0000	12.5790	12.5790	2.4000e-004	2.3000e-004	12.6555
Retirement Community	1.55366e+007	0.0838	0.7159	0.3046	4.5700e-003		0.0579	0.0579		0.0579	0.0579	0.0000	829.0905	829.0905	0.0159	0.0152	834.1362
Single Family Housing	3.66709e+007	0.1977	1.6897	0.7190	0.0108		0.1366	0.1366		0.1366	0.1366	0.0000	1,956.8976	1,956.8976	0.0375	0.0359	1,968.8069
Total		0.3222	2.7557	1.1898	0.0176		0.2226	0.2226		0.2226	0.2226	0.0000	3,188.5003	3,188.5003	0.0611	0.0585	3,207.9050

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.98998e+006	569.4653	0.0262	5.4200e-003	571.6939
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	607964	173.9791	8.0000e-003	1.6500e-003	174.6600
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.59112e+006	455.3255	0.0209	4.3300e-003	457.1074
Retirement Community	3.67688e+006	1,052.2016	0.0484	0.0100	1,056.3194
Single Family Housing	8.34009e+006	2,386.6574	0.1097	0.0227	2,395.9976
Total		4,637.6288	0.2132	0.0441	4,655.7782

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.98998e+006	569.4653	0.0262	5.4200e-003	571.6939
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	607964	173.9791	8.0000e-003	1.6500e-003	174.6600
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.59112e+006	455.3255	0.0209	4.3300e-003	457.1074
Retirement Community	3.67688e+006	1,052.2016	0.0484	0.0100	1,056.3194
Single Family Housing	8.34009e+006	2,386.6574	0.1097	0.0227	2,395.9976
Total		4,637.6288	0.2132	0.0441	4,655.7782

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	14.6224	0.2764	24.0021	1.2700e-003		0.1722	0.1722		0.1718	0.1718	0.0000	598.2827	598.2827	0.0483	0.0103	602.4750
Unmitigated	14.6224	0.2764	24.0021	1.2700e-003		0.1722	0.1722		0.1718	0.1718	0.0000	598.2827	598.2827	0.0483	0.0103	602.4750

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.5034					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	12.3411					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0565	0.0000	3.0800e-003	0.0000		0.0390	0.0390		0.0386	0.0386	0.0000	559.0393	559.0393	0.0107	0.0103	562.4415
Landscaping	0.7214	0.2764	23.9990	1.2700e-003		0.1331	0.1331		0.1331	0.1331	0.0000	39.2434	39.2434	0.0376	0.0000	40.0335
Total	14.6224	0.2764	24.0021	1.2700e-003		0.1722	0.1722		0.1718	0.1718	0.0000	598.2827	598.2827	0.0483	0.0103	602.4750

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.5034					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	12.3411					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0565	0.0000	3.0800e-003	0.0000		0.0390	0.0390		0.0386	0.0386	0.0000	559.0393	559.0393	0.0107	0.0103	562.4415
Landscaping	0.7214	0.2764	23.9990	1.2700e-003		0.1331	0.1331		0.1331	0.1331	0.0000	39.2434	39.2434	0.0376	0.0000	40.0335
Total	14.6224	0.2764	24.0021	1.2700e-003		0.1722	0.1722		0.1718	0.1718	0.0000	598.2827	598.2827	0.0483	0.0103	602.4750

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Unmitigated	1,690.6963	5.3262	0.1396	1,845.8163
Mitigated	1,690.6963	5.3253	0.1394	1,845.7347

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	31.7952 / 20.0448	192.2903	1.0444	0.0262	222.3439
City Park	0 / 29.787	94.7023	4.3500e-003	9.0000e-004	95.0730
Elementary School	1.93939 / 4.98701	23.6971	0.0643	1.7100e-003	25.5771
Other Non-Asphalt Surfaces	0 / 191.828	609.8831	0.0280	5.8000e-003	612.2698
Regional Shopping Center	7.52577 / 4.61257	45.0947	0.2472	6.2000e-003	52.2067
Retirement Community	49.1261 / 30.9708	297.1042	1.6137	0.0405	343.5396
Single Family Housing	70.7573 / 44.6078	427.9246	2.3243	0.0583	494.8063

Total		1,690.6963	5.3262	0.1396	1,845.8163

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	31.7952 / 20.0448	192.2903	1.0442	0.0262	222.3278
City Park	0 / 29.787	94.7023	4.3500e-003	9.0000e-004	95.0730
Elementary School	1.93939 / 4.98701	23.6971	0.0642	1.7100e-003	25.5761
Other Non-Asphalt Surfaces	0 / 191.828	609.8831	0.0280	5.8000e-003	612.2698
Regional Shopping Center	7.52577 / 4.61257	45.0947	0.2472	6.1900e-003	52.2029
Retirement Community	49.1261 / 30.9708	297.1042	1.6134	0.0404	343.5147
Single Family Housing	70.7573 / 44.6078	427.9246	2.3238	0.0582	494.7705
Total		1,690.6963	5.3253	0.1394	1,845.7347

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			

Mitigated	429.0031	25.3534	0.0000	961.4237
Unmitigated	429.0031	25.3534	0.0000	961.4237

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	224.48	45.5674	2.6930	0.0000	102.1195
City Park	2.15	0.4364	0.0258	0.0000	0.9781
Elementary School	146	29.6367	1.7515	0.0000	66.4177
Other Non-Asphalt Surfaces	13.8	2.8013	0.1656	0.0000	6.2778
Regional Shopping Center	106.68	21.6551	1.2798	0.0000	48.5304
Retirement Community	346.84	70.4054	4.1608	0.0000	157.7830
Single Family Housing	1273.46	258.5009	15.2770	0.0000	579.3171
Total		429.0031	25.3534	0.0000	961.4237

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			

Apartments Low Rise	224.48	45.5674	2.6930	0.0000	102.1195
City Park	2.15	0.4364	0.0258	0.0000	0.9781
Elementary School	146	29.6367	1.7515	0.0000	66.4177
Other Non-Asphalt Surfaces	13.8	2.8013	0.1656	0.0000	6.2778
Regional Shopping Center	106.68	21.6551	1.2798	0.0000	48.5304
Retirement Community	346.84	70.4054	4.1608	0.0000	157.7830
Single Family Housing	1273.46	258.5009	15.2770	0.0000	579.3171
Total		429.0031	25.3534	0.0000	961.4237

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Rancho San Gorgonio Specific Plan - Phase 5

South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	800.00	Student	1.54	66,882.70	0
Other Non-Asphalt Surfaces	186.70	Acre	186.70	0.00	0
City Park	25.00	Acre	25.00	50,000.00	0
Apartments Low Rise	931.00	Dwelling Unit	58.19	931,000.00	2663
Retirement Community	754.00	Dwelling Unit	150.80	754,000.00	2156
Single Family Housing	1,358.00	Dwelling Unit	440.91	2,444,400.00	3884
Regional Shopping Center	101.60	1000sqft	2.33	101,604.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2030
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Actual opening year is 2029, used 2030 as there are no choices between 2025 and 2030.

Land Use - No buildings in the community parks (represented by Other Non-Asphalt Surfaces), assume 1 small building in main park.

Construction Phase - No construction

Off-road Equipment - .

Off-road Equipment -

Trips and VMT - No construction

Grading -

Vehicle Trips - traffic analysis rates

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - no wood fireplaces

Energy Use -

Water And Wastewater - Other Non-Asphalt Surfaces represents Neighborhood Parks, set water usage rate to match City Park.

Solid Waste - Other Non-Asphalt Surfaces represents Neighborhood Parks, set waste rate to match City Park.

Construction Off-road Equipment Mitigation - No construction

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	13,950.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	791.35	931.00
tblFireplaces	NumberGas	640.90	754.00
tblFireplaces	NumberGas	1,154.30	1,358.00
tblFireplaces	NumberNoFireplace	93.10	0.00
tblFireplaces	NumberNoFireplace	75.40	0.00
tblFireplaces	NumberNoFireplace	135.80	0.00
tblFireplaces	NumberWood	46.55	0.00
tblFireplaces	NumberWood	37.70	0.00
tblFireplaces	NumberWood	67.90	0.00
tblLandUse	LandUseSquareFeet	8,132,652.00	0.00
tblLandUse	LandUseSquareFeet	1,089,000.00	50,000.00
tblProjectCharacteristics	OperationalYear	2014	2030
tblSolidWaste	SolidWasteGenerationRate	0.00	16.10

tblTripsAndVMT	VendorTripNumber	361.00	0.00
tblTripsAndVMT	WorkerTripNumber	1,784.00	0.00
tblVehicleTrips	ST_TR	7.16	6.65
tblVehicleTrips	ST_TR	1.59	50.00
tblVehicleTrips	ST_TR	2.81	3.68
tblVehicleTrips	ST_TR	10.08	9.52
tblVehicleTrips	ST_TR	49.97	60.03
tblVehicleTrips	SU_TR	6.07	6.65
tblVehicleTrips	SU_TR	1.59	50.00
tblVehicleTrips	SU_TR	2.81	3.68
tblVehicleTrips	SU_TR	8.77	9.52
tblVehicleTrips	SU_TR	25.24	60.03
tblVehicleTrips	WD_TR	6.59	6.65
tblVehicleTrips	WD_TR	1.59	50.00
tblVehicleTrips	WD_TR	2.81	3.68
tblVehicleTrips	WD_TR	9.57	9.52
tblVehicleTrips	WD_TR	42.94	60.03
tblWater	OutdoorWaterUseRate	0.00	222,449,568.00
tblWoodstoves	NumberCatalytic	46.55	0.00
tblWoodstoves	NumberCatalytic	37.70	0.00
tblWoodstoves	NumberCatalytic	67.90	0.00
tblWoodstoves	NumberNoncatalytic	46.55	0.00
tblWoodstoves	NumberNoncatalytic	37.70	0.00
tblWoodstoves	NumberNoncatalytic	67.90	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	109.7309	2.8878	250.8232	0.0133		5.4738	5.4738		5.4309	5.4309	0.0000	64,892.2883	64,892.2883	1.6664	1.1814	65,293.5170
Energy	2.2164	18.9535	8.1595	0.1209		1.5313	1.5313		1.5313	1.5313		24,178.4933	24,178.4933	0.4634	0.4433	24,325.6396
Mobile	64.1461	146.9278	701.2855	3.0991	202.0932	4.0049	206.0981	54.0226	3.6958	57.7184		222,317.4255	222,317.4255	6.0472		222,444.4159
Total	176.0934	168.7691	960.2682	3.2332	202.0932	11.0100	213.1033	54.0226	10.6580	64.6805	0.0000	311,388.2071	311,388.2071	8.1770	1.6247	312,063.5724

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	109.7309	2.8878	250.8232	0.0133		5.4738	5.4738		5.4309	5.4309	0.0000	64,892.2883	64,892.2883	1.6664	1.1814	65,293.5170
Energy	2.2164	18.9535	8.1595	0.1209		1.5313	1.5313		1.5313	1.5313		24,178.4933	24,178.4933	0.4634	0.4433	24,325.6396

Mobile	64.1461	146.9278	701.2855	3.0991	202.0932	4.0049	206.0981	54.0226	3.6958	57.7184		222,317.4 255	222,317.42 55	6.0472		222,444.4 159
Total	176.0934	168.7691	960.2682	3.2332	202.0932	11.0100	213.1033	54.0226	10.6580	64.6805	0.0000	311,388.2 071	311,388.20 71	8.1770	1.6247	312,063.5 724

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	No Construction	Building Construction	1/1/2017	12/30/2016	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
No Construction	Cranes	1	7.00	226	0.29
No Construction	Forklifts	3	8.00	89	0.20
No Construction	Generator Sets	1	8.00	84	0.74
No Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
No Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
No Construction	9	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	64.1461	146.9278	701.2855	3.0991	202.0932	4.0049	206.0981	54.0226	3.6958	57.7184		222,317.4255	222,317.4255	6.0472		222,444.4159
Mitigated	64.1461	146.9278	701.2855	3.0991	202.0932	4.0049	206.0981	54.0226	3.6958	57.7184		222,317.4255	222,317.4255	6.0472		222,444.4159

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	6,191.15	6,191.15	6191.15	21,156,100	21,156,100
City Park	1,250.00	1,250.00	1250.00	3,596,925	3,596,925
Elementary School	1,032.00	0.00	0.00	2,540,477	2,540,477
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Retirement Community	2,774.72	2,774.72	2774.72	9,481,640	9,481,640
Single Family Housing	12,928.16	12,928.16	12928.16	44,177,487	44,177,487
Regional Shopping Center	6,099.29	6,099.29	6099.29	13,191,808	13,191,808
Total	30,275.32	29,243.32	29,243.32	94,144,437	94,144,437

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Retirement Community	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.491224	0.060821	0.184988	0.143129	0.045158	0.007219	0.016964	0.038507	0.002073	0.002552	0.004110	0.000541	0.002713

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	2.2164	18.9535	8.1595	0.1209		1.5313	1.5313		1.5313	1.5313		24,178.4933	24,178.4933	0.4634	0.4433	24,325.6396
NaturalGas Unmitigated	2.2164	18.9535	8.1595	0.1209		1.5313	1.5313		1.5313	1.5313		24,178.4933	24,178.4933	0.4634	0.4433	24,325.6396

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	35001	0.3775	3.2256	1.3726	0.0206		0.2608	0.2608		0.2608	0.2608		4,117.7657	4,117.7657	0.0789	0.0755	4,142.8258
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	1672.98	0.0180	0.1640	0.1378	9.8000e-004		0.0125	0.0125		0.0125	0.0125		196.8216	196.8216	3.7700e-003	3.6100e-003	198.0194
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	645.812	6.9600e-003	0.0633	0.0532	3.8000e-004		4.8100e-003	4.8100e-003		4.8100e-003	4.8100e-003		75.9779	75.9779	1.4600e-003	1.3900e-003	76.4402
Retirement Community	42565.9	0.4590	3.9227	1.6693	0.0250		0.3172	0.3172		0.3172	0.3172		5,007.7581	5,007.7581	0.0960	0.0918	5,038.2345
Single Family Housing	125631	1.3549	11.5778	4.9267	0.0739		0.9361	0.9361		0.9361	0.9361		14,780.1700	14,780.1700	0.2833	0.2710	14,870.1196
Total		2.2164	18.9535	8.1595	0.1209		1.5313	1.5313		1.5313	1.5313		24,178.4933	24,178.4933	0.4634	0.4433	24,325.6396

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	35.001	0.3775	3.2256	1.3726	0.0206		0.2608	0.2608		0.2608	0.2608		4,117.7657	4,117.7657	0.0789	0.0755	4,142.8258
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	1.67298	0.0180	0.1640	0.1378	9.8000e-004		0.0125	0.0125		0.0125	0.0125		196.8216	196.8216	3.7700e-003	3.6100e-003	198.0194
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.645812	6.9600e-003	0.0633	0.0532	3.8000e-004		4.8100e-003	4.8100e-003		4.8100e-003	4.8100e-003		75.9779	75.9779	1.4600e-003	1.3900e-003	76.4402

Retirement Community	42.5659	0.4590	3.9227	1.6693	0.0250		0.3172	0.3172		0.3172	0.3172		5,007.7581	5,007.7581	0.0960	0.0918	5,038.2345
Single Family Housing	125.631	1.3549	11.5778	4.9267	0.0739		0.9361	0.9361		0.9361	0.9361		14,780.1700	14,780.1700	0.2833	0.2710	14,870.1196
Total		2.2164	18.9535	8.1595	0.1209		1.5313	1.5313		1.5313	1.5313		24,178.4933	24,178.4933	0.4634	0.4433	24,325.6396

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	109.7309	2.8878	250.8232	0.0133		5.4738	5.4738		5.4309	5.4309	0.0000	64,892.2883	64,892.2883	1.6664	1.1814	65,293.5170
Mitigated	109.7309	2.8878	250.8232	0.0133		5.4738	5.4738		5.4309	5.4309	0.0000	64,892.2883	64,892.2883	1.6664	1.1814	65,293.5170

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	10.2361					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	86.0882					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	5.9070	2.7000e-004	0.3222	0.0000		4.0812	4.0812		4.0382	4.0382	0.0000	64,440.0000	64,440.0000	1.2351	1.1814	64,832.1711

Landscaping	7.4996	2.8875	250.5010	0.0133		1.3926	1.3926		1.3926	1.3926		452.2883	452.2883	0.4313		461.3459
Total	109.7309	2.8878	250.8232	0.0133		5.4738	5.4738		5.4309	5.4309	0.0000	64,892.2883	64,892.2883	1.6664	1.1814	65,293.5170

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	10.2361					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	86.0882					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	5.9070	2.7000e-004	0.3222	0.0000		4.0812	4.0812		4.0382	4.0382	0.0000	64,440.0000	64,440.0000	1.2351	1.1814	64,832.1711
Landscaping	7.4996	2.8875	250.5010	0.0133		1.3926	1.3926		1.3926	1.3926		452.2883	452.2883	0.4313		461.3459
Total	109.7309	2.8878	250.8232	0.0133		5.4738	5.4738		5.4309	5.4309	0.0000	64,892.2883	64,892.2883	1.6664	1.1814	65,293.5170

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Rancho San Gorgonio Specific Plan - Phase 5

South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	800.00	Student	1.54	66,882.70	0
Other Non-Asphalt Surfaces	186.70	Acre	186.70	0.00	0
City Park	25.00	Acre	25.00	50,000.00	0
Apartments Low Rise	931.00	Dwelling Unit	58.19	931,000.00	2663
Retirement Community	754.00	Dwelling Unit	150.80	754,000.00	2156
Single Family Housing	1,358.00	Dwelling Unit	440.91	2,444,400.00	3884
Regional Shopping Center	101.60	1000sqft	2.33	101,604.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2030
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Actual opening year is 2029, used 2030 as there are no choices between 2025 and 2030.

Land Use - No buildings in the community parks (represented by Other Non-Asphalt Surfaces), assume 1 small building in main park.

Construction Phase - No construction

Off-road Equipment - .

Off-road Equipment -

Trips and VMT - No construction

Grading -

Vehicle Trips - traffic analysis rates

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - no wood fireplaces

Energy Use -

Water And Wastewater - Other Non-Asphalt Surfaces represents Neighborhood Parks, set water usage rate to match City Park.

Solid Waste - Other Non-Asphalt Surfaces represents Neighborhood Parks, set waste rate to match City Park.

Construction Off-road Equipment Mitigation - No construction

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	13,950.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	791.35	931.00
tblFireplaces	NumberGas	640.90	754.00
tblFireplaces	NumberGas	1,154.30	1,358.00
tblFireplaces	NumberNoFireplace	93.10	0.00
tblFireplaces	NumberNoFireplace	75.40	0.00
tblFireplaces	NumberNoFireplace	135.80	0.00
tblFireplaces	NumberWood	46.55	0.00
tblFireplaces	NumberWood	37.70	0.00
tblFireplaces	NumberWood	67.90	0.00
tblLandUse	LandUseSquareFeet	8,132,652.00	0.00
tblLandUse	LandUseSquareFeet	1,089,000.00	50,000.00
tblProjectCharacteristics	OperationalYear	2014	2030
tblSolidWaste	SolidWasteGenerationRate	0.00	16.10

tblTripsAndVMT	VendorTripNumber	361.00	0.00
tblTripsAndVMT	WorkerTripNumber	1,784.00	0.00
tblVehicleTrips	ST_TR	7.16	6.65
tblVehicleTrips	ST_TR	1.59	50.00
tblVehicleTrips	ST_TR	2.81	3.68
tblVehicleTrips	ST_TR	10.08	9.52
tblVehicleTrips	ST_TR	49.97	60.03
tblVehicleTrips	SU_TR	6.07	6.65
tblVehicleTrips	SU_TR	1.59	50.00
tblVehicleTrips	SU_TR	2.81	3.68
tblVehicleTrips	SU_TR	8.77	9.52
tblVehicleTrips	SU_TR	25.24	60.03
tblVehicleTrips	WD_TR	6.59	6.65
tblVehicleTrips	WD_TR	1.59	50.00
tblVehicleTrips	WD_TR	2.81	3.68
tblVehicleTrips	WD_TR	9.57	9.52
tblVehicleTrips	WD_TR	42.94	60.03
tblWater	OutdoorWaterUseRate	0.00	222,449,568.00
tblWoodstoves	NumberCatalytic	46.55	0.00
tblWoodstoves	NumberCatalytic	37.70	0.00
tblWoodstoves	NumberCatalytic	67.90	0.00
tblWoodstoves	NumberNoncatalytic	46.55	0.00
tblWoodstoves	NumberNoncatalytic	37.70	0.00
tblWoodstoves	NumberNoncatalytic	67.90	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	109.7309	2.8878	250.8232	0.0133		5.4738	5.4738		5.4309	5.4309	0.0000	64,892.2883	64,892.2883	1.6664	1.1814	65,293.5170
Energy	2.2164	18.9535	8.1595	0.1209		1.5313	1.5313		1.5313	1.5313		24,178.4933	24,178.4933	0.4634	0.4433	24,325.6396
Mobile	66.0114	153.7456	699.3772	2.9439	202.0932	4.0174	206.1106	54.0226	3.7073	57.7298		212,104.3558	212,104.3558	6.0590		212,231.5946
Total	177.9587	175.5868	958.3599	3.0780	202.0932	11.0225	213.1157	54.0226	10.6695	64.6920	0.0000	301,175.1374	301,175.1374	8.1888	1.6247	301,850.7511

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	109.7309	2.8878	250.8232	0.0133		5.4738	5.4738		5.4309	5.4309	0.0000	64,892.2883	64,892.2883	1.6664	1.1814	65,293.5170
Energy	2.2164	18.9535	8.1595	0.1209		1.5313	1.5313		1.5313	1.5313		24,178.4933	24,178.4933	0.4634	0.4433	24,325.6396

Mobile	66.0114	153.7456	699.3772	2.9439	202.0932	4.0174	206.1106	54.0226	3.7073	57.7298		212,104.3558	212,104.3558	6.0590		212,231.5946
Total	177.9587	175.5868	958.3599	3.0780	202.0932	11.0225	213.1157	54.0226	10.6695	64.6920	0.0000	301,175.1374	301,175.1374	8.1888	1.6247	301,850.7511

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	No Construction	Building Construction	1/1/2017	12/30/2016	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
No Construction	Cranes	1	7.00	226	0.29
No Construction	Forklifts	3	8.00	89	0.20
No Construction	Generator Sets	1	8.00	84	0.74
No Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
No Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
No Construction	9	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	66.0114	153.7456	699.3772	2.9439	202.0932	4.0174	206.1106	54.0226	3.7073	57.7298		212,104.3558	212,104.3558	6.0590		212,231.5946
Mitigated	66.0114	153.7456	699.3772	2.9439	202.0932	4.0174	206.1106	54.0226	3.7073	57.7298		212,104.3558	212,104.3558	6.0590		212,231.5946

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	6,191.15	6,191.15	6191.15	21,156,100	21,156,100
City Park	1,250.00	1,250.00	1250.00	3,596,925	3,596,925
Elementary School	1,032.00	0.00	0.00	2,540,477	2,540,477
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Retirement Community	2,774.72	2,774.72	2774.72	9,481,640	9,481,640
Single Family Housing	12,928.16	12,928.16	12928.16	44,177,487	44,177,487
Regional Shopping Center	6,099.29	6,099.29	6099.29	13,191,808	13,191,808
Total	30,275.32	29,243.32	29,243.32	94,144,437	94,144,437

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Retirement Community	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.491224	0.060821	0.184988	0.143129	0.045158	0.007219	0.016964	0.038507	0.002073	0.002552	0.004110	0.000541	0.002713

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	2.2164	18.9535	8.1595	0.1209		1.5313	1.5313		1.5313	1.5313		24,178.4933	24,178.4933	0.4634	0.4433	24,325.6396
NaturalGas Unmitigated	2.2164	18.9535	8.1595	0.1209		1.5313	1.5313		1.5313	1.5313		24,178.4933	24,178.4933	0.4634	0.4433	24,325.6396

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	35001	0.3775	3.2256	1.3726	0.0206		0.2608	0.2608		0.2608	0.2608		4,117.7657	4,117.7657	0.0789	0.0755	4,142.8258
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	1672.98	0.0180	0.1640	0.1378	9.8000e-004		0.0125	0.0125		0.0125	0.0125		196.8216	196.8216	3.7700e-003	3.6100e-003	198.0194
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	645.812	6.9600e-003	0.0633	0.0532	3.8000e-004		4.8100e-003	4.8100e-003		4.8100e-003	4.8100e-003		75.9779	75.9779	1.4600e-003	1.3900e-003	76.4402
Retirement Community	42565.9	0.4590	3.9227	1.6693	0.0250		0.3172	0.3172		0.3172	0.3172		5,007.7581	5,007.7581	0.0960	0.0918	5,038.2345
Single Family Housing	125631	1.3549	11.5778	4.9267	0.0739		0.9361	0.9361		0.9361	0.9361		14,780.1700	14,780.1700	0.2833	0.2710	14,870.1196
Total		2.2164	18.9535	8.1595	0.1209		1.5313	1.5313		1.5313	1.5313		24,178.4933	24,178.4933	0.4634	0.4433	24,325.6396

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	35.001	0.3775	3.2256	1.3726	0.0206		0.2608	0.2608		0.2608	0.2608		4,117.7657	4,117.7657	0.0789	0.0755	4,142.8258
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	1.67298	0.0180	0.1640	0.1378	9.8000e-004		0.0125	0.0125		0.0125	0.0125		196.8216	196.8216	3.7700e-003	3.6100e-003	198.0194
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.645812	6.9600e-003	0.0633	0.0532	3.8000e-004		4.8100e-003	4.8100e-003		4.8100e-003	4.8100e-003		75.9779	75.9779	1.4600e-003	1.3900e-003	76.4402

Retirement Community	42.5659	0.4590	3.9227	1.6693	0.0250		0.3172	0.3172		0.3172	0.3172		5,007.7581	5,007.7581	0.0960	0.0918	5,038.2345
Single Family Housing	125.631	1.3549	11.5778	4.9267	0.0739		0.9361	0.9361		0.9361	0.9361		14,780.1700	14,780.1700	0.2833	0.2710	14,870.1196
Total		2.2164	18.9535	8.1595	0.1209		1.5313	1.5313		1.5313	1.5313		24,178.4933	24,178.4933	0.4634	0.4433	24,325.6396

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	109.7309	2.8878	250.8232	0.0133		5.4738	5.4738		5.4309	5.4309	0.0000	64,892.2883	64,892.2883	1.6664	1.1814	65,293.5170
Mitigated	109.7309	2.8878	250.8232	0.0133		5.4738	5.4738		5.4309	5.4309	0.0000	64,892.2883	64,892.2883	1.6664	1.1814	65,293.5170

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	10.2361					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	86.0882					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	5.9070	2.7000e-004	0.3222	0.0000		4.0812	4.0812		4.0382	4.0382	0.0000	64,440.0000	64,440.0000	1.2351	1.1814	64,832.1711

Landscaping	7.4996	2.8875	250.5010	0.0133		1.3926	1.3926		1.3926	1.3926		452.2883	452.2883	0.4313		461.3459
Total	109.7309	2.8878	250.8232	0.0133		5.4738	5.4738		5.4309	5.4309	0.0000	64,892.2883	64,892.2883	1.6664	1.1814	65,293.5170

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	10.2361					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	86.0882					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	5.9070	2.7000e-004	0.3222	0.0000		4.0812	4.0812		4.0382	4.0382	0.0000	64,440.0000	64,440.0000	1.2351	1.1814	64,832.1711
Landscaping	7.4996	2.8875	250.5010	0.0133		1.3926	1.3926		1.3926	1.3926		452.2883	452.2883	0.4313		461.3459
Total	109.7309	2.8878	250.8232	0.0133		5.4738	5.4738		5.4309	5.4309	0.0000	64,892.2883	64,892.2883	1.6664	1.1814	65,293.5170

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Rancho San Gorgonio Specific Plan - Phase 5

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	800.00	Student	1.54	66,882.70	0
Other Non-Asphalt Surfaces	186.70	Acre	186.70	0.00	0
City Park	25.00	Acre	25.00	50,000.00	0
Apartments Low Rise	931.00	Dwelling Unit	58.19	931,000.00	2663
Retirement Community	754.00	Dwelling Unit	150.80	754,000.00	2156
Single Family Housing	1,358.00	Dwelling Unit	440.91	2,444,400.00	3884
Regional Shopping Center	101.60	1000sqft	2.33	101,604.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2030
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	630.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Actual opening year is 2029, used 2030 as there are no choices between 2025 and 2030.

Land Use - No buildings in the community parks (represented by Other Non-Asphalt Surfaces), assume 1 small building in main park.

Construction Phase - No construction

Off-road Equipment - .

Off-road Equipment -

Trips and VMT - No construction

Grading -

Vehicle Trips - traffic analysis rates

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - no wood fireplaces

Energy Use -

Water And Wastewater - Other Non-Asphalt Surfaces represents Neighborhood Parks, set water usage rate to match City Park.

Solid Waste - Other Non-Asphalt Surfaces represents Neighborhood Parks, set waste rate to match City Park.

Construction Off-road Equipment Mitigation - No construction

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	13,950.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	791.35	931.00
tblFireplaces	NumberGas	640.90	754.00
tblFireplaces	NumberGas	1,154.30	1,358.00
tblFireplaces	NumberNoFireplace	93.10	0.00
tblFireplaces	NumberNoFireplace	75.40	0.00
tblFireplaces	NumberNoFireplace	135.80	0.00
tblFireplaces	NumberWood	46.55	0.00
tblFireplaces	NumberWood	37.70	0.00
tblFireplaces	NumberWood	67.90	0.00
tblLandUse	LandUseSquareFeet	8,132,652.00	0.00
tblLandUse	LandUseSquareFeet	1,089,000.00	50,000.00
tblProjectCharacteristics	OperationalYear	2014	2030
tblSolidWaste	SolidWasteGenerationRate	0.00	16.10

tblTripsAndVMT	VendorTripNumber	361.00	0.00
tblTripsAndVMT	WorkerTripNumber	1,784.00	0.00
tblVehicleTrips	ST_TR	7.16	6.65
tblVehicleTrips	ST_TR	1.59	50.00
tblVehicleTrips	ST_TR	2.81	3.68
tblVehicleTrips	ST_TR	10.08	9.52
tblVehicleTrips	ST_TR	49.97	60.03
tblVehicleTrips	SU_TR	6.07	6.65
tblVehicleTrips	SU_TR	1.59	50.00
tblVehicleTrips	SU_TR	2.81	3.68
tblVehicleTrips	SU_TR	8.77	9.52
tblVehicleTrips	SU_TR	25.24	60.03
tblVehicleTrips	WD_TR	6.59	6.65
tblVehicleTrips	WD_TR	1.59	50.00
tblVehicleTrips	WD_TR	2.81	3.68
tblVehicleTrips	WD_TR	9.57	9.52
tblVehicleTrips	WD_TR	42.94	60.03
tblWater	OutdoorWaterUseRate	0.00	222,449,568.00
tblWoodstoves	NumberCatalytic	46.55	0.00
tblWoodstoves	NumberCatalytic	37.70	0.00
tblWoodstoves	NumberCatalytic	67.90	0.00
tblWoodstoves	NumberNoncatalytic	46.55	0.00
tblWoodstoves	NumberNoncatalytic	37.70	0.00
tblWoodstoves	NumberNoncatalytic	67.90	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	18.5905	0.3609	31.3167	1.6600e-003		0.2251	0.2251		0.2246	0.2246	0.0000	782.0259	782.0259	0.0629	0.0134	787.5002
Energy	0.4045	3.4590	1.4891	0.0221		0.2795	0.2795		0.2795	0.2795	0.0000	9,755.3658	9,755.3658	0.3411	0.1281	9,802.2395
Mobile	11.2871	28.2494	126.7556	0.5361	35.7275	0.7213	36.4487	9.5649	0.6656	10.2305	0.0000	35,005.7074	35,005.7074	0.9875	0.0000	35,026.4442
Waste						0.0000	0.0000		0.0000	0.0000	535.5856	0.0000	535.5856	31.6522	0.0000	1,200.2818
Water						0.0000	0.0000		0.0000	0.0000	65.9028	2,003.8843	2,069.7871	6.8610	0.1789	2,269.3215
Total	30.2821	32.0693	159.5613	0.5598	35.7275	1.2258	36.9533	9.5649	1.1696	10.7345	601.4884	47,546.9834	48,148.4718	39.9047	0.3204	49,085.7872

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Area	18.5905	0.3609	31.3167	1.6600e-003		0.2251	0.2251		0.2246	0.2246	0.0000	782.0259	782.0259	0.0629	0.0134	787.5002
Energy	0.4045	3.4590	1.4891	0.0221		0.2795	0.2795		0.2795	0.2795	0.0000	9,755.3658	9,755.3658	0.3411	0.1281	9,802.2395
Mobile	11.2871	28.2494	126.7556	0.5361	35.7275	0.7213	36.4487	9.5649	0.6656	10.2305	0.0000	35,005.7074	35,005.7074	0.9875	0.0000	35,026.4442
Waste						0.0000	0.0000		0.0000	0.0000	535.5856	0.0000	535.5856	31.6522	0.0000	1,200.2818
Water						0.0000	0.0000		0.0000	0.0000	65.9028	2,003.8843	2,069.7871	6.8597	0.1786	2,269.2164
Total	30.2821	32.0693	159.5613	0.5598	35.7275	1.2258	36.9533	9.5649	1.1696	10.7345	601.4884	47,546.9834	48,148.4718	39.9035	0.3201	49,085.6820

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	No Construction	Building Construction	1/1/2017	12/30/2016	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
No Construction	Cranes	1	7.00	226	0.29
No Construction	Forklifts	3	8.00	89	0.20
No Construction	Generator Sets	1	8.00	84	0.74

No Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
No Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
No Construction	9	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	11.2871	28.2494	126.7556	0.5361	35.7275	0.7213	36.4487	9.5649	0.6656	10.2305	0.0000	35,005.7074	35,005.7074	0.9875	0.0000	35,026.4442
Unmitigated	11.2871	28.2494	126.7556	0.5361	35.7275	0.7213	36.4487	9.5649	0.6656	10.2305	0.0000	35,005.7074	35,005.7074	0.9875	0.0000	35,026.4442

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	6,191.15	6,191.15	6191.15	21,156,100	21,156,100
City Park	1,250.00	1,250.00	1250.00	3,596,925	3,596,925
Elementary School	1,032.00	0.00	0.00	2,540,477	2,540,477
Other Non-Asphalt Surfaces	0.00	0.00	0.00		

Retirement Community	2,774.72	2,774.72	2774.72	9,481,640	9,481,640
Single Family Housing	12,928.16	12,928.16	12928.16	44,177,487	44,177,487
Regional Shopping Center	6,099.29	6,099.29	6099.29	13,191,808	13,191,808
Total	30,275.32	29,243.32	29,243.32	94,144,437	94,144,437

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Retirement Community	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.491224	0.060821	0.184988	0.143129	0.045158	0.007219	0.016964	0.038507	0.002073	0.002552	0.004110	0.000541	0.002713

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
NaturalGas Mitigated	0.4045	3.4590	1.4891	0.0221		0.2795	0.2795		0.2795	0.2795	0.0000	4,003.0207	4,003.0207	0.0767	0.0734	4,027.3825
NaturalGas Unmitigated	0.4045	3.4590	1.4891	0.0221		0.2795	0.2795		0.2795	0.2795	0.0000	4,003.0207	4,003.0207	0.0767	0.0734	4,027.3825

Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	5,752.3451	5,752.3451	0.2644	0.0547	5,774.8570
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	5,752.3451	5,752.3451	0.2644	0.0547	5,774.8570

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	1.27754e+007	0.0689	0.5887	0.2505	3.7600e-003		0.0476	0.0476		0.0476	0.0476	0.0000	681.7423	681.7423	0.0131	0.0125	685.8913
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	610639	3.2900e-003	0.0299	0.0251	1.8000e-004		2.2700e-003	2.2700e-003		2.2700e-003	2.2700e-003	0.0000	32.5860	32.5860	6.2000e-004	6.0000e-004	32.7843
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	235721	1.2700e-003	0.0116	9.7100e-003	7.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004	0.0000	12.5790	12.5790	2.4000e-004	2.3000e-004	12.6555
Retirement Community	1.55366e+007	0.0838	0.7159	0.3046	4.5700e-003		0.0579	0.0579		0.0579	0.0579	0.0000	829.0905	829.0905	0.0159	0.0152	834.1362
Single Family Housing	4.58555e+007	0.2473	2.1130	0.8991	0.0135		0.1708	0.1708		0.1708	0.1708	0.0000	2,447.0229	2,447.0229	0.0469	0.0449	2,461.9151
Total		0.4045	3.4590	1.4891	0.0221		0.2795	0.2795		0.2795	0.2795	0.0000	4,003.0207	4,003.0207	0.0767	0.0734	4,027.3825

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					

Apartments Low Rise	1.27754e+007	0.0689	0.5887	0.2505	3.7600e-003		0.0476	0.0476		0.0476	0.0476	0.0000	681.7423	681.7423	0.0131	0.0125	685.8913
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	610639	3.2900e-003	0.0299	0.0251	1.8000e-004		2.2700e-003	2.2700e-003		2.2700e-003	2.2700e-003	0.0000	32.5860	32.5860	6.2000e-004	6.0000e-004	32.7843
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	235721	1.2700e-003	0.0116	9.7100e-003	7.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004	0.0000	12.5790	12.5790	2.4000e-004	2.3000e-004	12.6555
Retirement Community	1.55366e+007	0.0838	0.7159	0.3046	4.5700e-003		0.0579	0.0579		0.0579	0.0579	0.0000	829.0905	829.0905	0.0159	0.0152	834.1362
Single Family Housing	4.58555e+007	0.2473	2.1130	0.8991	0.0135		0.1708	0.1708		0.1708	0.1708	0.0000	2,447.0229	2,447.0229	0.0469	0.0449	2,461.9151
Total		0.4045	3.4590	1.4891	0.0221		0.2795	0.2795		0.2795	0.2795	0.0000	4,003.0207	4,003.0207	0.0767	0.0734	4,027.3825

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	3.79645e+006	1,086.4184	0.0499	0.0103	1,090.6701
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	607964	173.9791	8.0000e-003	1.6500e-003	174.6600
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.59112e+006	455.3255	0.0209	4.3300e-003	457.1074
Retirement Community	3.67688e+006	1,052.2016	0.0484	0.0100	1,056.3194
Single Family Housing	1.0429e+007	2,984.4205	0.1372	0.0284	2,996.1001
Total		5,752.3451	0.2644	0.0547	5,774.8570

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	3.79645e+006	1,086.4184	0.0499	0.0103	1,090.6701
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	607964	173.9791	8.0000e-003	1.6500e-003	174.6600
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.59112e+006	455.3255	0.0209	4.3300e-003	457.1074
Retirement Community	3.67688e+006	1,052.2016	0.0484	0.0100	1,056.3194
Single Family Housing	1.0429e+007	2,984.4205	0.1372	0.0284	2,996.1001
Total		5,752.3451	0.2644	0.0547	5,774.8570

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	18.5905	0.3609	31.3167	1.6600e-003		0.2251	0.2251		0.2246	0.2246	0.0000	782.0259	782.0259	0.0629	0.0134	787.5002
Unmitigated	18.5905	0.3609	31.3167	1.6600e-003		0.2251	0.2251		0.2246	0.2246	0.0000	782.0259	782.0259	0.0629	0.0134	787.5002

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.8681					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	15.7111					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0738	0.0000	4.0300e-003	0.0000		0.0510	0.0510		0.0505	0.0505	0.0000	730.7373	730.7373	0.0140	0.0134	735.1845
Landscaping	0.9375	0.3609	31.3126	1.6600e-003		0.1741	0.1741		0.1741	0.1741	0.0000	51.2886	51.2886	0.0489	0.0000	52.3157
Total	18.5905	0.3609	31.3167	1.6600e-003		0.2251	0.2251		0.2246	0.2246	0.0000	782.0259	782.0259	0.0629	0.0134	787.5002

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.8681					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	15.7111					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0738	0.0000	4.0300e-003	0.0000		0.0510	0.0510		0.0505	0.0505	0.0000	730.7373	730.7373	0.0140	0.0134	735.1845
Landscaping	0.9375	0.3609	31.3126	1.6600e-003		0.1741	0.1741		0.1741	0.1741	0.0000	51.2886	51.2886	0.0489	0.0000	52.3157
Total	18.5905	0.3609	31.3167	1.6600e-003		0.2251	0.2251		0.2246	0.2246	0.0000	782.0259	782.0259	0.0629	0.0134	787.5002

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Unmitigated	2,069.7871	6.8610	0.1789	2,269.3215
Mitigated	2,069.7871	6.8597	0.1786	2,269.2164

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	60.6584 / 38.2412	366.8488	1.9925	0.0500	424.1848
City Park	0 / 29.787	94.7023	4.3500e-003	9.0000e-004	95.0730
Elementary School	1.93939 / 4.98701	23.6971	0.0643	1.7100e-003	25.5771
Other Non-Asphalt Surfaces	0 / 222.45	707.2371	0.0325	6.7300e-003	710.0049
Regional Shopping Center	7.52577 / 4.61257	45.0947	0.2472	6.2000e-003	52.2067
Retirement Community	49.1261 / 30.9708	297.1042	1.6137	0.0405	343.5396
Single Family Housing	88.4792 / 55.7803	535.1028	2.9064	0.0729	618.7357

Total		2,069.7871	6.8610	0.1789	2,269.3216

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	60.6584 / 38.2412	366.8488	1.9922	0.0499	424.1541
City Park	0 / 29.787	94.7023	4.3500e-003	9.0000e-004	95.0730
Elementary School	1.93939 / 4.98701	23.6971	0.0642	1.7100e-003	25.5761
Other Non-Asphalt Surfaces	0 / 222.45	707.2371	0.0325	6.7300e-003	710.0049
Regional Shopping Center	7.52577 / 4.61257	45.0947	0.2472	6.1900e-003	52.2029
Retirement Community	49.1261 / 30.9708	297.1042	1.6134	0.0404	343.5147
Single Family Housing	88.4792 / 55.7803	535.1028	2.9059	0.0728	618.6909
Total		2,069.7871	6.8597	0.1786	2,269.2164

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			

Mitigated	535.5856	31.6522	0.0000	1,200.2818
Unmitigated	535.5856	31.6522	0.0000	1,200.2818

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	428.26	86.9329	5.1376	0.0000	194.8223
City Park	2.15	0.4364	0.0258	0.0000	0.9781
Elementary School	146	29.6367	1.7515	0.0000	66.4177
Other Non-Asphalt Surfaces	16.1	3.2682	0.1931	0.0000	7.3241
Regional Shopping Center	106.68	21.6551	1.2798	0.0000	48.5304
Retirement Community	346.84	70.4054	4.1608	0.0000	157.7830
Single Family Housing	1592.44	323.2509	19.1036	0.0000	724.4262
Total		535.5856	31.6522	0.0000	1,200.2818

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			

Apartments Low Rise	428.26	86.9329	5.1376	0.0000	194.8223
City Park	2.15	0.4364	0.0258	0.0000	0.9781
Elementary School	146	29.6367	1.7515	0.0000	66.4177
Other Non-Asphalt Surfaces	16.1	3.2682	0.1931	0.0000	7.3241
Regional Shopping Center	106.68	21.6551	1.2798	0.0000	48.5304
Retirement Community	346.84	70.4054	4.1608	0.0000	157.7830
Single Family Housing	1592.44	323.2509	19.1036	0.0000	724.4262
Total		535.5856	31.6522	0.0000	1,200.2818

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Rancho San Gorgonio Specific Plan - Phase 6

South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	800.00	Student	1.54	66,882.70	0
Other Non-Asphalt Surfaces	186.70	Acre	186.70	0.00	0
City Park	25.00	Acre	25.00	50,000.00	0
Apartments Low Rise	931.00	Dwelling Unit	58.19	931,000.00	2663
Retirement Community	754.00	Dwelling Unit	150.80	754,000.00	2156
Single Family Housing	1,449.00	Dwelling Unit	470.45	2,608,200.00	4144
Regional Shopping Center	101.60	1000sqft	2.33	101,604.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - No buildings in the community parks (represented by Other Non-Asphalt Surfaces), assume 1 small building in main park.

Construction Phase - No construction

Off-road Equipment - .

Off-road Equipment -

Trips and VMT - No construction

Grading -

Vehicle Trips - traffic analysis rates

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - no wood fireplaces

Energy Use -

Water And Wastewater - Other Non-Asphalt Surfaces represents Neighborhood Parks, set water usage rate to match City Park.

Solid Waste - Other Non-Asphalt Surfaces represents Neighborhood Parks, set waste rate to match City Park.

Construction Off-road Equipment Mitigation - No construction

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	13,950.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	791.35	931.00
tblFireplaces	NumberGas	640.90	754.00
tblFireplaces	NumberGas	1,231.65	1,449.00
tblFireplaces	NumberNoFireplace	93.10	0.00
tblFireplaces	NumberNoFireplace	75.40	0.00
tblFireplaces	NumberNoFireplace	144.90	0.00
tblFireplaces	NumberWood	46.55	0.00
tblFireplaces	NumberWood	37.70	0.00
tblFireplaces	NumberWood	72.45	0.00
tblLandUse	LandUseSquareFeet	8,132,652.00	0.00
tblLandUse	LandUseSquareFeet	1,089,000.00	50,000.00
tblProjectCharacteristics	OperationalYear	2014	2035
tblSolidWaste	SolidWasteGenerationRate	0.00	16.10

tblTripsAndVMT	VendorTripNumber	371.00	0.00
tblTripsAndVMT	WorkerTripNumber	1,816.00	0.00
tblVehicleTrips	ST_TR	7.16	6.65
tblVehicleTrips	ST_TR	1.59	50.00
tblVehicleTrips	ST_TR	2.81	3.68
tblVehicleTrips	ST_TR	10.08	9.52
tblVehicleTrips	ST_TR	49.97	60.03
tblVehicleTrips	SU_TR	6.07	6.65
tblVehicleTrips	SU_TR	1.59	50.00
tblVehicleTrips	SU_TR	2.81	3.68
tblVehicleTrips	SU_TR	8.77	9.52
tblVehicleTrips	SU_TR	25.24	60.03
tblVehicleTrips	WD_TR	6.59	6.65
tblVehicleTrips	WD_TR	1.59	50.00
tblVehicleTrips	WD_TR	2.81	3.68
tblVehicleTrips	WD_TR	9.57	9.52
tblVehicleTrips	WD_TR	42.94	60.03
tblWater	OutdoorWaterUseRate	0.00	222,449,568.00
tblWoodstoves	NumberCatalytic	46.55	0.00
tblWoodstoves	NumberCatalytic	37.70	0.00
tblWoodstoves	NumberCatalytic	72.45	0.00
tblWoodstoves	NumberNoncatalytic	46.55	0.00
tblWoodstoves	NumberNoncatalytic	37.70	0.00
tblWoodstoves	NumberNoncatalytic	72.45	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	113.7161	2.9738	258.0950	0.0137		5.6375	5.6375		5.5933	5.5933	0.0000	66,832.8654	66,832.8654	1.7159	1.2167	67,246.0844
Energy	2.3072	19.7293	8.4897	0.1258		1.5940	1.5940		1.5940	1.5940		25,168.9171	25,168.9171	0.4824	0.4614	25,322.0909
Mobile	60.7962	146.7746	685.7929	3.2449	208.5555	4.3043	212.8598	55.7657	3.9718	59.7376		231,366.7716	231,366.7716	5.8187		231,488.9634
Total	176.8195	169.4777	952.3776	3.3844	208.5555	11.5358	220.0913	55.7657	11.1591	66.9248	0.0000	323,368.5541	323,368.5541	8.0169	1.6782	324,057.1387

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	113.7161	2.9738	258.0950	0.0137		5.6375	5.6375		5.5933	5.5933	0.0000	66,832.8654	66,832.8654	1.7159	1.2167	67,246.0844
Energy	2.3072	19.7293	8.4897	0.1258		1.5940	1.5940		1.5940	1.5940		25,168.9171	25,168.9171	0.4824	0.4614	25,322.0909

Mobile	60.7962	146.7746	685.7929	3.2449	208.5555	4.3043	212.8598	55.7657	3.9718	59.7376		231,366.7716	231,366.7716	5.8187		231,488.9634
Total	176.8195	169.4777	952.3776	3.3844	208.5555	11.5358	220.0913	55.7657	11.1591	66.9248	0.0000	323,368.5541	323,368.5541	8.0169	1.6782	324,057.1387

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	No Construction	Building Construction	1/1/2017	12/30/2016	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
No Construction	Cranes	1	7.00	226	0.29
No Construction	Forklifts	3	8.00	89	0.20
No Construction	Generator Sets	1	8.00	84	0.74
No Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
No Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
No Construction	9	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Clean Paved Roads

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	60.7962	146.7746	685.7929	3.2449	208.5555	4.3043	212.8598	55.7657	3.9718	59.7376		231,366.7716	231,366.7716	5.8187		231,488.9634
Mitigated	60.7962	146.7746	685.7929	3.2449	208.5555	4.3043	212.8598	55.7657	3.9718	59.7376		231,366.7716	231,366.7716	5.8187		231,488.9634

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	6,191.15	6,191.15	6191.15	21,156,100	21,156,100
City Park	1,250.00	1,250.00	1250.00	3,596,925	3,596,925
Elementary School	1,032.00	0.00	0.00	2,540,477	2,540,477
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Retirement Community	2,774.72	2,774.72	2774.72	9,481,640	9,481,640
Single Family Housing	13,794.48	13,794.48	13794.48	47,137,834	47,137,834
Regional Shopping Center	6,099.29	6,099.29	6099.29	13,191,808	13,191,808
Total	31,141.64	30,109.64	30,109.64	97,104,785	97,104,785

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Retirement Community	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.475956	0.062534	0.188657	0.147142	0.045607	0.007258	0.017370	0.042746	0.002183	0.002612	0.003879	0.000535	0.003521

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	2.3072	19.7293	8.4897	0.1258		1.5940	1.5940		1.5940	1.5940		25,168.9171	25,168.9171	0.4824	0.4614	25,322.0909
NaturalGas Unmitigated	2.3072	19.7293	8.4897	0.1258		1.5940	1.5940		1.5940	1.5940		25,168.9171	25,168.9171	0.4824	0.4614	25,322.0909

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	35001	0.3775	3.2256	1.3726	0.0206		0.2608	0.2608		0.2608	0.2608		4,117.7657	4,117.7657	0.0789	0.0755	4,142.8258
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	1672.98	0.0180	0.1640	0.1378	9.8000e-004		0.0125	0.0125		0.0125	0.0125		196.8216	196.8216	3.7700e-003	3.6100e-003	198.0194
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	645.812	6.9600e-003	0.0633	0.0532	3.8000e-004		4.8100e-003	4.8100e-003		4.8100e-003	4.8100e-003		75.9779	75.9779	1.4600e-003	1.3900e-003	76.4402
Retirement Community	42565.9	0.4590	3.9227	1.6693	0.0250		0.3172	0.3172		0.3172	0.3172		5,007.7581	5,007.7581	0.0960	0.0918	5,038.2345
Single Family Housing	134050	1.4456	12.3536	5.2569	0.0789		0.9988	0.9988		0.9988	0.9988		15,770.5937	15,770.5937	0.3023	0.2891	15,866.5710
Total		2.3071	19.7293	8.4897	0.1258		1.5940	1.5940		1.5940	1.5940		25,168.9171	25,168.9171	0.4824	0.4614	25,322.0909

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	35,001	0.3775	3.2256	1.3726	0.0206		0.2608	0.2608		0.2608	0.2608		4,117.7657	4,117.7657	0.0789	0.0755	4,142.8258
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	1,672.98	0.0180	0.1640	0.1378	9.8000e-004		0.0125	0.0125		0.0125	0.0125		196.8216	196.8216	3.7700e-003	3.6100e-003	198.0194
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Regional Shopping Center	0.645812	6.9600e-003	0.0633	0.0532	3.8000e-004		4.8100e-003	4.8100e-003		4.8100e-003	4.8100e-003		75.9779	75.9779	1.4600e-003	1.3900e-003	76.4402
Retirement Community	42.5659	0.4590	3.9227	1.6693	0.0250		0.3172	0.3172		0.3172	0.3172		5,007.7581	5,007.7581	0.0960	0.0918	5,038.2345
Single Family Housing	134.05	1.4456	12.3536	5.2569	0.0789		0.9988	0.9988		0.9988	0.9988		15,770.5937	15,770.5937	0.3023	0.2891	15,866.5710
Total		2.3071	19.7293	8.4897	0.1258		1.5940	1.5940		1.5940	1.5940		25,168.9171	25,168.9171	0.4824	0.4614	25,322.0909

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	113.7161	2.9738	258.0950	0.0137		5.6375	5.6375		5.5933	5.5933	0.0000	66,832.8654	66,832.8654	1.7159	1.2167	67,246.0844
Mitigated	113.7161	2.9738	258.0950	0.0137		5.6375	5.6375		5.5933	5.5933	0.0000	66,832.8654	66,832.8654	1.7159	1.2167	67,246.0844

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	10.5871					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	89.3314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Hearth	6.0837	2.8000e-004	0.3318	0.0000		4.2033	4.2033		4.1590	4.1590	0.0000	66,367.0588	66,367.0588	1.2720	1.2167	66,770.9577
Landscaping	7.7140	2.9736	257.7632	0.0137		1.4343	1.4343		1.4343	1.4343		465.8066	465.8066	0.4438		475.1267
Total	113.7161	2.9738	258.0950	0.0137		5.6375	5.6375		5.5933	5.5933	0.0000	66,832.8654	66,832.8654	1.7159	1.2167	67,246.0844

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	10.5871					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	89.3314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	6.0837	2.8000e-004	0.3318	0.0000		4.2033	4.2033		4.1590	4.1590	0.0000	66,367.0588	66,367.0588	1.2720	1.2167	66,770.9577
Landscaping	7.7140	2.9736	257.7632	0.0137		1.4343	1.4343		1.4343	1.4343		465.8066	465.8066	0.4438		475.1267
Total	113.7161	2.9738	258.0950	0.0137		5.6375	5.6375		5.5933	5.5933	0.0000	66,832.8654	66,832.8654	1.7159	1.2167	67,246.0844

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Rancho San Gorgonio Specific Plan - Phase 6

South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	800.00	Student	1.54	66,882.70	0
Other Non-Asphalt Surfaces	186.70	Acre	186.70	0.00	0
City Park	25.00	Acre	25.00	50,000.00	0
Apartments Low Rise	931.00	Dwelling Unit	58.19	931,000.00	2663
Retirement Community	754.00	Dwelling Unit	150.80	754,000.00	2156
Single Family Housing	1,449.00	Dwelling Unit	470.45	2,608,200.00	4144
Regional Shopping Center	101.60	1000sqft	2.33	101,604.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - No buildings in the community parks (represented by Other Non-Asphalt Surfaces), assume 1 small building in main park.

Construction Phase - No construction

Off-road Equipment - .

Off-road Equipment -

Trips and VMT - No construction

Grading -

Vehicle Trips - traffic analysis rates

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - no wood fireplaces

Energy Use -

Water And Wastewater - Other Non-Asphalt Surfaces represents Neighborhood Parks, set water usage rate to match City Park.

Solid Waste - Other Non-Asphalt Surfaces represents Neighborhood Parks, set waste rate to match City Park.

Construction Off-road Equipment Mitigation - No construction

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	13,950.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	791.35	931.00
tblFireplaces	NumberGas	640.90	754.00
tblFireplaces	NumberGas	1,231.65	1,449.00
tblFireplaces	NumberNoFireplace	93.10	0.00
tblFireplaces	NumberNoFireplace	75.40	0.00
tblFireplaces	NumberNoFireplace	144.90	0.00
tblFireplaces	NumberWood	46.55	0.00
tblFireplaces	NumberWood	37.70	0.00
tblFireplaces	NumberWood	72.45	0.00
tblLandUse	LandUseSquareFeet	8,132,652.00	0.00
tblLandUse	LandUseSquareFeet	1,089,000.00	50,000.00
tblProjectCharacteristics	OperationalYear	2014	2035
tblSolidWaste	SolidWasteGenerationRate	0.00	16.10

tblTripsAndVMT	VendorTripNumber	371.00	0.00
tblTripsAndVMT	WorkerTripNumber	1,816.00	0.00
tblVehicleTrips	ST_TR	7.16	6.65
tblVehicleTrips	ST_TR	1.59	50.00
tblVehicleTrips	ST_TR	2.81	3.68
tblVehicleTrips	ST_TR	10.08	9.52
tblVehicleTrips	ST_TR	49.97	60.03
tblVehicleTrips	SU_TR	6.07	6.65
tblVehicleTrips	SU_TR	1.59	50.00
tblVehicleTrips	SU_TR	2.81	3.68
tblVehicleTrips	SU_TR	8.77	9.52
tblVehicleTrips	SU_TR	25.24	60.03
tblVehicleTrips	WD_TR	6.59	6.65
tblVehicleTrips	WD_TR	1.59	50.00
tblVehicleTrips	WD_TR	2.81	3.68
tblVehicleTrips	WD_TR	9.57	9.52
tblVehicleTrips	WD_TR	42.94	60.03
tblWater	OutdoorWaterUseRate	0.00	222,449,568.00
tblWoodstoves	NumberCatalytic	46.55	0.00
tblWoodstoves	NumberCatalytic	37.70	0.00
tblWoodstoves	NumberCatalytic	72.45	0.00
tblWoodstoves	NumberNoncatalytic	46.55	0.00
tblWoodstoves	NumberNoncatalytic	37.70	0.00
tblWoodstoves	NumberNoncatalytic	72.45	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	113.7161	2.9738	258.0950	0.0137		5.6375	5.6375		5.5933	5.5933	0.0000	66,832.8654	66,832.8654	1.7159	1.2167	67,246.0844
Energy	2.3072	19.7293	8.4897	0.1258		1.5940	1.5940		1.5940	1.5940		25,168.9171	25,168.9171	0.4824	0.4614	25,322.0909
Mobile	62.5141	153.1599	688.0695	3.0837	208.5555	4.3182	212.8736	55.7657	3.9846	59.7503		220,901.2629	220,901.2629	5.8321		221,023.7362
Total	178.5374	175.8630	954.6541	3.2232	208.5555	11.5497	220.1051	55.7657	11.1718	66.9376	0.0000	312,903.0453	312,903.0453	8.0303	1.6782	313,591.9115

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	113.7161	2.9738	258.0950	0.0137		5.6375	5.6375		5.5933	5.5933	0.0000	66,832.8654	66,832.8654	1.7159	1.2167	67,246.0844
Energy	2.3072	19.7293	8.4897	0.1258		1.5940	1.5940		1.5940	1.5940		25,168.9171	25,168.9171	0.4824	0.4614	25,322.0909

Mobile	62.5141	153.1599	688.0695	3.0837	208.5555	4.3182	212.8736	55.7657	3.9846	59.7503		220,901.2629	220,901.2629	5.8321		221,023.7362
Total	178.5374	175.8630	954.6541	3.2232	208.5555	11.5497	220.1051	55.7657	11.1718	66.9376	0.0000	312,903.0453	312,903.0453	8.0303	1.6782	313,591.9115

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	No Construction	Building Construction	1/1/2017	12/30/2016	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
No Construction	Cranes	1	7.00	226	0.29
No Construction	Forklifts	3	8.00	89	0.20
No Construction	Generator Sets	1	8.00	84	0.74
No Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
No Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
No Construction	9	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Clean Paved Roads

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	62.5141	153.1599	688.0695	3.0837	208.5555	4.3182	212.8736	55.7657	3.9846	59.7503		220,901.2629	220,901.2629	5.8321		221,023.7362
Mitigated	62.5141	153.1599	688.0695	3.0837	208.5555	4.3182	212.8736	55.7657	3.9846	59.7503		220,901.2629	220,901.2629	5.8321		221,023.7362

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	6,191.15	6,191.15	6191.15	21,156,100	21,156,100
City Park	1,250.00	1,250.00	1250.00	3,596,925	3,596,925
Elementary School	1,032.00	0.00	0.00	2,540,477	2,540,477
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Retirement Community	2,774.72	2,774.72	2774.72	9,481,640	9,481,640
Single Family Housing	13,794.48	13,794.48	13794.48	47,137,834	47,137,834
Regional Shopping Center	6,099.29	6,099.29	6099.29	13,191,808	13,191,808
Total	31,141.64	30,109.64	30,109.64	97,104,785	97,104,785

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Retirement Community	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.475956	0.062534	0.188657	0.147142	0.045607	0.007258	0.017370	0.042746	0.002183	0.002612	0.003879	0.000535	0.003521

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	2.3072	19.7293	8.4897	0.1258		1.5940	1.5940		1.5940	1.5940		25,168.9171	25,168.9171	0.4824	0.4614	25,322.0909
NaturalGas Unmitigated	2.3072	19.7293	8.4897	0.1258		1.5940	1.5940		1.5940	1.5940		25,168.9171	25,168.9171	0.4824	0.4614	25,322.0909

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	35001	0.3775	3.2256	1.3726	0.0206		0.2608	0.2608		0.2608	0.2608		4,117.7657	4,117.7657	0.0789	0.0755	4,142.8258
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	1672.98	0.0180	0.1640	0.1378	9.8000e-004		0.0125	0.0125		0.0125	0.0125		196.8216	196.8216	3.7700e-003	3.6100e-003	198.0194
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	645.812	6.9600e-003	0.0633	0.0532	3.8000e-004		4.8100e-003	4.8100e-003		4.8100e-003	4.8100e-003		75.9779	75.9779	1.4600e-003	1.3900e-003	76.4402
Retirement Community	42565.9	0.4590	3.9227	1.6693	0.0250		0.3172	0.3172		0.3172	0.3172		5,007.7581	5,007.7581	0.0960	0.0918	5,038.2345
Single Family Housing	134050	1.4456	12.3536	5.2569	0.0789		0.9988	0.9988		0.9988	0.9988		15,770.5937	15,770.5937	0.3023	0.2891	15,866.5710
Total		2.3071	19.7293	8.4897	0.1258		1.5940	1.5940		1.5940	1.5940		25,168.9171	25,168.9171	0.4824	0.4614	25,322.0909

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	35,001	0.3775	3.2256	1.3726	0.0206		0.2608	0.2608		0.2608	0.2608		4,117.7657	4,117.7657	0.0789	0.0755	4,142.8258
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	1,672.98	0.0180	0.1640	0.1378	9.8000e-004		0.0125	0.0125		0.0125	0.0125		196.8216	196.8216	3.7700e-003	3.6100e-003	198.0194
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Regional Shopping Center	0.645812	6.9600e-003	0.0633	0.0532	3.8000e-004		4.8100e-003	4.8100e-003		4.8100e-003	4.8100e-003		75.9779	75.9779	1.4600e-003	1.3900e-003	76.4402
Retirement Community	42.5659	0.4590	3.9227	1.6693	0.0250		0.3172	0.3172		0.3172	0.3172		5,007.7581	5,007.7581	0.0960	0.0918	5,038.2345
Single Family Housing	134.05	1.4456	12.3536	5.2569	0.0789		0.9988	0.9988		0.9988	0.9988		15,770.5937	15,770.5937	0.3023	0.2891	15,866.5710
Total		2.3071	19.7293	8.4897	0.1258		1.5940	1.5940		1.5940	1.5940		25,168.9171	25,168.9171	0.4824	0.4614	25,322.0909

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	113.7161	2.9738	258.0950	0.0137		5.6375	5.6375		5.5933	5.5933	0.0000	66,832.8654	66,832.8654	1.7159	1.2167	67,246.0844
Mitigated	113.7161	2.9738	258.0950	0.0137		5.6375	5.6375		5.5933	5.5933	0.0000	66,832.8654	66,832.8654	1.7159	1.2167	67,246.0844

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	10.5871					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	89.3314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Hearth	6.0837	2.8000e-004	0.3318	0.0000		4.2033	4.2033		4.1590	4.1590	0.0000	66,367.0588	66,367.0588	1.2720	1.2167	66,770.9577
Landscaping	7.7140	2.9736	257.7632	0.0137		1.4343	1.4343		1.4343	1.4343		465.8066	465.8066	0.4438		475.1267
Total	113.7161	2.9738	258.0950	0.0137		5.6375	5.6375		5.5933	5.5933	0.0000	66,832.8654	66,832.8654	1.7159	1.2167	67,246.0844

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	10.5871					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	89.3314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	6.0837	2.8000e-004	0.3318	0.0000		4.2033	4.2033		4.1590	4.1590	0.0000	66,367.0588	66,367.0588	1.2720	1.2167	66,770.9577
Landscaping	7.7140	2.9736	257.7632	0.0137		1.4343	1.4343		1.4343	1.4343		465.8066	465.8066	0.4438		475.1267
Total	113.7161	2.9738	258.0950	0.0137		5.6375	5.6375		5.5933	5.5933	0.0000	66,832.8654	66,832.8654	1.7159	1.2167	67,246.0844

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Rancho San Gorgonio Specific Plan - Phase 6

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	800.00	Student	1.54	66,882.70	0
Other Non-Asphalt Surfaces	186.70	Acre	186.70	0.00	0
City Park	25.00	Acre	25.00	50,000.00	0
Apartments Low Rise	931.00	Dwelling Unit	58.19	931,000.00	2663
Retirement Community	754.00	Dwelling Unit	150.80	754,000.00	2156
Single Family Housing	1,449.00	Dwelling Unit	470.45	2,608,200.00	4144
Regional Shopping Center	101.60	1000sqft	2.33	101,604.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	630.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - No buildings in the community parks (represented by Other Non-Asphalt Surfaces), assume 1 small building in main park.

Construction Phase - No construction

Off-road Equipment - .

Off-road Equipment -

Trips and VMT - No construction

Grading -

Vehicle Trips - traffic analysis rates

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - no wood fireplaces

Energy Use -

Water And Wastewater - Other Non-Asphalt Surfaces represents Neighborhood Parks, set water usage rate to match City Park.

Solid Waste - Other Non-Asphalt Surfaces represents Neighborhood Parks, set waste rate to match City Park.

Construction Off-road Equipment Mitigation - No construction

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	13,950.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	791.35	931.00
tblFireplaces	NumberGas	640.90	754.00
tblFireplaces	NumberGas	1,231.65	1,449.00
tblFireplaces	NumberNoFireplace	93.10	0.00
tblFireplaces	NumberNoFireplace	75.40	0.00
tblFireplaces	NumberNoFireplace	144.90	0.00
tblFireplaces	NumberWood	46.55	0.00
tblFireplaces	NumberWood	37.70	0.00
tblFireplaces	NumberWood	72.45	0.00
tblLandUse	LandUseSquareFeet	8,132,652.00	0.00
tblLandUse	LandUseSquareFeet	1,089,000.00	50,000.00
tblProjectCharacteristics	OperationalYear	2014	2035
tblSolidWaste	SolidWasteGenerationRate	0.00	16.10

tblTripsAndVMT	VendorTripNumber	371.00	0.00
tblTripsAndVMT	WorkerTripNumber	1,816.00	0.00
tblVehicleTrips	ST_TR	7.16	6.65
tblVehicleTrips	ST_TR	1.59	50.00
tblVehicleTrips	ST_TR	2.81	3.68
tblVehicleTrips	ST_TR	10.08	9.52
tblVehicleTrips	ST_TR	49.97	60.03
tblVehicleTrips	SU_TR	6.07	6.65
tblVehicleTrips	SU_TR	1.59	50.00
tblVehicleTrips	SU_TR	2.81	3.68
tblVehicleTrips	SU_TR	8.77	9.52
tblVehicleTrips	SU_TR	25.24	60.03
tblVehicleTrips	WD_TR	6.59	6.65
tblVehicleTrips	WD_TR	1.59	50.00
tblVehicleTrips	WD_TR	2.81	3.68
tblVehicleTrips	WD_TR	9.57	9.52
tblVehicleTrips	WD_TR	42.94	60.03
tblWater	OutdoorWaterUseRate	0.00	222,449,568.00
tblWoodstoves	NumberCatalytic	46.55	0.00
tblWoodstoves	NumberCatalytic	37.70	0.00
tblWoodstoves	NumberCatalytic	72.45	0.00
tblWoodstoves	NumberNoncatalytic	46.55	0.00
tblWoodstoves	NumberNoncatalytic	37.70	0.00
tblWoodstoves	NumberNoncatalytic	72.45	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	19.2754	0.3717	32.2245	1.7100e-003		0.2318	0.2318		0.2313	0.2313	0.0000	805.4114	805.4114	0.0648	0.0138	811.0484
Energy	0.4211	3.6006	1.5494	0.0230		0.2909	0.2909		0.2909	0.2909	0.0000	10,119.3285	10,119.3285	0.3535	0.1330	10,167.9827
Mobile	10.7159	28.1471	124.6421	0.5617	36.8825	0.7755	37.6580	9.8770	0.7156	10.5925	0.0000	36,461.4816	36,461.4816	0.9506	0.0000	36,481.4441
Waste						0.0000	0.0000		0.0000	0.0000	557.2244	0.0000	557.2244	32.9310	0.0000	1,248.7758
Water						0.0000	0.0000		0.0000	0.0000	67.7838	2,037.8607	2,105.6445	7.0557	0.1838	2,310.7832
Total	30.4124	32.1194	158.4160	0.5863	36.8825	1.2982	38.1807	9.8770	1.2377	11.1147	625.0082	49,424.0822	50,049.0904	41.3556	0.3306	51,020.0343

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Area	19.2754	0.3717	32.2245	1.7100e-003		0.2318	0.2318		0.2313	0.2313	0.0000	805.4114	805.4114	0.0648	0.0138	811.0484
Energy	0.4211	3.6006	1.5494	0.0230		0.2909	0.2909		0.2909	0.2909	0.0000	10,119.3285	10,119.3285	0.3535	0.1330	10,167.9827
Mobile	10.7159	28.1471	124.6421	0.5617	36.8825	0.7755	37.6580	9.8770	0.7156	10.5925	0.0000	36,461.4816	36,461.4816	0.9506	0.0000	36,481.4441
Waste						0.0000	0.0000		0.0000	0.0000	557.2244	0.0000	557.2244	32.9310	0.0000	1,248.7758
Water						0.0000	0.0000		0.0000	0.0000	67.7838	2,037.8607	2,105.6445	7.0545	0.1835	2,310.6751
Total	30.4124	32.1194	158.4160	0.5863	36.8825	1.2982	38.1807	9.8770	1.2377	11.1147	625.0082	49,424.0822	50,049.0904	41.3543	0.3303	51,019.9261

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	No Construction	Building Construction	1/1/2017	12/30/2016	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
No Construction	Cranes	1	7.00	226	0.29
No Construction	Forklifts	3	8.00	89	0.20
No Construction	Generator Sets	1	8.00	84	0.74

No Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
No Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
No Construction	9	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Clean Paved Roads

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	10.7159	28.1471	124.6421	0.5617	36.8825	0.7755	37.6580	9.8770	0.7156	10.5925	0.0000	36,461.4816	36,461.4816	0.9506	0.0000	36,481.4441
Unmitigated	10.7159	28.1471	124.6421	0.5617	36.8825	0.7755	37.6580	9.8770	0.7156	10.5925	0.0000	36,461.4816	36,461.4816	0.9506	0.0000	36,481.4441

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	6,191.15	6,191.15	6191.15	21,156,100	21,156,100
City Park	1,250.00	1,250.00	1250.00	3,596,925	3,596,925

Elementary School	1,032.00	0.00	0.00	2,540,477	2,540,477
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Retirement Community	2,774.72	2,774.72	2774.72	9,481,640	9,481,640
Single Family Housing	13,794.48	13,794.48	13794.48	47,137,834	47,137,834
Regional Shopping Center	6,099.29	6,099.29	6099.29	13,191,808	13,191,808
Total	31,141.64	30,109.64	30,109.64	97,104,785	97,104,785

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Retirement Community	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.475956	0.062534	0.188657	0.147142	0.045607	0.007258	0.017370	0.042746	0.002183	0.002612	0.003879	0.000535	0.003521

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
NaturalGas Mitigated	0.4211	3.6006	1.5494	0.0230		0.2909	0.2909		0.2909	0.2909	0.0000	4,166.9965	4,166.9965	0.0799	0.0764	4,192.3561

NaturalGas Unmitigated	0.4211	3.6006	1.5494	0.0230		0.2909	0.2909		0.2909	0.2909	0.0000	4,166.996 5	4,166.9965	0.0799	0.0764	4,192.356 1
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	5,952.332 0	5,952.3320	0.2736	0.0566	5,975.626 6
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	5,952.332 0	5,952.3320	0.2736	0.0566	5,975.626 6

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas s Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	1.27754e+ 007	0.0689	0.5887	0.2505	3.7600e- 003		0.0476	0.0476		0.0476	0.0476	0.0000	681.7423	681.7423	0.0131	0.0125	685.8913
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	610639	3.2900e- 003	0.0299	0.0251	1.8000e- 004		2.2700e- 003	2.2700e- 003		2.2700e- 003	2.2700e- 003	0.0000	32.5860	32.5860	6.2000e- 004	6.0000e- 004	32.7843
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	235721	1.2700e- 003	0.0116	9.7100e- 003	7.0000e- 005		8.8000e- 004	8.8000e- 004		8.8000e- 004	8.8000e- 004	0.0000	12.5790	12.5790	2.4000e- 004	2.3000e- 004	12.6555
Retirement Community	1.55366e+ 007	0.0838	0.7159	0.3046	4.5700e- 003		0.0579	0.0579		0.0579	0.0579	0.0000	829.0905	829.0905	0.0159	0.0152	834.1362
Single Family Housing	4.89283e+ 007	0.2638	2.2545	0.9594	0.0144		0.1823	0.1823		0.1823	0.1823	0.0000	2,610.9987	2,610.998 7	0.0500	0.0479	2,626.888 8
Total		0.4211	3.6006	1.5494	0.0230		0.2909	0.2909		0.2909	0.2909	0.0000	4,166.9965	4,166.996 5	0.0799	0.0764	4,192.356 1

Mitigated

	NaturalGas s Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	1.27754e+007	0.0689	0.5887	0.2505	3.7600e-003		0.0476	0.0476		0.0476	0.0476	0.0000	681.7423	681.7423	0.0131	0.0125	685.8913
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	610639	3.2900e-003	0.0299	0.0251	1.8000e-004		2.2700e-003	2.2700e-003		2.2700e-003	2.2700e-003	0.0000	32.5860	32.5860	6.2000e-004	6.0000e-004	32.7843
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	235721	1.2700e-003	0.0116	9.7100e-003	7.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004	0.0000	12.5790	12.5790	2.4000e-004	2.3000e-004	12.6555
Retirement Community	1.55366e+007	0.0838	0.7159	0.3046	4.5700e-003		0.0579	0.0579		0.0579	0.0579	0.0000	829.0905	829.0905	0.0159	0.0152	834.1362
Single Family Housing	4.89283e+007	0.2638	2.2545	0.9594	0.0144		0.1823	0.1823		0.1823	0.1823	0.0000	2,610.9987	2,610.9987	0.0500	0.0479	2,626.8888
Total		0.4211	3.6006	1.5494	0.0230		0.2909	0.2909		0.2909	0.2909	0.0000	4,166.9965	4,166.9965	0.0799	0.0764	4,192.3561

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	3.79645e+006	1,086.4184	0.0499	0.0103	1,090.6701
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	607964	173.9791	8.0000e-003	1.6500e-003	174.6600
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.59112e+006	455.3255	0.0209	4.3300e-003	457.1074
Retirement Community	3.67688e+006	1,052.2016	0.0484	0.0100	1,056.3194
Single Family Housing	1.11278e+007	3,184.4075	0.1464	0.0303	3,196.8697

Total		5,952.3320	0.2736	0.0566	5,975.6266

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	3.79645e+006	1,086.4184	0.0499	0.0103	1,090.6701
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	607964	173.9791	8.0000e-003	1.6500e-003	174.6600
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.59112e+006	455.3255	0.0209	4.3300e-003	457.1074
Retirement Community	3.67688e+006	1,052.2016	0.0484	0.0100	1,056.3194
Single Family Housing	1.11278e+007	3,184.4075	0.1464	0.0303	3,196.8697
Total		5,952.3320	0.2736	0.0566	5,975.6266

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Mitigated	19.2754	0.3717	32.2245	1.7100e-003		0.2318	0.2318		0.2313	0.2313	0.0000	805.4114	805.4114	0.0648	0.0138	811.0484
Unmitigated	19.2754	0.3717	32.2245	1.7100e-003		0.2318	0.2318		0.2313	0.2313	0.0000	805.4114	805.4114	0.0648	0.0138	811.0484

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.9322					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	16.3030					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0761	0.0000	4.1500e-003	0.0000		0.0525	0.0525		0.0520	0.0520	0.0000	752.5898	752.5898	0.0144	0.0138	757.1699
Landscaping	0.9643	0.3717	32.2204	1.7100e-003		0.1793	0.1793		0.1793	0.1793	0.0000	52.8216	52.8216	0.0503	0.0000	53.8785
Total	19.2754	0.3717	32.2246	1.7100e-003		0.2318	0.2318		0.2313	0.2313	0.0000	805.4114	805.4114	0.0648	0.0138	811.0484

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.9322					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	16.3030					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0761	0.0000	4.1500e-003	0.0000		0.0525	0.0525		0.0520	0.0520	0.0000	752.5898	752.5898	0.0144	0.0138	757.1699

Landscaping	0.9643	0.3717	32.2204	1.7100e-003		0.1793	0.1793		0.1793	0.1793	0.0000	52.8216	52.8216	0.0503	0.0000	53.8785
Total	19.2754	0.3717	32.2246	1.7100e-003		0.2318	0.2318		0.2313	0.2313	0.0000	805.4114	805.4114	0.0648	0.0138	811.0484

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Unmitigated	2,105.6445	7.0557	0.1838	2,310.7832
Mitigated	2,105.6445	7.0545	0.1835	2,310.6751

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	60.6584 / 38.2412	366.8488	1.9925	0.0500	424.1848
City Park	0 / 29.787	94.7023	4.3500e-003	9.0000e-004	95.0730
Elementary School	1.93939 / 4.98701	23.6971	0.0643	1.7100e-003	25.5771
Other Non-Asphalt Surfaces	0 / 222.45	707.2371	0.0325	6.7300e-003	710.0049
Regional Shopping Center	7.52577 / 4.61257	45.0947	0.2472	6.2000e-003	52.2067

Retirement Community	49.1261 / 30.9708	297.1042	1.6137	0.0405	343.5396
Single Family Housing	94.4082 / 59.5182	570.9602	3.1012	0.0778	660.1974
Total		2,105.6445	7.0557	0.1838	2,310.7832

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	60.6584 / 38.2412	366.8488	1.9922	0.0499	424.1541
City Park	0 / 29.787	94.7023	4.3500e-003	9.0000e-004	95.0730
Elementary School	1.93939 / 4.98701	23.6971	0.0642	1.7100e-003	25.5761
Other Non-Asphalt Surfaces	0 / 222.45	707.2371	0.0325	6.7300e-003	710.0049
Regional Shopping Center	7.52577 / 4.61257	45.0947	0.2472	6.1900e-003	52.2029
Retirement Community	49.1261 / 30.9708	297.1042	1.6134	0.0404	343.5147
Single Family Housing	94.4082 / 59.5182	570.9602	3.1006	0.0777	660.1496
Total		2,105.6445	7.0544	0.1835	2,310.6751

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	557.2244	32.9310	0.0000	1,248.7758
Unmitigated	557.2244	32.9310	0.0000	1,248.7758

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	428.26	86.9329	5.1376	0.0000	194.8223
City Park	2.15	0.4364	0.0258	0.0000	0.9781
Elementary School	146	29.6367	1.7515	0.0000	66.4177
Other Non-Asphalt Surfaces	16.1	3.2682	0.1931	0.0000	7.3241
Regional Shopping Center	106.68	21.6551	1.2798	0.0000	48.5304
Retirement Community	346.84	70.4054	4.1608	0.0000	157.7830
Single Family Housing	1699.04	344.8898	20.3824	0.0000	772.9202
Total		557.2244	32.9310	0.0000	1,248.7758

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	428.26	86.9329	5.1376	0.0000	194.8223
City Park	2.15	0.4364	0.0258	0.0000	0.9781
Elementary School	146	29.6367	1.7515	0.0000	66.4177
Other Non-Asphalt Surfaces	16.1	3.2682	0.1931	0.0000	7.3241
Regional Shopping Center	106.68	21.6551	1.2798	0.0000	48.5304
Retirement Community	346.84	70.4054	4.1608	0.0000	157.7830
Single Family Housing	1699.04	344.8898	20.3824	0.0000	772.9202
Total		557.2244	32.9310	0.0000	1,248.7758

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

APPENDIX B

CALINE4 MODEL PRINTOUTS

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: ExistNP-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. Sunset A NBA	*	2	-150	2	0	* AG	156	3.1	0.0	10.0
B. Sunset A NBD	*	2	0	2	150	* AG	373	2.2	0.0	10.0
C. Sunset A NBL	*	2	-150	0	0	* AG	0	2.1	0.0	10.0
D. Sunset A SBA	*	-2	150	-2	0	* AG	115	3.1	0.0	10.0
E. Sunset A SBD	*	-2	0	-2	-150	* AG	181	2.2	0.0	10.0
F. Sunset A SBL	*	-2	150	0	0	* AG	117	4.2	0.0	10.0
G. I-10 EB EBA	*	-150	-2	0	-2	* AG	71	3.9	0.0	10.0
H. I-10 EB EBD	*	0	-2	150	-2	* AG	139	2.4	0.0	10.0
I. I-10 EB EBL	*	-150	-2	0	0	* AG	234	4.2	0.0	10.0
J. I-10 EB WBA	*	150	0	0	0	* AG	0	2.1	0.0	10.0
K. I-10 EB WBD	*	0	0	-150	0	* AG	0	2.1	0.0	10.0
L. I-10 EB WBL	*	150	2	0	0	* AG	0	2.1	0.0	10.0
M. Sunset NBAX	*	2	-750	2	-150	* AG	156	2.1	0.0	10.0
N. Sunset NBDX	*	2	150	2	750	* AG	373	2.1	0.0	10.0
O. Sunset SBAX	*	-2	750	-2	150	* AG	232	2.1	0.0	10.0
P. Sunset SBDX	*	-2	-150	-2	-750	* AG	181	2.1	0.0	10.0
Q. I-10 EB EBAX	*	-750	-2	-150	-2	* AG	305	2.1	0.0	10.0
R. I-10 EB EBDX	*	150	-2	750	-2	* AG	139	2.1	0.0	10.0
S. I-10 EB WBAX	*	750	0	150	0	* AG	0	2.1	0.0	10.0
T. I-10 EB WBDX	*	-150	0	-750	0	* AG	0	2.1	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: ExistNP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-8	1.8
2. NW	*	-8	7	1.8
3. SW	*	-8	-8	1.8
4. NE	*	8	7	1.8
5. ES mdbl	*	150	-8	1.8
6. WN mdbl	*	-150	7	1.8
7. WS mdbl	*	-150	-8	1.8
8. EN mdbl	*	150	7	1.8
9. SE mdbl	*	8	-150	1.8
10. NW mdbl	*	-8	150	1.8
11. SW mdbl	*	-8	-150	1.8
12. NE mdbl	*	8	150	1.8
13. ES blk	*	600	-8	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-8	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	8	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: ExistNP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	354.	*	0.3	*	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0
2. NW	*	6.	*	0.3	*	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0
3. SW	*	6.	*	0.4	*	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0
4. NE	*	263.	*	0.3	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	274.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
6. WN mdbl	*	98.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	81.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
8. EN mdbl	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	355.	*	0.2	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	173.	*	0.3	*	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0
11. SW mdbl	*	4.	*	0.2	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	*	188.	*	0.3	*	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	85.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	355.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	5.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: ExistNP-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: ExistNP-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*			EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	*	TYPE	VPH	(G/MI)	(M)	(M)
A. Sunset A NBA	*	2	-150	2	0	*	AG	17	3.1	0.0	10.0
B. Sunset A NBD	*	2	0	2	150	*	AG	26	2.2	0.0	10.0
C. Sunset A NBL	*	2	-150	0	0	*	AG	0	2.1	0.0	10.0
D. Sunset A SBA	*	-2	150	-2	0	*	AG	16	3.1	0.0	10.0
E. Sunset A SBD	*	-2	0	-2	-150	*	AG	18	2.2	0.0	10.0
F. Sunset A SBL	*	-2	150	0	0	*	AG	38	4.2	0.0	10.0
G. Westward EBA	*	-150	0	0	0	*	AG	0	2.1	0.0	10.0
H. Westward EBD	*	0	0	150	0	*	AG	42	2.4	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	*	AG	0	2.1	0.0	10.0
J. Westward WBA	*	150	0	0	0	*	AG	13	3.9	0.0	10.0
K. Westward WBD	*	0	0	-150	0	*	AG	0	2.1	0.0	10.0
L. Westward WBL	*	150	2	0	0	*	AG	2	4.2	0.0	10.0
M. Sunset NBAX	*	2	-750	2	-150	*	AG	17	2.1	0.0	10.0
N. Sunset NBDX	*	2	150	2	750	*	AG	26	2.1	0.0	10.0
O. Sunset SBAX	*	-2	750	-2	150	*	AG	54	2.1	0.0	10.0
P. Sunset SBDX	*	-2	-150	-2	-750	*	AG	18	2.1	0.0	10.0
Q. Westwar EBAX	*	-750	0	-150	0	*	AG	0	2.1	0.0	10.0
R. Westwar EBDX	*	150	0	750	0	*	AG	42	2.1	0.0	10.0
S. Westwar WBAX	*	750	0	150	0	*	AG	15	2.1	0.0	10.0
T. Westwar WBDX	*	-150	0	-750	0	*	AG	0	2.1	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: ExistNP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-7	1.8
2. NW	*	-8	7	1.8
3. SW	*	-8	-7	1.8
4. NE	*	8	7	1.8
5. ES mdbl	*	150	-7	1.8
6. WN mdbl	*	-150	7	1.8
7. WS mdbl	*	-150	-7	1.8
8. EN mdbl	*	150	7	1.8
9. SE mdbl	*	8	-150	1.8
10. NW mdbl	*	-8	150	1.8
11. SW mdbl	*	-8	-150	1.8
12. NE mdbl	*	8	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	8	600	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: ExistNP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	94.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SW	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	278.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	91.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	88.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	263.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	357.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	173.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. SW mdbl	*	3.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	186.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	89.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	88.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	266.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	357.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	176.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	3.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	184.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 4

JOB: Rancho San Gorgonio Specific Plan

RUN: ExistNP-02 (WORST CASE ANGLE)

POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: ExistNP-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. 22nd Str NBA	*	2	-150	2	0	* AG	2	3.5	0.0	10.0
B. 22nd Str NBD	*	2	0	2	150	* AG	42	2.2	0.0	10.0
C. 22nd Str NBL	*	2	-150	0	0	* AG	2	4.2	0.0	10.0
D. 22nd Str SBA	*	-4	150	-4	0	* AG	11	3.5	0.0	10.0
E. 22nd Str SBD	*	-4	0	-4	-150	* AG	6	2.2	0.0	10.0
F. 22nd Str SBL	*	-2	150	0	0	* AG	23	4.2	0.0	10.0
G. Westward EBA	*	-150	-2	0	-2	* AG	36	3.5	0.0	10.0
H. Westward EBD	*	0	-2	150	-2	* AG	57	2.2	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	* AG	25	4.2	0.0	10.0
J. Westward WBA	*	150	2	0	2	* AG	31	3.5	0.0	10.0
K. Westward WBD	*	0	2	-150	2	* AG	26	2.2	0.0	10.0
L. Westward WBL	*	150	2	0	0	* AG	1	4.2	0.0	10.0
M. 22nd St NBAX	*	2	-750	2	-150	* AG	4	2.1	0.0	10.0
N. 22nd St NBDX	*	2	150	2	750	* AG	42	2.1	0.0	10.0
O. 22nd St SBAX	*	-4	750	-4	150	* AG	34	2.1	0.0	10.0
P. 22nd St SBDX	*	-4	-150	-4	-750	* AG	6	2.1	0.0	10.0
Q. Westwar EBAX	*	-750	-2	-150	-2	* AG	61	2.1	0.0	10.0
R. Westwar EBDX	*	150	-2	750	-2	* AG	57	2.1	0.0	10.0
S. Westwar WBAX	*	750	2	150	2	* AG	32	2.1	0.0	10.0
T. Westwar WBDX	*	-150	2	-750	2	* AG	26	2.1	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: ExistNP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-8	1.8
2. NW	*	-10	8	1.8
3. SW	*	-10	-8	1.8
4. NE	*	8	8	1.8
5. ES mdbl	*	150	-8	1.8
6. WN mdbl	*	-150	8	1.8
7. WS mdbl	*	-150	-8	1.8
8. EN mdbl	*	150	8	1.8
9. SE mdbl	*	8	-150	1.8
10. NW mdbl	*	-10	150	1.8
11. SW mdbl	*	-10	-150	1.8
12. NE mdbl	*	8	150	1.8
13. ES blk	*	600	-8	1.8
14. WN blk	*	-600	8	1.8
15. WS blk	*	-600	-8	1.8
16. EN blk	*	600	8	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-10	600	1.8
19. SW blk	*	-10	-600	1.8
20. NE blk	*	8	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: ExistNP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SW	*	6.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	264.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	266.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	358.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	171.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. SW mdbl	*	2.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	188.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	274.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	93.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	86.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	266.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	358.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	2.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	185.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: ExistNP-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: ExistNP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. 8th Stre NBA	*	2	-150	2	0	* AG	380	3.3	0.0	10.0
B. 8th Stre NBD	*	2	0	2	150	* AG	527	2.3	0.0	10.0
C. 8th Stre NBL	*	2	-150	0	0	* AG	134	4.2	0.0	10.0
D. 8th Stre SBA	*	-2	150	-2	0	* AG	563	3.5	0.0	10.0
E. 8th Stre SBD	*	-2	0	-2	-150	* AG	251	2.2	0.0	10.0
F. 8th Stre SBL	*	-2	150	0	0	* AG	0	2.1	0.0	10.0
G. I-10 WB EBA	*	-150	0	0	0	* AG	0	2.1	0.0	10.0
H. I-10 WB EBD	*	0	0	150	0	* AG	0	2.1	0.0	10.0
I. I-10 WB EBL	*	-150	-2	0	0	* AG	0	2.1	0.0	10.0
J. I-10 WB WBA	*	150	2	0	2	* AG	151	3.9	0.0	10.0
K. I-10 WB WBD	*	0	2	-150	2	* AG	478	3.7	0.0	10.0
L. I-10 WB WBL	*	150	2	0	0	* AG	28	4.2	0.0	10.0
M. 8th Str NBAX	*	2	-750	2	-150	* AG	514	2.1	0.0	10.0
N. 8th Str NBDX	*	2	150	2	750	* AG	527	2.1	0.0	10.0
O. 8th Str SBAX	*	-2	750	-2	150	* AG	563	2.1	0.0	10.0
P. 8th Str SBDX	*	-2	-150	-2	-750	* AG	251	2.1	0.0	10.0
Q. I-10 WB EBAX	*	-750	0	-150	0	* AG	0	2.1	0.0	10.0
R. I-10 WB EBDX	*	150	0	750	0	* AG	0	2.1	0.0	10.0
S. I-10 WB WBAX	*	750	2	150	2	* AG	179	2.1	0.0	10.0
T. I-10 WB WBDX	*	-150	2	-750	2	* AG	478	2.1	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: ExistNP-04 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-7	1.8
2. NW	*	-8	8	1.8
3. SW	*	-8	-7	1.8
4. NE	*	8	8	1.8
5. ES mdbl	*	150	-7	1.8
6. WN mdbl	*	-150	8	1.8
7. WS mdbl	*	-150	-7	1.8
8. EN mdbl	*	150	8	1.8
9. SE mdbl	*	8	-150	1.8
10. NW mdbl	*	-8	150	1.8
11. SW mdbl	*	-8	-150	1.8
12. NE mdbl	*	8	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	8	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	8	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	8	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: ExistNP-04 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	353.	*	0.5	*	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0
2. NW	*	172.	*	0.5	*	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0
3. SW	*	7.	*	0.6	*	0.0	0.1	0.0	0.3	0.0	0.0	0.0	0.0
4. NE	*	263.	*	0.5	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
5. ES mdbl	*	275.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	98.	*	0.4	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	81.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	266.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	354.	*	0.5	*	0.2	0.0	0.1	0.0	0.1	0.0	0.0	0.0
10. NW mdbl	*	173.	*	0.5	*	0.0	0.1	0.0	0.3	0.0	0.0	0.0	0.0
11. SW mdbl	*	6.	*	0.4	*	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.5	*	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	84.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	174.	*	0.4	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	5.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.4	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: ExistNP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.1	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: ExistNP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. 8th Stre NBA	*	2	-150	2	0	* AG	303	3.3	0.0	10.0
B. 8th Stre NBD	*	2	0	2	150	* AG	533	2.3	0.0	10.0
C. 8th Stre NBL	*	2	-150	0	0	* AG	0	2.1	0.0	10.0
D. 8th Stre SBA	*	-2	150	-2	0	* AG	143	3.1	0.0	10.0
E. 8th Stre SBD	*	-2	0	-2	-150	* AG	279	2.2	0.0	10.0
F. 8th Stre SBL	*	-2	150	0	0	* AG	110	4.2	0.0	10.0
G. I-10 EB EBA	*	-150	-2	0	-2	* AG	139	3.9	0.0	10.0
H. I-10 EB EBD	*	0	-2	150	-2	* AG	142	2.4	0.0	10.0
I. I-10 EB EBL	*	-150	-2	0	0	* AG	259	4.2	0.0	10.0
J. I-10 EB WBA	*	150	0	0	0	* AG	0	2.1	0.0	10.0
K. I-10 EB WBD	*	0	0	-150	0	* AG	0	2.1	0.0	10.0
L. I-10 EB WBL	*	150	2	0	0	* AG	0	2.1	0.0	10.0
M. 8th Str NBAX	*	2	-750	2	-150	* AG	303	2.1	0.0	10.0
N. 8th Str NBDX	*	2	150	2	750	* AG	533	2.1	0.0	10.0
O. 8th Str SBAX	*	-2	750	-2	150	* AG	253	2.1	0.0	10.0
P. 8th Str SBDX	*	-2	-150	-2	-750	* AG	279	2.1	0.0	10.0
Q. I-10 EB EBAX	*	-750	-2	-150	-2	* AG	398	2.1	0.0	10.0
R. I-10 EB EBDX	*	150	-2	750	-2	* AG	142	2.1	0.0	10.0
S. I-10 EB WBAX	*	750	0	150	0	* AG	0	2.1	0.0	10.0
T. I-10 EB WBDX	*	-150	0	-750	0	* AG	0	2.1	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: Rancho San Gorgonio Specific Plan
RUN: ExistNP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-8	1.8
2. NW	*	-8	7	1.8
3. SW	*	-8	-8	1.8
4. NE	*	8	7	1.8
5. ES mdbl	*	150	-8	1.8
6. WN mdbl	*	-150	7	1.8
7. WS mdbl	*	-150	-8	1.8
8. EN mdbl	*	150	7	1.8
9. SE mdbl	*	8	-150	1.8
10. NW mdbl	*	-8	150	1.8
11. SW mdbl	*	-8	-150	1.8
12. NE mdbl	*	8	150	1.8
13. ES blk	*	600	-8	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-8	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	8	600	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: Rancho San Gorgonio Specific Plan
RUN: ExistNP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	353.	*	0.4	*	0.0	0.2	0.0	0.1	0.0	0.1	0.0	0.0
2. NW	*	174.	*	0.4	*	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
3. SW	*	6.	*	0.4	*	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0
4. NE	*	263.	*	0.4	*	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0
5. ES mdbl	*	273.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
6. WN mdbl	*	98.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
7. WS mdbl	*	81.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
8. EN mdbl	*	267.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	354.	*	0.3	*	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0
10. NW mdbl	*	174.	*	0.4	*	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0
11. SW mdbl	*	5.	*	0.3	*	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.4	*	0.0	0.2	0.0	0.1	0.0	0.1	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	96.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	84.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	174.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	5.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 4

JOB: Rancho San Gorgonio Specific Plan

RUN: ExistNP-05 (WORST CASE ANGLE)

POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: ExistNP-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. 8th Stre NBA	*	0	-150	0	0	* AG	0	2.1	0.0	10.0
B. 8th Stre NBD	*	0	0	0	150	* AG	66	2.4	0.0	10.0
C. 8th Stre NBL	*	2	-150	0	0	* AG	0	2.1	0.0	10.0
D. 8th Stre SBA	*	0	150	0	0	* AG	15	3.9	0.0	10.0
E. 8th Stre SBD	*	0	0	0	-150	* AG	0	2.1	0.0	10.0
F. 8th Stre SBL	*	-2	150	0	0	* AG	52	4.2	0.0	10.0
G. Westward EBA	*	-150	-2	0	-2	* AG	27	3.1	0.0	10.0
H. Westward EBD	*	0	-2	150	-2	* AG	79	2.2	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	* AG	10	4.2	0.0	10.0
J. Westward WBA	*	150	2	0	2	* AG	87	3.1	0.0	10.0
K. Westward WBD	*	0	2	-150	2	* AG	46	2.2	0.0	10.0
L. Westward WBL	*	150	2	0	0	* AG	0	2.1	0.0	10.0
M. 8th Str NBAX	*	0	-750	0	-150	* AG	0	2.1	0.0	10.0
N. 8th Str NBDX	*	0	150	0	750	* AG	66	2.1	0.0	10.0
O. 8th Str SBAX	*	0	750	0	150	* AG	67	2.1	0.0	10.0
P. 8th Str SBDX	*	0	-150	0	-750	* AG	0	2.1	0.0	10.0
Q. Westwar EBAX	*	-750	-2	-150	-2	* AG	37	2.1	0.0	10.0
R. Westwar EBDX	*	150	-2	750	-2	* AG	79	2.1	0.0	10.0
S. Westwar WBAX	*	750	2	150	2	* AG	87	2.1	0.0	10.0
T. Westwar WBDX	*	-150	2	-750	2	* AG	46	2.1	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: ExistNP-06 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	7	-8	1.8
2. NW	*	-7	8	1.8
3. SW	*	-7	-8	1.8
4. NE	*	7	8	1.8
5. ES mdbl	*	150	-8	1.8
6. WN mdbl	*	-150	8	1.8
7. WS mdbl	*	-150	-8	1.8
8. EN mdbl	*	150	8	1.8
9. SE mdbl	*	7	-150	1.8
10. NW mdbl	*	-7	150	1.8
11. SW mdbl	*	-7	-150	1.8
12. NE mdbl	*	7	150	1.8
13. ES blk	*	600	-8	1.8
14. WN blk	*	-600	8	1.8
15. WS blk	*	-600	-8	1.8
16. EN blk	*	600	8	1.8
17. SE blk	*	7	-600	1.8
18. NW blk	*	-7	600	1.8
19. SW blk	*	-7	-600	1.8
20. NE blk	*	7	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: ExistNP-06 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	355.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SW	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	277.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	93.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	359.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	173.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
11. SW mdbl	*	2.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	188.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	93.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	360.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	1.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	185.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 4

JOB: Rancho San Gorgonio Specific Plan

RUN: ExistNP-06 (WORST CASE ANGLE)

POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: ExistNP-07 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*			EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	*	TYPE	VPH	(G/MI)	(M)	(M)
A. San Gorg NBA	*	5	-150	5	0	*	AG	97	3.1	0.0	10.0
B. San Gorg NBD	*	5	0	5	150	*	AG	133	2.2	0.0	10.0
C. San Gorg NBL	*	5	-150	0	0	*	AG	5	4.2	0.0	10.0
D. San Gorg SBA	*	-2	150	-2	0	*	AG	163	3.1	0.0	10.0
E. San Gorg SBD	*	-2	0	-2	-150	*	AG	139	2.2	0.0	10.0
F. San Gorg SBL	*	-2	150	0	0	*	AG	0	2.1	0.0	10.0
G. Westward EBA	*	-150	0	0	0	*	AG	18	3.9	0.0	10.0
H. Westward EBD	*	0	0	150	0	*	AG	0	2.1	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	*	AG	36	4.2	0.0	10.0
J. Westward WBA	*	150	0	0	0	*	AG	0	2.1	0.0	10.0
K. Westward WBD	*	0	0	-150	0	*	AG	47	2.4	0.0	10.0
L. Westward WBL	*	150	2	0	0	*	AG	0	2.1	0.0	10.0
M. San Gor NBAX	*	5	-750	5	-150	*	AG	102	2.1	0.0	10.0
N. San Gor NBDX	*	5	150	5	750	*	AG	133	2.1	0.0	10.0
O. San Gor SBAX	*	-2	750	-2	150	*	AG	163	2.1	0.0	10.0
P. San Gor SBDX	*	-2	-150	-2	-750	*	AG	139	2.1	0.0	10.0
Q. Westwar EBAX	*	-750	0	-150	0	*	AG	54	2.1	0.0	10.0
R. Westwar EBDX	*	150	0	750	0	*	AG	0	2.1	0.0	10.0
S. Westwar WBAX	*	750	0	150	0	*	AG	0	2.1	0.0	10.0
T. Westwar WBDX	*	-150	0	-750	0	*	AG	47	2.1	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: ExistNP-07 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
		X	Y	Z
1. SE	*	12	-7	1.8
2. NW	*	-8	7	1.8
3. SW	*	-8	-7	1.8
4. NE	*	12	7	1.8
5. ES mdbl	*	150	-7	1.8
6. WN mdbl	*	-150	7	1.8
7. WS mdbl	*	-150	-7	1.8
8. EN mdbl	*	150	7	1.8
9. SE mdbl	*	12	-150	1.8
10. NW mdbl	*	-8	150	1.8
11. SW mdbl	*	-8	-150	1.8
12. NE mdbl	*	12	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	12	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	12	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: ExistNP-07 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	354.	*	0.1	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	6.	*	0.1	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
3. SW	*	6.	*	0.2	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
4. NE	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	271.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	98.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	83.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	269.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	354.	*	0.1	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	174.	*	0.2	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
11. SW mdbl	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.1	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	271.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	94.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	270.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	355.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 4

JOB: Rancho San Gorgonio Specific Plan

RUN: ExistNP-07 (WORST CASE ANGLE)

POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: ExistwP-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. Sunset A NBA	*	2	-150	2	0	* AG	398	3.3	0.0	10.0
B. Sunset A NBD	*	2	0	2	150	* AG	374	2.2	0.0	10.0
C. Sunset A NBL	*	2	-150	0	0	* AG	0	2.1	0.0	10.0
D. Sunset A SBA	*	-2	150	-2	0	* AG	400	3.3	0.0	10.0
E. Sunset A SBD	*	-2	0	-2	-150	* AG	584	2.3	0.0	10.0
F. Sunset A SBL	*	-2	150	0	0	* AG	0	2.1	0.0	10.0
G. I-10 EB EBA	*	-150	-2	0	-2	* AG	184	3.9	0.0	10.0
H. I-10 EB EBD	*	0	-2	150	-2	* AG	24	2.4	0.0	10.0
I. I-10 EB EBL	*	-150	-2	0	0	* AG	0	2.1	0.0	10.0
J. I-10 EB WBA	*	150	0	0	0	* AG	0	2.1	0.0	10.0
K. I-10 EB WBD	*	0	0	-150	0	* AG	0	2.1	0.0	10.0
L. I-10 EB WBL	*	150	2	0	0	* AG	0	2.1	0.0	10.0
M. Sunset NBAX	*	2	-750	2	-150	* AG	398	2.1	0.0	10.0
N. Sunset NBDX	*	2	150	2	750	* AG	374	2.1	0.0	10.0
O. Sunset SBAX	*	-2	750	-2	150	* AG	400	2.1	0.0	10.0
P. Sunset SBDX	*	-2	-150	-2	-750	* AG	584	2.1	0.0	10.0
Q. I-10 EB EBAX	*	-750	-2	-150	-2	* AG	184	2.1	0.0	10.0
R. I-10 EB EBDX	*	150	-2	750	-2	* AG	24	2.1	0.0	10.0
S. I-10 EB WBAX	*	750	0	150	0	* AG	0	2.1	0.0	10.0
T. I-10 EB WBDX	*	-150	0	-750	0	* AG	0	2.1	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: ExistwP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

		*	COORDINATES (M)		
RECEPTOR		*	X	Y	Z
		*	-----*		
1.	SE	*	8	-8	1.8
2.	NW	*	-8	7	1.8
3.	SW	*	-8	-8	1.8
4.	NE	*	8	7	1.8
5.	ES mdbl	*	150	-8	1.8
6.	WN mdbl	*	-150	7	1.8
7.	WS mdbl	*	-150	-8	1.8
8.	EN mdbl	*	150	7	1.8
9.	SE mdbl	*	8	-150	1.8
10.	NW mdbl	*	-8	150	1.8
11.	SW mdbl	*	-8	-150	1.8
12.	NE mdbl	*	8	150	1.8
13.	ES blk	*	600	-8	1.8
14.	WN blk	*	-600	7	1.8
15.	WS blk	*	-600	-8	1.8
16.	EN blk	*	600	7	1.8
17.	SE blk	*	8	-600	1.8
18.	NW blk	*	-8	600	1.8
19.	SW blk	*	-8	-600	1.8
20.	NE blk	*	8	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: ExistwP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	187.	*	0.4	*	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0
2. NW	*	173.	*	0.5	*	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0.0
3. SW	*	173.	*	0.4	*	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0.0
4. NE	*	186.	*	0.4	*	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0
5. ES mdbl	*	272.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	100.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
7. WS mdbl	*	82.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
8. EN mdbl	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	353.	*	0.4	*	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0
10. NW mdbl	*	174.	*	0.4	*	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.0
11. SW mdbl	*	6.	*	0.4	*	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0.0
12. NE mdbl	*	186.	*	0.4	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
13. ES blk	*	272.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.4	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	6.	*	0.4	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: ExistwP-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
5.	ES	mdblk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN	mdblk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS	mdblk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN	mdblk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE	mdblk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW	mdblk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW	mdblk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE	mdblk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES	blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN	blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
15.	WS	blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
16.	EN	blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE	blk	*	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.0	0.0
18.	NW	blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0
19.	SW	blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.2	0.0	0.0
20.	NE	blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: ExistwP-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. Sunset A NBA	*	2	-150	2	0	* AG	146	3.1	0.0	10.0
B. Sunset A NBD	*	2	0	2	150	* AG	409	2.2	0.0	10.0
C. Sunset A NBL	*	2	-150	0	0	* AG	0	2.1	0.0	10.0
D. Sunset A SBA	*	-5	150	-5	0	* AG	207	3.2	0.0	10.0
E. Sunset A SBD	*	-5	0	-5	-150	* AG	251	2.2	0.0	10.0
F. Sunset A SBL	*	-5	150	0	0	* AG	393	4.2	0.0	10.0
G. Westward EBA	*	-150	0	0	0	* AG	0	2.1	0.0	10.0
H. Westward EBD	*	0	0	150	0	* AG	421	3.7	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	* AG	0	2.1	0.0	10.0
J. Westward WBA	*	150	0	0	0	* AG	291	4.0	0.0	10.0
K. Westward WBD	*	0	0	-150	0	* AG	0	2.1	0.0	10.0
L. Westward WBL	*	150	2	0	0	* AG	44	4.2	0.0	10.0
M. Sunset NBAX	*	2	-750	2	-150	* AG	146	2.1	0.0	10.0
N. Sunset NBDX	*	2	150	2	750	* AG	409	2.1	0.0	10.0
O. Sunset SBAX	*	-5	750	-5	150	* AG	600	2.1	0.0	10.0
P. Sunset SBDX	*	-5	-150	-5	-750	* AG	251	2.1	0.0	10.0
Q. Westwar EBAX	*	-750	0	-150	0	* AG	0	2.1	0.0	10.0
R. Westwar EBDX	*	150	0	750	0	* AG	421	2.1	0.0	10.0
S. Westwar WBAX	*	750	0	150	0	* AG	335	2.1	0.0	10.0
T. Westwar WBDX	*	-150	0	-750	0	* AG	0	2.1	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: ExistwP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-7	1.8
2. NW	*	-12	7	1.8
3. SW	*	-12	-7	1.8
4. NE	*	8	7	1.8
5. ES mdbl k	*	150	-7	1.8
6. WN mdbl k	*	-150	7	1.8
7. WS mdbl k	*	-150	-7	1.8
8. EN mdbl k	*	150	7	1.8
9. SE mdbl k	*	8	-150	1.8
10. NW mdbl k	*	-12	150	1.8
11. SW mdbl k	*	-12	-150	1.8
12. NE mdbl k	*	8	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-12	600	1.8
19. SW blk	*	-12	-600	1.8
20. NE blk	*	8	600	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: ExistwP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	352.	*	0.7	*	0.0	0.1	0.0	0.1	0.0	0.2	0.0	0.1
2. NW	*	96.	*	0.7	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2
3. SW	*	84.	*	0.6	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
4. NE	*	97.	*	0.5	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
5. ES mdbl	*	279.	*	0.5	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
6. WN mdbl	*	91.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	88.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	262.	*	0.5	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
9. SE mdbl	*	357.	*	0.3	*	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0
10. NW mdbl	*	170.	*	0.5	*	0.0	0.1	0.0	0.1	0.0	0.3	0.0	0.0
11. SW mdbl	*	5.	*	0.3	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	*	188.	*	0.4	*	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0
13. ES blk	*	276.	*	0.4	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	89.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	88.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	265.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	357.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	174.	*	0.4	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	6.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: ExistwP-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3. SW	*	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0
14. WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0
17. SE blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0
18. NW blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
20. NE blk	*	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: ExistwP-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*			EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	*	TYPE	VPH	(G/MI)	(M)	(M)
A. 22nd Str NBA	*	5	-150	5	0	*	AG	273	3.6	0.0	10.0
B. 22nd Str NBD	*	5	0	5	150	*	AG	236	2.3	0.0	10.0
C. 22nd Str NBL	*	5	-150	0	0	*	AG	137	4.2	0.0	10.0
D. 22nd Str SBA	*	-5	150	-5	0	*	AG	350	3.6	0.0	10.0
E. 22nd Str SBD	*	-5	0	-5	-150	*	AG	597	2.4	0.0	10.0
F. 22nd Str SBL	*	-5	150	0	0	*	AG	0	2.1	0.0	10.0
G. Westward EBA	*	-150	-2	0	-2	*	AG	260	3.6	0.0	10.0
H. Westward EBD	*	0	-2	150	-2	*	AG	104	2.2	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	*	AG	10	4.2	0.0	10.0
J. Westward WBA	*	150	2	0	2	*	AG	53	3.5	0.0	10.0
K. Westward WBD	*	0	2	-150	2	*	AG	207	2.3	0.0	10.0
L. Westward WBL	*	150	2	0	0	*	AG	61	4.2	0.0	10.0
M. 22nd St NBAX	*	5	-750	5	-150	*	AG	410	2.1	0.0	10.0
N. 22nd St NBDX	*	5	150	5	750	*	AG	236	2.1	0.0	10.0
O. 22nd St SBAX	*	-5	750	-5	150	*	AG	350	2.1	0.0	10.0
P. 22nd St SBDX	*	-5	-150	-5	-750	*	AG	597	2.1	0.0	10.0
Q. Westwar EBAX	*	-750	-2	-150	-2	*	AG	270	2.1	0.0	10.0
R. Westwar EBDX	*	150	-2	750	-2	*	AG	104	2.1	0.0	10.0
S. Westwar WBAX	*	750	2	150	2	*	AG	114	2.1	0.0	10.0
T. Westwar WBDX	*	-150	2	-750	2	*	AG	207	2.1	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: Rancho San Gorgonio Specific Plan
RUN: ExistwP-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

		*	COORDINATES (M)		
RECEPTOR		*	X	Y	Z
		*	-----*		
1.	SE	*	12	-8	1.8
2.	NW	*	-12	8	1.8
3.	SW	*	-12	-8	1.8
4.	NE	*	12	8	1.8
5.	ES mdbl k	*	150	-8	1.8
6.	WN mdbl k	*	-150	8	1.8
7.	WS mdbl k	*	-150	-8	1.8
8.	EN mdbl k	*	150	8	1.8
9.	SE mdbl k	*	12	-150	1.8
10.	NW mdbl k	*	-12	150	1.8
11.	SW mdbl k	*	-12	-150	1.8
12.	NE mdbl k	*	12	150	1.8
13.	ES blk	*	600	-8	1.8
14.	WN blk	*	-600	8	1.8
15.	WS blk	*	-600	-8	1.8
16.	EN blk	*	600	8	1.8
17.	SE blk	*	12	-600	1.8
18.	NW blk	*	-12	600	1.8
19.	SW blk	*	-12	-600	1.8
20.	NE blk	*	12	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: Rancho San Gorgonio Specific Plan
RUN: ExistwP-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	276.	*	0.4	*	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0
2. NW	*	172.	*	0.5	*	0.1	0.0	0.1	0.0	0.2	0.0	0.1	0.0
3. SW	*	172.	*	0.4	*	0.1	0.0	0.1	0.0	0.2	0.0	0.0	0.0
4. NE	*	187.	*	0.4	*	0.2	0.0	0.1	0.0	0.1	0.0	0.0	0.0
5. ES mdbl	*	273.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	98.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
7. WS mdbl	*	83.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
8. EN mdbl	*	265.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	351.	*	0.4	*	0.2	0.0	0.1	0.0	0.1	0.0	0.0	0.0
10. NW mdbl	*	174.	*	0.4	*	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
11. SW mdbl	*	8.	*	0.4	*	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0.0
12. NE mdbl	*	186.	*	0.3	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
13. ES blk	*	273.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	96.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	85.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	6.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: ExistwP-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.1	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.2	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: ExistwP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. 8th Stre NBA	*	5	-150	5	0	* AG	98	3.1	0.0	10.0
B. 8th Stre NBD	*	5	0	5	150	* AG	98	2.2	0.0	10.0
C. 8th Stre NBL	*	5	-150	0	0	* AG	40	4.2	0.0	10.0
D. 8th Stre SBA	*	-2	150	-2	0	* AG	147	3.1	0.0	10.0
E. 8th Stre SBD	*	-2	0	-2	-150	* AG	224	2.2	0.0	10.0
F. 8th Stre SBL	*	-2	150	0	0	* AG	0	2.1	0.0	10.0
G. I-10 WB EBA	*	-150	0	0	0	* AG	0	2.1	0.0	10.0
H. I-10 WB EBD	*	0	0	150	0	* AG	0	2.1	0.0	10.0
I. I-10 WB EBL	*	-150	-2	0	0	* AG	0	2.1	0.0	10.0
J. I-10 WB WBA	*	150	2	0	2	* AG	0	2.1	0.0	10.0
K. I-10 WB WBD	*	0	2	-150	2	* AG	40	2.4	0.0	10.0
L. I-10 WB WBL	*	150	2	0	0	* AG	77	4.2	0.0	10.0
M. 8th Str NBAX	*	5	-750	5	-150	* AG	138	2.1	0.0	10.0
N. 8th Str NBDX	*	5	150	5	750	* AG	98	2.1	0.0	10.0
O. 8th Str SBAX	*	-2	750	-2	150	* AG	147	2.1	0.0	10.0
P. 8th Str SBDX	*	-2	-150	-2	-750	* AG	224	2.1	0.0	10.0
Q. I-10 WB EBAX	*	-750	0	-150	0	* AG	0	2.1	0.0	10.0
R. I-10 WB EBDX	*	150	0	750	0	* AG	0	2.1	0.0	10.0
S. I-10 WB WBAX	*	750	2	150	2	* AG	77	2.1	0.0	10.0
T. I-10 WB WBDX	*	-150	2	-750	2	* AG	40	2.1	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: ExistwP-04 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	12	-7	1.8
2. NW	*	-8	8	1.8
3. SW	*	-8	-7	1.8
4. NE	*	12	8	1.8
5. ES mdbl	*	150	-7	1.8
6. WN mdbl	*	-150	8	1.8
7. WS mdbl	*	-150	-7	1.8
8. EN mdbl	*	150	8	1.8
9. SE mdbl	*	12	-150	1.8
10. NW mdbl	*	-8	150	1.8
11. SW mdbl	*	-8	-150	1.8
12. NE mdbl	*	12	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	8	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	8	1.8
17. SE blk	*	12	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	12	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: ExistwP-04 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	187.	*	0.2	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	173.	*	0.2	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
3. SW	*	173.	*	0.2	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
4. NE	*	186.	*	0.2	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	276.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	94.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	87.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	262.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	353.	*	0.2	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	175.	*	0.2	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
11. SW mdbl	*	7.	*	0.2	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	*	185.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	274.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	94.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	87.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	6.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	185.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 4

JOB: Rancho San Gorgonio Specific Plan

RUN: ExistwP-04 (WORST CASE ANGLE)

POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: ExistwP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. 8th Stre NBA	*	2	-150	2	0	* AG	186	3.1	0.0	10.0
B. 8th Stre NBD	*	2	0	2	150	* AG	138	2.2	0.0	10.0
C. 8th Stre NBL	*	2	-150	0	0	* AG	0	2.1	0.0	10.0
D. 8th Stre SBA	*	-5	150	-5	0	* AG	224	3.2	0.0	10.0
E. 8th Stre SBD	*	-5	0	-5	-150	* AG	292	2.2	0.0	10.0
F. 8th Stre SBL	*	-5	150	0	0	* AG	0	2.1	0.0	10.0
G. I-10 EB EBA	*	-150	-2	0	-2	* AG	68	3.9	0.0	10.0
H. I-10 EB EBD	*	0	-2	150	-2	* AG	48	2.4	0.0	10.0
I. I-10 EB EBL	*	-150	-2	0	0	* AG	0	2.1	0.0	10.0
J. I-10 EB WBA	*	150	0	0	0	* AG	0	2.1	0.0	10.0
K. I-10 EB WBD	*	0	0	-150	0	* AG	0	2.1	0.0	10.0
L. I-10 EB WBL	*	150	2	0	0	* AG	0	2.1	0.0	10.0
M. 8th Str NBAX	*	2	-750	2	-150	* AG	186	2.1	0.0	10.0
N. 8th Str NBDX	*	2	150	2	750	* AG	138	2.1	0.0	10.0
O. 8th Str SBAX	*	-5	750	-5	150	* AG	224	2.1	0.0	10.0
P. 8th Str SBDX	*	-5	-150	-5	-750	* AG	292	2.1	0.0	10.0
Q. I-10 EB EBAX	*	-750	-2	-150	-2	* AG	68	2.1	0.0	10.0
R. I-10 EB EBDX	*	150	-2	750	-2	* AG	48	2.1	0.0	10.0
S. I-10 EB WBAX	*	750	0	150	0	* AG	0	2.1	0.0	10.0
T. I-10 EB WBDX	*	-150	0	-750	0	* AG	0	2.1	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: ExistwP-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-8	1.8
2. NW	*	-12	7	1.8
3. SW	*	-12	-8	1.8
4. NE	*	8	7	1.8
5. ES mdbl	*	150	-8	1.8
6. WN mdbl	*	-150	7	1.8
7. WS mdbl	*	-150	-8	1.8
8. EN mdbl	*	150	7	1.8
9. SE mdbl	*	8	-150	1.8
10. NW mdbl	*	-12	150	1.8
11. SW mdbl	*	-12	-150	1.8
12. NE mdbl	*	8	150	1.8
13. ES blk	*	600	-8	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-8	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-12	600	1.8
19. SW blk	*	-12	-600	1.8
20. NE blk	*	8	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: ExistwP-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	187.	*	0.2	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	174.	*	0.2	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
3. SW	*	6.	*	0.2	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
4. NE	*	186.	*	0.2	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	273.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	97.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
8. EN mdbl	*	266.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	353.	*	0.2	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	174.	*	0.2	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
11. SW mdbl	*	6.	*	0.2	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	*	186.	*	0.2	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
13. ES blk	*	273.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	87.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	266.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	6.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: ExistwP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: ExistwP-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*			EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	*	TYPE	VPH	(G/MI)	(M)	(M)
A. 8th Stre NBA	*	2	-150	2	0	*	AG	194	3.5	0.0	10.0
B. 8th Stre NBD	*	2	0	2	150	*	AG	219	2.3	0.0	10.0
C. 8th Stre NBL	*	2	-150	0	0	*	AG	38	4.2	0.0	10.0
D. 8th Stre SBA	*	-2	150	-2	0	*	AG	340	3.6	0.0	10.0
E. 8th Stre SBD	*	-2	0	-2	-150	*	AG	374	2.3	0.0	10.0
F. 8th Stre SBL	*	-2	150	0	0	*	AG	0	2.1	0.0	10.0
G. Westward EBA	*	-150	-2	0	-2	*	AG	69	3.5	0.0	10.0
H. Westward EBD	*	0	-2	150	-2	*	AG	14	2.2	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	*	AG	31	4.2	0.0	10.0
J. Westward WBA	*	150	2	0	2	*	AG	8	3.5	0.0	10.0
K. Westward WBD	*	0	2	-150	2	*	AG	83	2.2	0.0	10.0
L. Westward WBL	*	150	2	0	0	*	AG	10	4.2	0.0	10.0
M. 8th Str NBAX	*	2	-750	2	-150	*	AG	232	2.1	0.0	10.0
N. 8th Str NBDX	*	2	150	2	750	*	AG	219	2.1	0.0	10.0
O. 8th Str SBAX	*	-2	750	-2	150	*	AG	340	2.1	0.0	10.0
P. 8th Str SBDX	*	-2	-150	-2	-750	*	AG	374	2.1	0.0	10.0
Q. Westwar EBAX	*	-750	-2	-150	-2	*	AG	100	2.1	0.0	10.0
R. Westwar EBDX	*	150	-2	750	-2	*	AG	14	2.1	0.0	10.0
S. Westwar WBAX	*	750	2	150	2	*	AG	18	2.1	0.0	10.0
T. Westwar WBDX	*	-150	2	-750	2	*	AG	83	2.1	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: ExistwP-06 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-8	1.8
2. NW	*	-8	8	1.8
3. SW	*	-8	-8	1.8
4. NE	*	8	8	1.8
5. ES mdbl	*	150	-8	1.8
6. WN mdbl	*	-150	8	1.8
7. WS mdbl	*	-150	-8	1.8
8. EN mdbl	*	150	8	1.8
9. SE mdbl	*	8	-150	1.8
10. NW mdbl	*	-8	150	1.8
11. SW mdbl	*	-8	-150	1.8
12. NE mdbl	*	8	150	1.8
13. ES blk	*	600	-8	1.8
14. WN blk	*	-600	8	1.8
15. WS blk	*	-600	-8	1.8
16. EN blk	*	600	8	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	8	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: ExistwP-06 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* PRED *		CONC/LINK									
	* BRG * (DEG)		* CONC * (PPM)		(PPM)							
	* (DEG) *		* (PPM) *		A	B	C	D	E	F	G	H
1. SE	* 187.	* 0.3	* 0.1	* 0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
2. NW	* 173.	* 0.3	* 0.1	* 0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
3. SW	* 6.	* 0.3	* 0.0	* 0.1	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
4. NE	* 186.	* 0.3	* 0.1	* 0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
5. ES mdbl	* 273.	* 0.1	* 0.0	* 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	* 98.	* 0.1	* 0.0	* 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	* 82.	* 0.1	* 0.0	* 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	* 267.	* 0.1	* 0.0	* 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	* 354.	* 0.3	* 0.1	* 0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
10. NW mdbl	* 174.	* 0.3	* 0.0	* 0.1	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
11. SW mdbl	* 6.	* 0.3	* 0.1	* 0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	* 186.	* 0.3	* 0.0	* 0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
13. ES blk	* 272.	* 0.1	* 0.0	* 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	* 95.	* 0.1	* 0.0	* 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	* 85.	* 0.1	* 0.0	* 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	* 267.	* 0.1	* 0.0	* 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	* 354.	* 0.2	* 0.0	* 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	* 175.	* 0.2	* 0.0	* 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	* 5.	* 0.3	* 0.0	* 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	* 186.	* 0.2	* 0.0	* 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 4

JOB: Rancho San Gorgonio Specific Plan

RUN: ExistwP-06 (WORST CASE ANGLE)

POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK											
	(PPM)											
	I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	* 0.0	* 0.0	* 0.0	* 0.0	* 0.0	* 0.0	* 0.0	* 0.0	* 0.0	* 0.0	* 0.0	* 0.0
2. NW	* 0.0	* 0.0	* 0.0	* 0.0	* 0.0	* 0.0	* 0.0	* 0.0	* 0.0	* 0.0	* 0.0	* 0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: ExistwP-07 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. San Gorg NBA	*	5	-150	5	0	* AG	3	3.1	0.0	10.0
B. San Gorg NBD	*	5	0	5	150	* AG	6	2.2	0.0	10.0
C. San Gorg NBL	*	5	-150	0	0	* AG	13	4.2	0.0	10.0
D. San Gorg SBA	*	-2	150	-2	0	* AG	10	3.1	0.0	10.0
E. San Gorg SBD	*	-2	0	-2	-150	* AG	16	2.2	0.0	10.0
F. San Gorg SBL	*	-2	150	0	0	* AG	0	2.1	0.0	10.0
G. Westward EBA	*	-150	0	0	0	* AG	11	3.9	0.0	10.0
H. Westward EBD	*	0	0	150	0	* AG	0	2.1	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	* AG	3	4.2	0.0	10.0
J. Westward WBA	*	150	0	0	0	* AG	0	2.1	0.0	10.0
K. Westward WBD	*	0	0	-150	0	* AG	18	2.4	0.0	10.0
L. Westward WBL	*	150	2	0	0	* AG	0	2.1	0.0	10.0
M. San Gor NBAX	*	5	-750	5	-150	* AG	16	2.1	0.0	10.0
N. San Gor NBDX	*	5	150	5	750	* AG	6	2.1	0.0	10.0
O. San Gor SBAX	*	-2	750	-2	150	* AG	10	2.1	0.0	10.0
P. San Gor SBDX	*	-2	-150	-2	-750	* AG	16	2.1	0.0	10.0
Q. Westwar EBAX	*	-750	0	-150	0	* AG	14	2.1	0.0	10.0
R. Westwar EBDX	*	150	0	750	0	* AG	0	2.1	0.0	10.0
S. Westwar WBAX	*	750	0	150	0	* AG	0	2.1	0.0	10.0
T. Westwar WBDX	*	-150	0	-750	0	* AG	18	2.1	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: ExistwP-07 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	12	-7	1.8
2. NW	*	-8	7	1.8
3. SW	*	-8	-7	1.8
4. NE	*	12	7	1.8
5. ES mdbl	*	150	-7	1.8
6. WN mdbl	*	-150	7	1.8
7. WS mdbl	*	-150	-7	1.8
8. EN mdbl	*	150	7	1.8
9. SE mdbl	*	12	-150	1.8
10. NW mdbl	*	-8	150	1.8
11. SW mdbl	*	-8	-150	1.8
12. NE mdbl	*	12	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	12	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	12	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: ExistwP-07 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	274.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	174.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SW	*	275.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	266.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	271.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	98.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	83.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	269.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	352.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	177.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. SW mdbl	*	5.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	184.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	270.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	94.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	87.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	269.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	356.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	177.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	4.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	184.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: ExistwP-07 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2017NP-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)	*		EF	H	W
DESCRIPTION	*	X1 Y1 X2 Y2	*	TYPE VPH	(G/MI)	(M)	(M)
A. Sunset A NBA	*	2 -150 2 0	*	AG 191	2.6	0.0	10.0
B. Sunset A NBD	*	2 0 2 150	*	AG 430	1.8	0.0	10.0
C. Sunset A NBL	*	2 -150 0 0	*	AG 0	1.7	0.0	10.0
D. Sunset A SBA	*	-2 150 -2 0	*	AG 155	2.6	0.0	10.0
E. Sunset A SBD	*	-2 0 -2 -150	*	AG 210	1.8	0.0	10.0
F. Sunset A SBL	*	-2 150 0 0	*	AG 123	3.5	0.0	10.0
G. I-10 EB EBA	*	-150 -2 0 -2	*	AG 55	3.3	0.0	10.0
H. I-10 EB EBD	*	0 -2 150 -2	*	AG 136	2.0	0.0	10.0
I. I-10 EB EBL	*	-150 -2 0 0	*	AG 252	3.5	0.0	10.0
J. I-10 EB WBA	*	150 0 0 0	*	AG 0	1.7	0.0	10.0
K. I-10 EB WBD	*	0 0 -150 0	*	AG 0	1.7	0.0	10.0
L. I-10 EB WBL	*	150 2 0 0	*	AG 0	1.7	0.0	10.0
M. Sunset NBAX	*	2 -750 2 -150	*	AG 191	1.7	0.0	10.0
N. Sunset NBDX	*	2 150 2 750	*	AG 430	1.7	0.0	10.0
O. Sunset SBAX	*	-2 750 -2 150	*	AG 278	1.7	0.0	10.0
P. Sunset SBDX	*	-2 -150 -2 -750	*	AG 210	1.7	0.0	10.0
Q. I-10 EB EBAX	*	-750 -2 -150 -2	*	AG 307	1.7	0.0	10.0
R. I-10 EB EBDX	*	150 -2 750 -2	*	AG 136	1.7	0.0	10.0
S. I-10 EB WBAX	*	750 0 150 0	*	AG 0	1.7	0.0	10.0
T. I-10 EB WBDX	*	-150 0 -750 0	*	AG 0	1.7	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2017NP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

		*	COORDINATES (M)		
RECEPTOR		*	X	Y	Z
		*	-----*		
1.	SE	*	8	-8	1.8
2.	NW	*	-8	7	1.8
3.	SW	*	-8	-8	1.8
4.	NE	*	8	7	1.8
5.	ES mdbl	*	150	-8	1.8
6.	WN mdbl	*	-150	7	1.8
7.	WS mdbl	*	-150	-8	1.8
8.	EN mdbl	*	150	7	1.8
9.	SE mdbl	*	8	-150	1.8
10.	NW mdbl	*	-8	150	1.8
11.	SW mdbl	*	-8	-150	1.8
12.	NE mdbl	*	8	150	1.8
13.	ES blk	*	600	-8	1.8
14.	WN blk	*	-600	7	1.8
15.	WS blk	*	-600	-8	1.8
16.	EN blk	*	600	7	1.8
17.	SE blk	*	8	-600	1.8
18.	NW blk	*	-8	600	1.8
19.	SW blk	*	-8	-600	1.8
20.	NE blk	*	8	600	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2017NP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	353.	*	0.3	*	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0
2. NW	*	7.	*	0.3	*	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0
3. SW	*	6.	*	0.3	*	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0
4. NE	*	263.	*	0.3	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	274.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	98.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	81.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	355.	*	0.2	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	173.	*	0.3	*	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0
11. SW mdbl	*	5.	*	0.2	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	*	188.	*	0.3	*	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	355.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	174.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	5.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 4

JOB: Rancho San Gorgonio Specific Plan

RUN: 2017NP-01 (WORST CASE ANGLE)

POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2017NP-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*			EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	*	TYPE	VPH	(G/MI)	(M)	(M)
A. Sunset A NBA	*	2	-150	2	0	*	AG	24	2.6	0.0	10.0
B. Sunset A NBD	*	2	0	2	150	*	AG	60	1.8	0.0	10.0
C. Sunset A NBL	*	2	-150	0	0	*	AG	0	1.7	0.0	10.0
D. Sunset A SBA	*	-2	150	-2	0	*	AG	20	2.6	0.0	10.0
E. Sunset A SBD	*	-2	0	-2	-150	*	AG	20	1.8	0.0	10.0
F. Sunset A SBL	*	-2	150	0	0	*	AG	50	3.5	0.0	10.0
G. Westward EBA	*	-150	0	0	0	*	AG	0	1.7	0.0	10.0
H. Westward EBD	*	0	0	150	0	*	AG	50	2.0	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	*	AG	0	1.7	0.0	10.0
J. Westward WBA	*	150	0	0	0	*	AG	36	3.3	0.0	10.0
K. Westward WBD	*	0	0	-150	0	*	AG	0	1.7	0.0	10.0
L. Westward WBL	*	150	2	0	0	*	AG	0	1.7	0.0	10.0
M. Sunset NBAX	*	2	-750	2	-150	*	AG	24	1.7	0.0	10.0
N. Sunset NBDX	*	2	150	2	750	*	AG	60	1.7	0.0	10.0
O. Sunset SBAX	*	-2	750	-2	150	*	AG	70	1.7	0.0	10.0
P. Sunset SBDX	*	-2	-150	-2	-750	*	AG	20	1.7	0.0	10.0
Q. Westwar EBAX	*	-750	0	-150	0	*	AG	0	1.7	0.0	10.0
R. Westwar EBDX	*	150	0	750	0	*	AG	50	1.7	0.0	10.0
S. Westwar WBAX	*	750	0	150	0	*	AG	36	1.7	0.0	10.0
T. Westwar WBDX	*	-150	0	-750	0	*	AG	0	1.7	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2017NP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

		*	COORDINATES (M)		
RECEPTOR		*	X	Y	Z
		*	-----*		
1.	SE	*	8	-7	1.8
2.	NW	*	-8	7	1.8
3.	SW	*	-8	-7	1.8
4.	NE	*	8	7	1.8
5.	ES mdbl	*	150	-7	1.8
6.	WN mdbl	*	-150	7	1.8
7.	WS mdbl	*	-150	-7	1.8
8.	EN mdbl	*	150	7	1.8
9.	SE mdbl	*	8	-150	1.8
10.	NW mdbl	*	-8	150	1.8
11.	SW mdbl	*	-8	-150	1.8
12.	NE mdbl	*	8	150	1.8
13.	ES blk	*	600	-7	1.8
14.	WN blk	*	-600	7	1.8
15.	WS blk	*	-600	-7	1.8
16.	EN blk	*	600	7	1.8
17.	SE blk	*	8	-600	1.8
18.	NW blk	*	-8	600	1.8
19.	SW blk	*	-8	-600	1.8
20.	NE blk	*	8	600	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2017NP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SW	*	6.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	278.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	91.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	88.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	262.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	357.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	172.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. SW mdbl	*	3.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	89.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	88.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	266.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	357.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	3.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	185.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 4

JOB: Rancho San Gorgonio Specific Plan

RUN: 2017NP-02 (WORST CASE ANGLE)

POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2017NP-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. 22nd Str NBA	*	2	-150	2	0	* AG	2	2.9	0.0	10.0
B. 22nd Str NBD	*	2	0	2	150	* AG	51	1.9	0.0	10.0
C. 22nd Str NBL	*	2	-150	0	0	* AG	1	3.5	0.0	10.0
D. 22nd Str SBA	*	-4	150	-4	0	* AG	15	2.9	0.0	10.0
E. 22nd Str SBD	*	-4	0	-4	-150	* AG	11	1.9	0.0	10.0
F. 22nd Str SBL	*	-2	150	0	0	* AG	28	3.5	0.0	10.0
G. Westward EBA	*	-150	-2	0	-2	* AG	48	2.9	0.0	10.0
H. Westward EBD	*	0	-2	150	-2	* AG	71	1.9	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	* AG	26	3.5	0.0	10.0
J. Westward WBA	*	150	2	0	2	* AG	53	2.9	0.0	10.0
K. Westward WBD	*	0	2	-150	2	* AG	41	1.9	0.0	10.0
L. Westward WBL	*	150	2	0	0	* AG	1	3.5	0.0	10.0
M. 22nd St NBAX	*	2	-750	2	-150	* AG	3	1.7	0.0	10.0
N. 22nd St NBDX	*	2	150	2	750	* AG	51	1.7	0.0	10.0
O. 22nd St SBAX	*	-4	750	-4	150	* AG	43	1.7	0.0	10.0
P. 22nd St SBDX	*	-4	-150	-4	-750	* AG	11	1.7	0.0	10.0
Q. Westwar EBAX	*	-750	-2	-150	-2	* AG	74	1.7	0.0	10.0
R. Westwar EBDX	*	150	-2	750	-2	* AG	71	1.7	0.0	10.0
S. Westwar WBAX	*	750	2	150	2	* AG	54	1.7	0.0	10.0
T. Westwar WBDX	*	-150	2	-750	2	* AG	41	1.7	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2017NP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-8	1.8
2. NW	*	-10	8	1.8
3. SW	*	-10	-8	1.8
4. NE	*	8	8	1.8
5. ES mdbl	*	150	-8	1.8
6. WN mdbl	*	-150	8	1.8
7. WS mdbl	*	-150	-8	1.8
8. EN mdbl	*	150	8	1.8
9. SE mdbl	*	8	-150	1.8
10. NW mdbl	*	-10	150	1.8
11. SW mdbl	*	-10	-150	1.8
12. NE mdbl	*	8	150	1.8
13. ES blk	*	600	-8	1.8
14. WN blk	*	-600	8	1.8
15. WS blk	*	-600	-8	1.8
16. EN blk	*	600	8	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-10	600	1.8
19. SW blk	*	-10	-600	1.8
20. NE blk	*	8	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2017NP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SW	*	6.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	264.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	358.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	171.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. SW mdbl	*	2.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	188.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	94.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	266.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	358.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	2.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	185.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2017NP-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES	mdblk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN	mdblk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS	mdblk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN	mdblk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE	mdblk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW	mdblk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW	mdblk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE	mdblk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES	blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN	blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS	blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN	blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE	blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW	blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.	SW	blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.	NE	blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2017NP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. 8th Stre NBA	*	2	-150	2	0	* AG	384	2.7	0.0	10.0
B. 8th Stre NBD	*	2	0	2	150	* AG	540	1.9	0.0	10.0
C. 8th Stre NBL	*	2	-150	0	0	* AG	136	3.5	0.0	10.0
D. 8th Stre SBA	*	-2	150	-2	0	* AG	580	2.9	0.0	10.0
E. 8th Stre SBD	*	-2	0	-2	-150	* AG	260	1.8	0.0	10.0
F. 8th Stre SBL	*	-2	150	0	0	* AG	0	1.7	0.0	10.0
G. I-10 WB EBA	*	-150	0	0	0	* AG	0	1.7	0.0	10.0
H. I-10 WB EBD	*	0	0	150	0	* AG	0	1.7	0.0	10.0
I. I-10 WB EBL	*	-150	-2	0	0	* AG	0	1.7	0.0	10.0
J. I-10 WB WBA	*	150	2	0	2	* AG	156	3.3	0.0	10.0
K. I-10 WB WBD	*	0	2	-150	2	* AG	486	3.1	0.0	10.0
L. I-10 WB WBL	*	150	2	0	0	* AG	30	3.5	0.0	10.0
M. 8th Str NBAX	*	2	-750	2	-150	* AG	520	1.7	0.0	10.0
N. 8th Str NBDX	*	2	150	2	750	* AG	540	1.7	0.0	10.0
O. 8th Str SBAX	*	-2	750	-2	150	* AG	580	1.7	0.0	10.0
P. 8th Str SBDX	*	-2	-150	-2	-750	* AG	260	1.7	0.0	10.0
Q. I-10 WB EBAX	*	-750	0	-150	0	* AG	0	1.7	0.0	10.0
R. I-10 WB EBDX	*	150	0	750	0	* AG	0	1.7	0.0	10.0
S. I-10 WB WBAX	*	750	2	150	2	* AG	186	1.7	0.0	10.0
T. I-10 WB WBDX	*	-150	2	-750	2	* AG	486	1.7	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2017NP-04 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-7	1.8
2. NW	*	-8	8	1.8
3. SW	*	-8	-7	1.8
4. NE	*	8	8	1.8
5. ES mdbl	*	150	-7	1.8
6. WN mdbl	*	-150	8	1.8
7. WS mdbl	*	-150	-7	1.8
8. EN mdbl	*	150	8	1.8
9. SE mdbl	*	8	-150	1.8
10. NW mdbl	*	-8	150	1.8
11. SW mdbl	*	-8	-150	1.8
12. NE mdbl	*	8	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	8	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	8	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	8	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2017NP-04 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	353.	*	0.4	*	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0
2. NW	*	172.	*	0.4	*	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0
3. SW	*	7.	*	0.5	*	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.0
4. NE	*	263.	*	0.4	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
5. ES mdbl	*	275.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	98.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	81.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	265.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	354.	*	0.4	*	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	173.	*	0.4	*	0.0	0.1	0.0	0.3	0.0	0.0	0.0	0.0
11. SW mdbl	*	6.	*	0.3	*	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.4	*	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	84.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	355.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	174.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	5.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2017NP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.1	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2017NP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. 8th Stre NBA	*	2	-150	2	0	* AG	303	2.7	0.0	10.0
B. 8th Stre NBD	*	2	0	2	150	* AG	540	1.9	0.0	10.0
C. 8th Stre NBL	*	2	-150	0	0	* AG	0	1.7	0.0	10.0
D. 8th Stre SBA	*	-2	150	-2	0	* AG	153	2.6	0.0	10.0
E. 8th Stre SBD	*	-2	0	-2	-150	* AG	290	1.8	0.0	10.0
F. 8th Stre SBL	*	-2	150	0	0	* AG	110	3.5	0.0	10.0
G. I-10 EB EBA	*	-150	-2	0	-2	* AG	137	3.3	0.0	10.0
H. I-10 EB EBD	*	0	-2	150	-2	* AG	137	2.0	0.0	10.0
I. I-10 EB EBL	*	-150	-2	0	0	* AG	264	3.5	0.0	10.0
J. I-10 EB WBA	*	150	0	0	0	* AG	0	1.7	0.0	10.0
K. I-10 EB WBD	*	0	0	-150	0	* AG	0	1.7	0.0	10.0
L. I-10 EB WBL	*	150	2	0	0	* AG	0	1.7	0.0	10.0
M. 8th Str NBAX	*	2	-750	2	-150	* AG	303	1.7	0.0	10.0
N. 8th Str NBDX	*	2	150	2	750	* AG	540	1.7	0.0	10.0
O. 8th Str SBAX	*	-2	750	-2	150	* AG	263	1.7	0.0	10.0
P. 8th Str SBDX	*	-2	-150	-2	-750	* AG	290	1.7	0.0	10.0
Q. I-10 EB EBAX	*	-750	-2	-150	-2	* AG	401	1.7	0.0	10.0
R. I-10 EB EBDX	*	150	-2	750	-2	* AG	137	1.7	0.0	10.0
S. I-10 EB WBAX	*	750	0	150	0	* AG	0	1.7	0.0	10.0
T. I-10 EB WBDX	*	-150	0	-750	0	* AG	0	1.7	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: Rancho San Gorgonio Specific Plan
RUN: 2017NP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

		*	COORDINATES (M)		
RECEPTOR		*	X	Y	Z
		*	-----*		
1.	SE	*	8	-8	1.8
2.	NW	*	-8	7	1.8
3.	SW	*	-8	-8	1.8
4.	NE	*	8	7	1.8
5.	ES mdbl	*	150	-8	1.8
6.	WN mdbl	*	-150	7	1.8
7.	WS mdbl	*	-150	-8	1.8
8.	EN mdbl	*	150	7	1.8
9.	SE mdbl	*	8	-150	1.8
10.	NW mdbl	*	-8	150	1.8
11.	SW mdbl	*	-8	-150	1.8
12.	NE mdbl	*	8	150	1.8
13.	ES blk	*	600	-8	1.8
14.	WN blk	*	-600	7	1.8
15.	WS blk	*	-600	-8	1.8
16.	EN blk	*	600	7	1.8
17.	SE blk	*	8	-600	1.8
18.	NW blk	*	-8	600	1.8
19.	SW blk	*	-8	-600	1.8
20.	NE blk	*	8	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: Rancho San Gorgonio Specific Plan
RUN: 2017NP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	353.	*	0.3	*	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0
2. NW	*	174.	*	0.3	*	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
3. SW	*	7.	*	0.4	*	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0
4. NE	*	263.	*	0.4	*	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0
5. ES mdbl	*	273.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	98.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
7. WS mdbl	*	81.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
8. EN mdbl	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	354.	*	0.3	*	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
10. NW mdbl	*	174.	*	0.3	*	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0
11. SW mdbl	*	5.	*	0.3	*	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.3	*	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	274.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	84.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	174.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	5.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2017NP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2017NP-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*			EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	*	TYPE	VPH	(G/MI)	(M)	(M)
A. 8th Stre NBA	*	0	-150	0	0	*	AG	0	1.7	0.0	10.0
B. 8th Stre NBD	*	0	0	0	150	*	AG	70	2.0	0.0	10.0
C. 8th Stre NBL	*	2	-150	0	0	*	AG	0	1.7	0.0	10.0
D. 8th Stre SBA	*	0	150	0	0	*	AG	24	3.3	0.0	10.0
E. 8th Stre SBD	*	0	0	0	-150	*	AG	0	1.7	0.0	10.0
F. 8th Stre SBL	*	-2	150	0	0	*	AG	56	3.5	0.0	10.0
G. Westward EBA	*	-150	-2	0	-2	*	AG	34	2.6	0.0	10.0
H. Westward EBD	*	0	-2	150	-2	*	AG	90	1.8	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	*	AG	16	3.5	0.0	10.0
J. Westward WBA	*	150	2	0	2	*	AG	100	2.6	0.0	10.0
K. Westward WBD	*	0	2	-150	2	*	AG	70	1.8	0.0	10.0
L. Westward WBL	*	150	2	0	0	*	AG	0	1.7	0.0	10.0
M. 8th Str NBAX	*	0	-750	0	-150	*	AG	0	1.7	0.0	10.0
N. 8th Str NBDX	*	0	150	0	750	*	AG	70	1.7	0.0	10.0
O. 8th Str SBAX	*	0	750	0	150	*	AG	80	1.7	0.0	10.0
P. 8th Str SBDX	*	0	-150	0	-750	*	AG	0	1.7	0.0	10.0
Q. Westwar EBAX	*	-750	-2	-150	-2	*	AG	50	1.7	0.0	10.0
R. Westwar EBDX	*	150	-2	750	-2	*	AG	90	1.7	0.0	10.0
S. Westwar WBAX	*	750	2	150	2	*	AG	100	1.7	0.0	10.0
T. Westwar WBDX	*	-150	2	-750	2	*	AG	70	1.7	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2017NP-06 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	7	-8	1.8
2. NW	*	-7	8	1.8
3. SW	*	-7	-8	1.8
4. NE	*	7	8	1.8
5. ES mdbl	*	150	-8	1.8
6. WN mdbl	*	-150	8	1.8
7. WS mdbl	*	-150	-8	1.8
8. EN mdbl	*	150	8	1.8
9. SE mdbl	*	7	-150	1.8
10. NW mdbl	*	-7	150	1.8
11. SW mdbl	*	-7	-150	1.8
12. NE mdbl	*	7	150	1.8
13. ES blk	*	600	-8	1.8
14. WN blk	*	-600	8	1.8
15. WS blk	*	-600	-8	1.8
16. EN blk	*	600	8	1.8
17. SE blk	*	7	-600	1.8
18. NW blk	*	-7	600	1.8
19. SW blk	*	-7	-600	1.8
20. NE blk	*	7	600	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2017NP-06 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	355.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SW	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	276.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	94.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	359.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	173.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
11. SW mdbl	*	1.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	188.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	93.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	360.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	1.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	185.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2017NP-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2017NP-07 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*			EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	*	TYPE	VPH	(G/MI)	(M)	(M)
A. San Gorg NBA	*	5	-150	5	0	*	AG	92	2.6	0.0	10.0
B. San Gorg NBD	*	5	0	5	150	*	AG	130	1.8	0.0	10.0
C. San Gorg NBL	*	5	-150	0	0	*	AG	7	3.5	0.0	10.0
D. San Gorg SBA	*	-2	150	-2	0	*	AG	171	2.6	0.0	10.0
E. San Gorg SBD	*	-2	0	-2	-150	*	AG	140	1.8	0.0	10.0
F. San Gorg SBL	*	-2	150	0	0	*	AG	0	1.7	0.0	10.0
G. Westward EBA	*	-150	0	0	0	*	AG	22	3.3	0.0	10.0
H. Westward EBD	*	0	0	150	0	*	AG	0	1.7	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	*	AG	38	3.5	0.0	10.0
J. Westward WBA	*	150	0	0	0	*	AG	0	1.7	0.0	10.0
K. Westward WBD	*	0	0	-150	0	*	AG	60	2.0	0.0	10.0
L. Westward WBL	*	150	2	0	0	*	AG	0	1.7	0.0	10.0
M. San Gor NBAX	*	5	-750	5	-150	*	AG	99	1.7	0.0	10.0
N. San Gor NBDX	*	5	150	5	750	*	AG	130	1.7	0.0	10.0
O. San Gor SBAX	*	-2	750	-2	150	*	AG	171	1.7	0.0	10.0
P. San Gor SBDX	*	-2	-150	-2	-750	*	AG	140	1.7	0.0	10.0
Q. Westwar EBAX	*	-750	0	-150	0	*	AG	60	1.7	0.0	10.0
R. Westwar EBDX	*	150	0	750	0	*	AG	0	1.7	0.0	10.0
S. Westwar WBAX	*	750	0	150	0	*	AG	0	1.7	0.0	10.0
T. Westwar WBDX	*	-150	0	-750	0	*	AG	60	1.7	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2017NP-07 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	12	-7	1.8
2. NW	*	-8	7	1.8
3. SW	*	-8	-7	1.8
4. NE	*	12	7	1.8
5. ES mdbl	*	150	-7	1.8
6. WN mdbl	*	-150	7	1.8
7. WS mdbl	*	-150	-7	1.8
8. EN mdbl	*	150	7	1.8
9. SE mdbl	*	12	-150	1.8
10. NW mdbl	*	-8	150	1.8
11. SW mdbl	*	-8	-150	1.8
12. NE mdbl	*	12	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	12	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	12	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2017NP-07 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	7.	*	0.1	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
3. SW	*	6.	*	0.1	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
4. NE	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	272.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	98.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	82.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	269.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	174.	*	0.1	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
11. SW mdbl	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	271.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	94.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	270.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	355.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 4

JOB: Rancho San Gorgonio Specific Plan

RUN: 2017NP-07 (WORST CASE ANGLE)

POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2017wP-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. Sunset A NBA	*	2	-150	2	0	* AG	202	2.7	0.0	10.0
B. Sunset A NBD	*	2	0	2	150	* AG	441	1.8	0.0	10.0
C. Sunset A NBL	*	2	-150	0	0	* AG	0	1.7	0.0	10.0
D. Sunset A SBA	*	-2	150	-2	0	* AG	173	2.6	0.0	10.0
E. Sunset A SBD	*	-2	0	-2	-150	* AG	228	1.8	0.0	10.0
F. Sunset A SBL	*	-2	150	0	0	* AG	123	3.5	0.0	10.0
G. I-10 EB EBA	*	-150	-2	0	-2	* AG	55	3.3	0.0	10.0
H. I-10 EB EBD	*	0	-2	150	-2	* AG	136	2.0	0.0	10.0
I. I-10 EB EBL	*	-150	-2	0	0	* AG	252	3.5	0.0	10.0
J. I-10 EB WBA	*	150	0	0	0	* AG	0	1.7	0.0	10.0
K. I-10 EB WBD	*	0	0	-150	0	* AG	0	1.7	0.0	10.0
L. I-10 EB WBL	*	150	2	0	0	* AG	0	1.7	0.0	10.0
M. Sunset NBAX	*	2	-750	2	-150	* AG	202	1.7	0.0	10.0
N. Sunset NBDX	*	2	150	2	750	* AG	441	1.7	0.0	10.0
O. Sunset SBAX	*	-2	750	-2	150	* AG	296	1.7	0.0	10.0
P. Sunset SBDX	*	-2	-150	-2	-750	* AG	228	1.7	0.0	10.0
Q. I-10 EB EBAX	*	-750	-2	-150	-2	* AG	307	1.7	0.0	10.0
R. I-10 EB EBDX	*	150	-2	750	-2	* AG	136	1.7	0.0	10.0
S. I-10 EB WBAX	*	750	0	150	0	* AG	0	1.7	0.0	10.0
T. I-10 EB WBDX	*	-150	0	-750	0	* AG	0	1.7	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: Rancho San Gorgonio Specific Plan
RUN: 2017wP-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-8	1.8
2. NW	*	-8	7	1.8
3. SW	*	-8	-8	1.8
4. NE	*	8	7	1.8
5. ES mdbl	*	150	-8	1.8
6. WN mdbl	*	-150	7	1.8
7. WS mdbl	*	-150	-8	1.8
8. EN mdbl	*	150	7	1.8
9. SE mdbl	*	8	-150	1.8
10. NW mdbl	*	-8	150	1.8
11. SW mdbl	*	-8	-150	1.8
12. NE mdbl	*	8	150	1.8
13. ES blk	*	600	-8	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-8	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	8	600	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: Rancho San Gorgonio Specific Plan
RUN: 2017wP-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	353.	*	0.3	*	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0
2. NW	*	7.	*	0.3	*	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0
3. SW	*	6.	*	0.3	*	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0
4. NE	*	263.	*	0.3	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	274.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	98.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	81.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	355.	*	0.2	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	173.	*	0.3	*	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0
11. SW mdbl	*	5.	*	0.2	*	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	*	188.	*	0.3	*	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	355.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	174.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	5.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2017wP-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2017wP-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. Sunset A NBA	*	2	-150	2	0	* AG	24	2.6	0.0	10.0
B. Sunset A NBD	*	2	0	2	150	* AG	74	1.8	0.0	10.0
C. Sunset A NBL	*	2	-150	0	0	* AG	0	1.7	0.0	10.0
D. Sunset A SBA	*	-2	150	-2	0	* AG	20	2.6	0.0	10.0
E. Sunset A SBD	*	-2	0	-2	-150	* AG	20	1.8	0.0	10.0
F. Sunset A SBL	*	-2	150	0	0	* AG	72	3.5	0.0	10.0
G. Westward EBA	*	-150	0	0	0	* AG	0	1.7	0.0	10.0
H. Westward EBD	*	0	0	150	0	* AG	72	2.0	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	* AG	0	1.7	0.0	10.0
J. Westward WBA	*	150	0	0	0	* AG	50	3.3	0.0	10.0
K. Westward WBD	*	0	0	-150	0	* AG	0	1.7	0.0	10.0
L. Westward WBL	*	150	2	0	0	* AG	0	1.7	0.0	10.0
M. Sunset NBAX	*	2	-750	2	-150	* AG	24	1.7	0.0	10.0
N. Sunset NBDX	*	2	150	2	750	* AG	74	1.7	0.0	10.0
O. Sunset SBAX	*	-2	750	-2	150	* AG	92	1.7	0.0	10.0
P. Sunset SBDX	*	-2	-150	-2	-750	* AG	20	1.7	0.0	10.0
Q. Westwar EBAX	*	-750	0	-150	0	* AG	0	1.7	0.0	10.0
R. Westwar EBDX	*	150	0	750	0	* AG	72	1.7	0.0	10.0
S. Westwar WBAX	*	750	0	150	0	* AG	50	1.7	0.0	10.0
T. Westwar WBDX	*	-150	0	-750	0	* AG	0	1.7	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2017wP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

		*	COORDINATES (M)		
RECEPTOR		*	X	Y	Z
		*	-----*		
1.	SE	*	8	-7	1.8
2.	NW	*	-8	7	1.8
3.	SW	*	-8	-7	1.8
4.	NE	*	8	7	1.8
5.	ES mdbl	*	150	-7	1.8
6.	WN mdbl	*	-150	7	1.8
7.	WS mdbl	*	-150	-7	1.8
8.	EN mdbl	*	150	7	1.8
9.	SE mdbl	*	8	-150	1.8
10.	NW mdbl	*	-8	150	1.8
11.	SW mdbl	*	-8	-150	1.8
12.	NE mdbl	*	8	150	1.8
13.	ES blk	*	600	-7	1.8
14.	WN blk	*	-600	7	1.8
15.	WS blk	*	-600	-7	1.8
16.	EN blk	*	600	7	1.8
17.	SE blk	*	8	-600	1.8
18.	NW blk	*	-8	600	1.8
19.	SW blk	*	-8	-600	1.8
20.	NE blk	*	8	600	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2017wP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SW	*	6.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	279.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	91.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	88.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	262.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	358.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	172.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
11. SW mdbl	*	3.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	89.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	88.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	266.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	358.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	3.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	185.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 4

JOB: Rancho San Gorgonio Specific Plan

RUN: 2017wP-02 (WORST CASE ANGLE)

POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2017wP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. 22nd Str NBA	*	2	-150	2	0	* AG	2	2.9	0.0	10.0
B. 22nd Str NBD	*	2	0	2	150	* AG	51	1.9	0.0	10.0
C. 22nd Str NBL	*	2	-150	0	0	* AG	1	3.5	0.0	10.0
D. 22nd Str SBA	*	-4	150	-4	0	* AG	15	2.9	0.0	10.0
E. 22nd Str SBD	*	-4	0	-4	-150	* AG	11	1.9	0.0	10.0
F. 22nd Str SBL	*	-2	150	0	0	* AG	28	3.5	0.0	10.0
G. Westward EBA	*	-150	-2	0	-2	* AG	70	2.9	0.0	10.0
H. Westward EBD	*	0	-2	150	-2	* AG	93	1.9	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	* AG	26	3.5	0.0	10.0
J. Westward WBA	*	150	2	0	2	* AG	67	2.9	0.0	10.0
K. Westward WBD	*	0	2	-150	2	* AG	55	1.9	0.0	10.0
L. Westward WBL	*	150	2	0	0	* AG	1	3.5	0.0	10.0
M. 22nd St NBAX	*	2	-750	2	-150	* AG	3	1.7	0.0	10.0
N. 22nd St NBDX	*	2	150	2	750	* AG	51	1.7	0.0	10.0
O. 22nd St SBAX	*	-4	750	-4	150	* AG	43	1.7	0.0	10.0
P. 22nd St SBDX	*	-4	-150	-4	-750	* AG	11	1.7	0.0	10.0
Q. Westwar EBAX	*	-750	-2	-150	-2	* AG	96	1.7	0.0	10.0
R. Westwar EBDX	*	150	-2	750	-2	* AG	93	1.7	0.0	10.0
S. Westwar WBAX	*	750	2	150	2	* AG	68	1.7	0.0	10.0
T. Westwar WBDX	*	-150	2	-750	2	* AG	55	1.7	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2017wP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-8	1.8
2. NW	*	-10	8	1.8
3. SW	*	-10	-8	1.8
4. NE	*	8	8	1.8
5. ES mdbl	*	150	-8	1.8
6. WN mdbl	*	-150	8	1.8
7. WS mdbl	*	-150	-8	1.8
8. EN mdbl	*	150	8	1.8
9. SE mdbl	*	8	-150	1.8
10. NW mdbl	*	-10	150	1.8
11. SW mdbl	*	-10	-150	1.8
12. NE mdbl	*	8	150	1.8
13. ES blk	*	600	-8	1.8
14. WN blk	*	-600	8	1.8
15. WS blk	*	-600	-8	1.8
16. EN blk	*	600	8	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-10	600	1.8
19. SW blk	*	-10	-600	1.8
20. NE blk	*	8	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2017wP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	276.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SW	*	276.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	264.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	358.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	171.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. SW mdbl	*	2.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	188.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	94.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	357.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	2.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	185.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2017wP-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2017wP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. 8th Stre NBA	*	5	-150	5	0	* AG	436	2.8	0.0	10.0
B. 8th Stre NBD	*	5	0	5	150	* AG	592	1.9	0.0	10.0
C. 8th Stre NBL	*	5	-150	0	0	* AG	161	3.5	0.0	10.0
D. 8th Stre SBA	*	-2	150	-2	0	* AG	350	2.7	0.0	10.0
E. 8th Stre SBD	*	-2	0	-2	-150	* AG	404	1.8	0.0	10.0
F. 8th Stre SBL	*	-2	150	0	0	* AG	0	1.7	0.0	10.0
G. I-10 WB EBA	*	-150	0	0	0	* AG	0	1.7	0.0	10.0
H. I-10 WB EBD	*	0	0	150	0	* AG	0	1.7	0.0	10.0
I. I-10 WB EBL	*	-150	-2	0	0	* AG	0	1.7	0.0	10.0
J. I-10 WB WBA	*	150	2	0	2	* AG	156	3.3	0.0	10.0
K. I-10 WB WBD	*	0	2	-150	2	* AG	161	2.0	0.0	10.0
L. I-10 WB WBL	*	150	2	0	0	* AG	54	3.5	0.0	10.0
M. 8th Str NBAX	*	5	-750	5	-150	* AG	597	1.7	0.0	10.0
N. 8th Str NBDX	*	5	150	5	750	* AG	592	1.7	0.0	10.0
O. 8th Str SBAX	*	-2	750	-2	150	* AG	350	1.7	0.0	10.0
P. 8th Str SBDX	*	-2	-150	-2	-750	* AG	404	1.7	0.0	10.0
Q. I-10 WB EBAX	*	-750	0	-150	0	* AG	0	1.7	0.0	10.0
R. I-10 WB EBDX	*	150	0	750	0	* AG	0	1.7	0.0	10.0
S. I-10 WB WBAX	*	750	2	150	2	* AG	210	1.7	0.0	10.0
T. I-10 WB WBDX	*	-150	2	-750	2	* AG	161	1.7	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2017wP-04 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	12	-7	1.8
2. NW	*	-8	8	1.8
3. SW	*	-8	-7	1.8
4. NE	*	12	8	1.8
5. ES mdbl k	*	150	-7	1.8
6. WN mdbl k	*	-150	8	1.8
7. WS mdbl k	*	-150	-7	1.8
8. EN mdbl k	*	150	8	1.8
9. SE mdbl k	*	12	-150	1.8
10. NW mdbl k	*	-8	150	1.8
11. SW mdbl k	*	-8	-150	1.8
12. NE mdbl k	*	12	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	8	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	8	1.8
17. SE blk	*	12	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	12	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2017wP-04 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	187.	*	0.4	*	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0
2. NW	*	172.	*	0.4	*	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0
3. SW	*	172.	*	0.3	*	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0
4. NE	*	187.	*	0.4	*	0.2	0.0	0.1	0.0	0.1	0.0	0.0	0.0
5. ES mdbl	*	277.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	87.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	262.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	353.	*	0.4	*	0.2	0.0	0.1	0.0	0.1	0.0	0.0	0.0
10. NW mdbl	*	174.	*	0.3	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
11. SW mdbl	*	7.	*	0.3	*	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	*	186.	*	0.3	*	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	86.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	174.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	6.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2017wP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.1	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2017wP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. 8th Stre NBA	*	2	-150	2	0	* AG	377	2.7	0.0	10.0
B. 8th Stre NBD	*	2	0	2	150	* AG	597	1.9	0.0	10.0
C. 8th Stre NBL	*	2	-150	0	0	* AG	0	1.7	0.0	10.0
D. 8th Stre SBA	*	-5	150	-5	0	* AG	247	2.7	0.0	10.0
E. 8th Stre SBD	*	-5	0	-5	-150	* AG	424	1.8	0.0	10.0
F. 8th Stre SBL	*	-5	150	0	0	* AG	110	3.5	0.0	10.0
G. I-10 EB EBA	*	-150	-2	0	-2	* AG	177	3.3	0.0	10.0
H. I-10 EB EBD	*	0	-2	150	-2	* AG	154	2.0	0.0	10.0
I. I-10 EB EBL	*	-150	-2	0	0	* AG	264	3.5	0.0	10.0
J. I-10 EB WBA	*	150	0	0	0	* AG	0	1.7	0.0	10.0
K. I-10 EB WBD	*	0	0	-150	0	* AG	0	1.7	0.0	10.0
L. I-10 EB WBL	*	150	2	0	0	* AG	0	1.7	0.0	10.0
M. 8th Str NBAX	*	2	-750	2	-150	* AG	377	1.7	0.0	10.0
N. 8th Str NBDX	*	2	150	2	750	* AG	597	1.7	0.0	10.0
O. 8th Str SBAX	*	-5	750	-5	150	* AG	357	1.7	0.0	10.0
P. 8th Str SBDX	*	-5	-150	-5	-750	* AG	424	1.7	0.0	10.0
Q. I-10 EB EBAX	*	-750	-2	-150	-2	* AG	441	1.7	0.0	10.0
R. I-10 EB EBDX	*	150	-2	750	-2	* AG	154	1.7	0.0	10.0
S. I-10 EB WBAX	*	750	0	150	0	* AG	0	1.7	0.0	10.0
T. I-10 EB WBDX	*	-150	0	-750	0	* AG	0	1.7	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2017wP-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-8	1.8
2. NW	*	-12	7	1.8
3. SW	*	-12	-8	1.8
4. NE	*	8	7	1.8
5. ES mdbl k	*	150	-8	1.8
6. WN mdbl k	*	-150	7	1.8
7. WS mdbl k	*	-150	-8	1.8
8. EN mdbl k	*	150	7	1.8
9. SE mdbl k	*	8	-150	1.8
10. NW mdbl k	*	-12	150	1.8
11. SW mdbl k	*	-12	-150	1.8
12. NE mdbl k	*	8	150	1.8
13. ES blk	*	600	-8	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-8	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-12	600	1.8
19. SW blk	*	-12	-600	1.8
20. NE blk	*	8	600	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2017wP-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	353.	*	0.4	*	0.0	0.2	0.0	0.1	0.0	0.1	0.0	0.0
2. NW	*	173.	*	0.3	*	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
3. SW	*	7.	*	0.4	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
4. NE	*	263.	*	0.4	*	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0
5. ES mdbl	*	273.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	99.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
7. WS mdbl	*	81.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
8. EN mdbl	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	354.	*	0.3	*	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	173.	*	0.3	*	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0
11. SW mdbl	*	6.	*	0.3	*	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.4	*	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	84.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	174.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	6.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 4

JOB: Rancho San Gorgonio Specific Plan

RUN: 2017wP-05 (WORST CASE ANGLE)

POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2017wP-06 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*			EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)	
A. 8th Stre NBA	*	2	-150	2	0	* AG	100	2.9	0.0	10.0	
B. 8th Stre NBD	*	2	0	2	150	* AG	169	1.9	0.0	10.0	
C. 8th Stre NBL	*	2	-150	0	0	* AG	25	3.5	0.0	10.0	
D. 8th Stre SBA	*	-2	150	-2	0	* AG	164	2.9	0.0	10.0	
E. 8th Stre SBD	*	-2	0	-2	-150	* AG	177	1.9	0.0	10.0	
F. 8th Stre SBL	*	-2	150	0	0	* AG	56	3.5	0.0	10.0	
G. Westward EBA	*	-150	-2	0	-2	* AG	69	2.9	0.0	10.0	
H. Westward EBD	*	0	-2	150	-2	* AG	91	1.9	0.0	10.0	
I. Westward EBL	*	-150	-2	0	0	* AG	16	3.5	0.0	10.0	
J. Westward WBA	*	150	2	0	2	* AG	100	2.9	0.0	10.0	
K. Westward WBD	*	0	2	-150	2	* AG	95	1.9	0.0	10.0	
L. Westward WBL	*	150	2	0	0	* AG	2	3.5	0.0	10.0	
M. 8th Str NBAX	*	2	-750	2	-150	* AG	125	1.7	0.0	10.0	
N. 8th Str NBDX	*	2	150	2	750	* AG	169	1.7	0.0	10.0	
O. 8th Str SBAX	*	-2	750	-2	150	* AG	220	1.7	0.0	10.0	
P. 8th Str SBDX	*	-2	-150	-2	-750	* AG	177	1.7	0.0	10.0	
Q. Westwar EBAX	*	-750	-2	-150	-2	* AG	85	1.7	0.0	10.0	
R. Westwar EBDX	*	150	-2	750	-2	* AG	91	1.7	0.0	10.0	
S. Westwar WBAX	*	750	2	150	2	* AG	102	1.7	0.0	10.0	
T. Westwar WBDX	*	-150	2	-750	2	* AG	95	1.7	0.0	10.0	

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2017wP-06 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-8	1.8
2. NW	*	-8	8	1.8
3. SW	*	-8	-8	1.8
4. NE	*	8	8	1.8
5. ES mdbl	*	150	-8	1.8
6. WN mdbl	*	-150	8	1.8
7. WS mdbl	*	-150	-8	1.8
8. EN mdbl	*	150	8	1.8
9. SE mdbl	*	8	-150	1.8
10. NW mdbl	*	-8	150	1.8
11. SW mdbl	*	-8	-150	1.8
12. NE mdbl	*	8	150	1.8
13. ES blk	*	600	-8	1.8
14. WN blk	*	-600	8	1.8
15. WS blk	*	-600	-8	1.8
16. EN blk	*	600	8	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	8	600	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2017wP-06 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	353.	*	0.2	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
2. NW	*	7.	*	0.2	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
3. SW	*	6.	*	0.2	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
4. NE	*	353.	*	0.2	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
5. ES mdbl	*	276.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	355.	*	0.2	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	174.	*	0.2	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
11. SW mdbl	*	5.	*	0.2	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	*	186.	*	0.2	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	355.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	185.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2017wP-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2017wP-07 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. San Gorg NBA	*	5	-150	5	0	* AG	92	2.6	0.0	10.0
B. San Gorg NBD	*	5	0	5	150	* AG	131	1.8	0.0	10.0
C. San Gorg NBL	*	5	-150	0	0	* AG	7	3.5	0.0	10.0
D. San Gorg SBA	*	-2	150	-2	0	* AG	173	2.6	0.0	10.0
E. San Gorg SBD	*	-2	0	-2	-150	* AG	140	1.8	0.0	10.0
F. San Gorg SBL	*	-2	150	0	0	* AG	0	1.7	0.0	10.0
G. Westward EBA	*	-150	0	0	0	* AG	22	3.3	0.0	10.0
H. Westward EBD	*	0	0	150	0	* AG	0	1.7	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	* AG	39	3.5	0.0	10.0
J. Westward WBA	*	150	0	0	0	* AG	0	1.7	0.0	10.0
K. Westward WBD	*	0	0	-150	0	* AG	62	2.0	0.0	10.0
L. Westward WBL	*	150	2	0	0	* AG	0	1.7	0.0	10.0
M. San Gor NBAX	*	5	-750	5	-150	* AG	99	1.7	0.0	10.0
N. San Gor NBDX	*	5	150	5	750	* AG	131	1.7	0.0	10.0
O. San Gor SBAX	*	-2	750	-2	150	* AG	173	1.7	0.0	10.0
P. San Gor SBDX	*	-2	-150	-2	-750	* AG	140	1.7	0.0	10.0
Q. Westwar EBAX	*	-750	0	-150	0	* AG	61	1.7	0.0	10.0
R. Westwar EBDX	*	150	0	750	0	* AG	0	1.7	0.0	10.0
S. Westwar WBAX	*	750	0	150	0	* AG	0	1.7	0.0	10.0
T. Westwar WBDX	*	-150	0	-750	0	* AG	62	1.7	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2017wP-07 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	12	-7	1.8
2. NW	*	-8	7	1.8
3. SW	*	-8	-7	1.8
4. NE	*	12	7	1.8
5. ES mdbl	*	150	-7	1.8
6. WN mdbl	*	-150	7	1.8
7. WS mdbl	*	-150	-7	1.8
8. EN mdbl	*	150	7	1.8
9. SE mdbl	*	12	-150	1.8
10. NW mdbl	*	-8	150	1.8
11. SW mdbl	*	-8	-150	1.8
12. NE mdbl	*	12	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	12	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	12	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2017wP-07 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	7.	*	0.1	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
3. SW	*	6.	*	0.1	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
4. NE	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	272.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	98.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	82.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	269.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	174.	*	0.1	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
11. SW mdbl	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	271.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	94.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	270.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	355.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2017wP-07 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2019NP-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)	*	EF	H	W
DESCRIPTION	*	X1 Y1 X2 Y2	* TYPE	VPH (G/MI)	(M)	(M)
A. Sunset A NBA	*	2 -150 2 0	* AG	211 2.7	0.0	10.0
B. Sunset A NBD	*	2 0 2 150	* AG	460 1.8	0.0	10.0
C. Sunset A NBL	*	2 -150 0 0	* AG	0 1.7	0.0	10.0
D. Sunset A SBA	*	-2 150 -2 0	* AG	192 2.6	0.0	10.0
E. Sunset A SBD	*	-2 0 -2 -150	* AG	250 1.8	0.0	10.0
F. Sunset A SBL	*	-2 150 0 0	* AG	125 3.5	0.0	10.0
G. I-10 EB EBA	*	-150 -2 0 -2	* AG	61 3.3	0.0	10.0
H. I-10 EB EBD	*	0 -2 150 -2	* AG	140 2.0	0.0	10.0
I. I-10 EB EBL	*	-150 -2 0 0	* AG	261 3.5	0.0	10.0
J. I-10 EB WBA	*	150 0 0 0	* AG	0 1.7	0.0	10.0
K. I-10 EB WBD	*	0 0 -150 0	* AG	0 1.7	0.0	10.0
L. I-10 EB WBL	*	150 2 0 0	* AG	0 1.7	0.0	10.0
M. Sunset NBAX	*	2 -750 2 -150	* AG	211 1.7	0.0	10.0
N. Sunset NBDX	*	2 150 2 750	* AG	460 1.7	0.0	10.0
O. Sunset SBAX	*	-2 750 -2 150	* AG	317 1.7	0.0	10.0
P. Sunset SBDX	*	-2 -150 -2 -750	* AG	250 1.7	0.0	10.0
Q. I-10 EB EBAX	*	-750 -2 -150 -2	* AG	322 1.7	0.0	10.0
R. I-10 EB EBDX	*	150 -2 750 -2	* AG	140 1.7	0.0	10.0
S. I-10 EB WBAX	*	750 0 150 0	* AG	0 1.7	0.0	10.0
T. I-10 EB WBDX	*	-150 0 -750 0	* AG	0 1.7	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2019NP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-8	1.8
2. NW	*	-8	7	1.8
3. SW	*	-8	-8	1.8
4. NE	*	8	7	1.8
5. ES mdbl	*	150	-8	1.8
6. WN mdbl	*	-150	7	1.8
7. WS mdbl	*	-150	-8	1.8
8. EN mdbl	*	150	7	1.8
9. SE mdbl	*	8	-150	1.8
10. NW mdbl	*	-8	150	1.8
11. SW mdbl	*	-8	-150	1.8
12. NE mdbl	*	8	150	1.8
13. ES blk	*	600	-8	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-8	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	8	600	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2019NP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	353.	*	0.3	*	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0
2. NW	*	7.	*	0.3	*	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0
3. SW	*	6.	*	0.4	*	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0
4. NE	*	263.	*	0.3	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	274.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	98.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	81.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	355.	*	0.2	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	173.	*	0.3	*	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0
11. SW mdbl	*	5.	*	0.2	*	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	*	188.	*	0.3	*	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	355.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	174.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	5.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 4

JOB: Rancho San Gorgonio Specific Plan

RUN: 2019NP-01 (WORST CASE ANGLE)

POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2019NP-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*			EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	*	TYPE	VPH	(G/MI)	(M)	(M)
A. Sunset A NBA	*	2	-150	2	0	*	AG	27	2.6	0.0	10.0
B. Sunset A NBD	*	2	0	2	150	*	AG	80	1.8	0.0	10.0
C. Sunset A NBL	*	2	-150	0	0	*	AG	0	1.7	0.0	10.0
D. Sunset A SBA	*	-2	150	-2	0	*	AG	20	2.6	0.0	10.0
E. Sunset A SBD	*	-2	0	-2	-150	*	AG	20	1.8	0.0	10.0
F. Sunset A SBL	*	-2	150	0	0	*	AG	50	3.5	0.0	10.0
G. Westward EBA	*	-150	0	0	0	*	AG	0	1.7	0.0	10.0
H. Westward EBD	*	0	0	150	0	*	AG	50	2.0	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	*	AG	0	1.7	0.0	10.0
J. Westward WBA	*	150	0	0	0	*	AG	53	3.3	0.0	10.0
K. Westward WBD	*	0	0	-150	0	*	AG	0	1.7	0.0	10.0
L. Westward WBL	*	150	2	0	0	*	AG	0	1.7	0.0	10.0
M. Sunset NBAX	*	2	-750	2	-150	*	AG	27	1.7	0.0	10.0
N. Sunset NBDX	*	2	150	2	750	*	AG	80	1.7	0.0	10.0
O. Sunset SBAX	*	-2	750	-2	150	*	AG	70	1.7	0.0	10.0
P. Sunset SBDX	*	-2	-150	-2	-750	*	AG	20	1.7	0.0	10.0
Q. Westwar EBAX	*	-750	0	-150	0	*	AG	0	1.7	0.0	10.0
R. Westwar EBDX	*	150	0	750	0	*	AG	50	1.7	0.0	10.0
S. Westwar WBAX	*	750	0	150	0	*	AG	53	1.7	0.0	10.0
T. Westwar WBDX	*	-150	0	-750	0	*	AG	0	1.7	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: Rancho San Gorgonio Specific Plan
RUN: 2019NP-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-7	1.8
2. NW	*	-8	7	1.8
3. SW	*	-8	-7	1.8
4. NE	*	8	7	1.8
5. ES mdbl	*	150	-7	1.8
6. WN mdbl	*	-150	7	1.8
7. WS mdbl	*	-150	-7	1.8
8. EN mdbl	*	150	7	1.8
9. SE mdbl	*	8	-150	1.8
10. NW mdbl	*	-8	150	1.8
11. SW mdbl	*	-8	-150	1.8
12. NE mdbl	*	8	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	8	600	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: Rancho San Gorgonio Specific Plan
RUN: 2019NP-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SW	*	6.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	278.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	91.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	88.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	262.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	357.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	172.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. SW mdbl	*	3.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	89.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	88.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	266.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	357.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	3.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	185.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2019NP-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2019NP-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. 22nd Str NBA	*	2	-150	2	0	* AG	2	2.9	0.0	10.0
B. 22nd Str NBD	*	2	0	2	150	* AG	51	1.9	0.0	10.0
C. 22nd Str NBL	*	2	-150	0	0	* AG	1	3.5	0.0	10.0
D. 22nd Str SBA	*	-4	150	-4	0	* AG	12	2.9	0.0	10.0
E. 22nd Str SBD	*	-4	0	-4	-150	* AG	11	1.9	0.0	10.0
F. 22nd Str SBL	*	-2	150	0	0	* AG	28	3.5	0.0	10.0
G. Westward EBA	*	-150	-2	0	-2	* AG	59	2.9	0.0	10.0
H. Westward EBD	*	0	-2	150	-2	* AG	81	1.9	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	* AG	21	3.5	0.0	10.0
J. Westward WBA	*	150	2	0	2	* AG	70	2.9	0.0	10.0
K. Westward WBD	*	0	2	-150	2	* AG	51	1.9	0.0	10.0
L. Westward WBL	*	150	2	0	0	* AG	1	3.5	0.0	10.0
M. 22nd St NBAX	*	2	-750	2	-150	* AG	3	1.7	0.0	10.0
N. 22nd St NBDX	*	2	150	2	750	* AG	51	1.7	0.0	10.0
O. 22nd St SBAX	*	-4	750	-4	150	* AG	40	1.7	0.0	10.0
P. 22nd St SBDX	*	-4	-150	-4	-750	* AG	11	1.7	0.0	10.0
Q. Westwar EBAX	*	-750	-2	-150	-2	* AG	80	1.7	0.0	10.0
R. Westwar EBDX	*	150	-2	750	-2	* AG	81	1.7	0.0	10.0
S. Westwar WBAX	*	750	2	150	2	* AG	71	1.7	0.0	10.0
T. Westwar WBDX	*	-150	2	-750	2	* AG	51	1.7	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2019NP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-8	1.8
2. NW	*	-10	8	1.8
3. SW	*	-10	-8	1.8
4. NE	*	8	8	1.8
5. ES mdbl k	*	150	-8	1.8
6. WN mdbl k	*	-150	8	1.8
7. WS mdbl k	*	-150	-8	1.8
8. EN mdbl k	*	150	8	1.8
9. SE mdbl k	*	8	-150	1.8
10. NW mdbl k	*	-10	150	1.8
11. SW mdbl k	*	-10	-150	1.8
12. NE mdbl k	*	8	150	1.8
13. ES blk	*	600	-8	1.8
14. WN blk	*	-600	8	1.8
15. WS blk	*	-600	-8	1.8
16. EN blk	*	600	8	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-10	600	1.8
19. SW blk	*	-10	-600	1.8
20. NE blk	*	8	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2019NP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SW	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	264.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	276.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	358.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	171.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. SW mdbl	*	3.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	188.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	94.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	358.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	2.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	185.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2019NP-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2019NP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W	
DESCRIPTION	*	X1	Y1	X2	Y2	*	TYPE	VPH	(G/MI)	(M)	(M)
A. 8th Stre NBA	*	2	-150	2	0	*	AG	379	2.7	0.0	10.0
B. 8th Stre NBD	*	2	0	2	150	*	AG	540	1.9	0.0	10.0
C. 8th Stre NBL	*	2	-150	0	0	*	AG	141	3.5	0.0	10.0
D. 8th Stre SBA	*	-2	150	-2	0	*	AG	580	2.9	0.0	10.0
E. 8th Stre SBD	*	-2	0	-2	-150	*	AG	270	1.8	0.0	10.0
F. 8th Stre SBL	*	-2	150	0	0	*	AG	0	1.7	0.0	10.0
G. I-10 WB EBA	*	-150	0	0	0	*	AG	0	1.7	0.0	10.0
H. I-10 WB EBD	*	0	0	150	0	*	AG	0	1.7	0.0	10.0
I. I-10 WB EBL	*	-150	-2	0	0	*	AG	0	1.7	0.0	10.0
J. I-10 WB WBA	*	150	2	0	2	*	AG	166	3.3	0.0	10.0
K. I-10 WB WBD	*	0	2	-150	2	*	AG	490	3.1	0.0	10.0
L. I-10 WB WBL	*	150	2	0	0	*	AG	34	3.5	0.0	10.0
M. 8th Str NBAX	*	2	-750	2	-150	*	AG	520	1.7	0.0	10.0
N. 8th Str NBDX	*	2	150	2	750	*	AG	540	1.7	0.0	10.0
O. 8th Str SBAX	*	-2	750	-2	150	*	AG	580	1.7	0.0	10.0
P. 8th Str SBDX	*	-2	-150	-2	-750	*	AG	270	1.7	0.0	10.0
Q. I-10 WB EBAX	*	-750	0	-150	0	*	AG	0	1.7	0.0	10.0
R. I-10 WB EBDX	*	150	0	750	0	*	AG	0	1.7	0.0	10.0
S. I-10 WB WBAX	*	750	2	150	2	*	AG	200	1.7	0.0	10.0
T. I-10 WB WBDX	*	-150	2	-750	2	*	AG	490	1.7	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2019NP-04 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-7	1.8
2. NW	*	-8	8	1.8
3. SW	*	-8	-7	1.8
4. NE	*	8	8	1.8
5. ES mdbl	*	150	-7	1.8
6. WN mdbl	*	-150	8	1.8
7. WS mdbl	*	-150	-7	1.8
8. EN mdbl	*	150	8	1.8
9. SE mdbl	*	8	-150	1.8
10. NW mdbl	*	-8	150	1.8
11. SW mdbl	*	-8	-150	1.8
12. NE mdbl	*	8	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	8	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	8	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	8	600	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2019NP-04 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	353.	*	0.4	*	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0
2. NW	*	172.	*	0.4	*	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0
3. SW	*	7.	*	0.5	*	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.0
4. NE	*	263.	*	0.4	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
5. ES mdbl	*	275.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	98.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	81.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	265.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	354.	*	0.4	*	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	173.	*	0.4	*	0.0	0.1	0.0	0.3	0.0	0.0	0.0	0.0
11. SW mdbl	*	6.	*	0.3	*	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.4	*	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	84.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	174.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	5.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2019NP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3. SW	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
14. WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
15. WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
16. EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
17. SE blk	*	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0
18. NW blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0
20. NE blk	*	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2019NP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. 8th Stre NBA	*	2	-150	2	0	* AG	310	2.7	0.0	10.0
B. 8th Stre NBD	*	2	0	2	150	* AG	550	1.9	0.0	10.0
C. 8th Stre NBL	*	2	-150	0	0	* AG	0	1.7	0.0	10.0
D. 8th Stre SBA	*	-2	150	-2	0	* AG	152	2.6	0.0	10.0
E. 8th Stre SBD	*	-2	0	-2	-150	* AG	290	1.8	0.0	10.0
F. 8th Stre SBL	*	-2	150	0	0	* AG	118	3.5	0.0	10.0
G. I-10 EB EBA	*	-150	-2	0	-2	* AG	141	3.3	0.0	10.0
H. I-10 EB EBD	*	0	-2	150	-2	* AG	150	2.0	0.0	10.0
I. I-10 EB EBL	*	-150	-2	0	0	* AG	269	3.5	0.0	10.0
J. I-10 EB WBA	*	150	0	0	0	* AG	0	1.7	0.0	10.0
K. I-10 EB WBD	*	0	0	-150	0	* AG	0	1.7	0.0	10.0
L. I-10 EB WBL	*	150	2	0	0	* AG	0	1.7	0.0	10.0
M. 8th Str NBAX	*	2	-750	2	-150	* AG	310	1.7	0.0	10.0
N. 8th Str NBDX	*	2	150	2	750	* AG	550	1.7	0.0	10.0
O. 8th Str SBAX	*	-2	750	-2	150	* AG	270	1.7	0.0	10.0
P. 8th Str SBDX	*	-2	-150	-2	-750	* AG	290	1.7	0.0	10.0
Q. I-10 EB EBAX	*	-750	-2	-150	-2	* AG	410	1.7	0.0	10.0
R. I-10 EB EBDX	*	150	-2	750	-2	* AG	150	1.7	0.0	10.0
S. I-10 EB WBAX	*	750	0	150	0	* AG	0	1.7	0.0	10.0
T. I-10 EB WBDX	*	-150	0	-750	0	* AG	0	1.7	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2019NP-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

		*	COORDINATES (M)		
RECEPTOR		*	X	Y	Z
		*	-----*		
1.	SE	*	8	-8	1.8
2.	NW	*	-8	7	1.8
3.	SW	*	-8	-8	1.8
4.	NE	*	8	7	1.8
5.	ES mdbl	*	150	-8	1.8
6.	WN mdbl	*	-150	7	1.8
7.	WS mdbl	*	-150	-8	1.8
8.	EN mdbl	*	150	7	1.8
9.	SE mdbl	*	8	-150	1.8
10.	NW mdbl	*	-8	150	1.8
11.	SW mdbl	*	-8	-150	1.8
12.	NE mdbl	*	8	150	1.8
13.	ES blk	*	600	-8	1.8
14.	WN blk	*	-600	7	1.8
15.	WS blk	*	-600	-8	1.8
16.	EN blk	*	600	7	1.8
17.	SE blk	*	8	-600	1.8
18.	NW blk	*	-8	600	1.8
19.	SW blk	*	-8	-600	1.8
20.	NE blk	*	8	600	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2019NP-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	353.	*	0.3	*	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.0
2. NW	*	174.	*	0.3	*	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
3. SW	*	7.	*	0.4	*	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0
4. NE	*	263.	*	0.4	*	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0
5. ES mdbl	*	273.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	98.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
7. WS mdbl	*	81.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
8. EN mdbl	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	354.	*	0.3	*	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
10. NW mdbl	*	174.	*	0.3	*	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0
11. SW mdbl	*	5.	*	0.3	*	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.3	*	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	84.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	174.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	5.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2019NP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2019NP-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. 8th Stre NBA	*	0	-150	0	0	* AG	0	1.7	0.0	10.0
B. 8th Stre NBD	*	0	0	0	150	* AG	80	2.0	0.0	10.0
C. 8th Stre NBL	*	2	-150	0	0	* AG	0	1.7	0.0	10.0
D. 8th Stre SBA	*	0	150	0	0	* AG	34	3.3	0.0	10.0
E. 8th Stre SBD	*	0	0	0	-150	* AG	10	2.0	0.0	10.0
F. 8th Stre SBL	*	-2	150	0	0	* AG	60	3.5	0.0	10.0
G. Westward EBA	*	-150	-2	0	-2	* AG	41	2.6	0.0	10.0
H. Westward EBD	*	0	-2	150	-2	* AG	100	1.8	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	* AG	21	3.5	0.0	10.0
J. Westward WBA	*	150	2	0	2	* AG	111	2.6	0.0	10.0
K. Westward WBD	*	0	2	-150	2	* AG	80	1.8	0.0	10.0
L. Westward WBL	*	150	2	0	0	* AG	3	3.5	0.0	10.0
M. 8th Str NBAX	*	0	-750	0	-150	* AG	0	1.7	0.0	10.0
N. 8th Str NBDX	*	0	150	0	750	* AG	80	1.7	0.0	10.0
O. 8th Str SBAX	*	0	750	0	150	* AG	94	1.7	0.0	10.0
P. 8th Str SBDX	*	0	-150	0	-750	* AG	10	1.7	0.0	10.0
Q. Westwar EBAX	*	-750	-2	-150	-2	* AG	62	1.7	0.0	10.0
R. Westwar EBDX	*	150	-2	750	-2	* AG	100	1.7	0.0	10.0
S. Westwar WBAX	*	750	2	150	2	* AG	114	1.7	0.0	10.0
T. Westwar WBDX	*	-150	2	-750	2	* AG	80	1.7	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2019NP-06 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*			
1. SE	*	7	-8	1.8
2. NW	*	-7	8	1.8
3. SW	*	-7	-8	1.8
4. NE	*	7	8	1.8
5. ES mdbl	*	150	-8	1.8
6. WN mdbl	*	-150	8	1.8
7. WS mdbl	*	-150	-8	1.8
8. EN mdbl	*	150	8	1.8
9. SE mdbl	*	7	-150	1.8
10. NW mdbl	*	-7	150	1.8
11. SW mdbl	*	-7	-150	1.8
12. NE mdbl	*	7	150	1.8
13. ES blk	*	600	-8	1.8
14. WN blk	*	-600	8	1.8
15. WS blk	*	-600	-8	1.8
16. EN blk	*	600	8	1.8
17. SE blk	*	7	-600	1.8
18. NW blk	*	-7	600	1.8
19. SW blk	*	-7	-600	1.8
20. NE blk	*	7	600	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2019NP-06 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SW	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	276.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	94.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	358.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	173.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
11. SW mdbl	*	2.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	188.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	93.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	359.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	2.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	185.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2019NP-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2019NP-07 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*			EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	*	TYPE	VPH	(G/MI)	(M)	(M)
A. San Gorg NBA	*	5	-150	5	0	*	AG	90	2.6	0.0	10.0
B. San Gorg NBD	*	5	0	5	150	*	AG	130	1.8	0.0	10.0
C. San Gorg NBL	*	5	-150	0	0	*	AG	12	3.5	0.0	10.0
D. San Gorg SBA	*	-2	150	-2	0	*	AG	166	2.6	0.0	10.0
E. San Gorg SBD	*	-2	0	-2	-150	*	AG	140	1.8	0.0	10.0
F. San Gorg SBL	*	-2	150	0	0	*	AG	0	1.7	0.0	10.0
G. Westward EBA	*	-150	0	0	0	*	AG	32	3.3	0.0	10.0
H. Westward EBD	*	0	0	150	0	*	AG	0	1.7	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	*	AG	40	3.5	0.0	10.0
J. Westward WBA	*	150	0	0	0	*	AG	0	1.7	0.0	10.0
K. Westward WBD	*	0	0	-150	0	*	AG	70	2.0	0.0	10.0
L. Westward WBL	*	150	2	0	0	*	AG	0	1.7	0.0	10.0
M. San Gor NBAX	*	5	-750	5	-150	*	AG	102	1.7	0.0	10.0
N. San Gor NBDX	*	5	150	5	750	*	AG	130	1.7	0.0	10.0
O. San Gor SBAX	*	-2	750	-2	150	*	AG	166	1.7	0.0	10.0
P. San Gor SBDX	*	-2	-150	-2	-750	*	AG	140	1.7	0.0	10.0
Q. Westwar EBAX	*	-750	0	-150	0	*	AG	72	1.7	0.0	10.0
R. Westwar EBDX	*	150	0	750	0	*	AG	0	1.7	0.0	10.0
S. Westwar WBAX	*	750	0	150	0	*	AG	0	1.7	0.0	10.0
T. Westwar WBDX	*	-150	0	-750	0	*	AG	70	1.7	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2019NP-07 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	12	-7	1.8
2. NW	*	-8	7	1.8
3. SW	*	-8	-7	1.8
4. NE	*	12	7	1.8
5. ES mdbl	*	150	-7	1.8
6. WN mdbl	*	-150	7	1.8
7. WS mdbl	*	-150	-7	1.8
8. EN mdbl	*	150	7	1.8
9. SE mdbl	*	12	-150	1.8
10. NW mdbl	*	-8	150	1.8
11. SW mdbl	*	-8	-150	1.8
12. NE mdbl	*	12	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	12	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	12	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2019NP-07 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	173.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SW	*	6.	*	0.1	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
4. NE	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	271.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	98.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	82.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	269.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	174.	*	0.1	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
11. SW mdbl	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	271.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	270.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	355.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 4

JOB: Rancho San Gorgonio Specific Plan

RUN: 2019NP-07 (WORST CASE ANGLE)

POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2019wP-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*			EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	*	TYPE	VPH	(G/MI)	(M)	(M)
A. Sunset A NBA	*	2	-150	2	0	*	AG	41	2.6	0.0	10.0
B. Sunset A NBD	*	2	0	2	150	*	AG	41	1.8	0.0	10.0
C. Sunset A NBL	*	2	-150	0	0	*	AG	0	1.7	0.0	10.0
D. Sunset A SBA	*	-2	150	-2	0	*	AG	59	2.6	0.0	10.0
E. Sunset A SBD	*	-2	0	-2	-150	*	AG	70	1.8	0.0	10.0
F. Sunset A SBL	*	-2	150	0	0	*	AG	0	1.7	0.0	10.0
G. I-10 EB EBA	*	-150	-2	0	-2	*	AG	11	3.3	0.0	10.0
H. I-10 EB EBD	*	0	-2	150	-2	*	AG	0	1.7	0.0	10.0
I. I-10 EB EBL	*	-150	-2	0	0	*	AG	0	1.7	0.0	10.0
J. I-10 EB WBA	*	150	0	0	0	*	AG	0	1.7	0.0	10.0
K. I-10 EB WBD	*	0	0	-150	0	*	AG	0	1.7	0.0	10.0
L. I-10 EB WBL	*	150	2	0	0	*	AG	0	1.7	0.0	10.0
M. Sunset NBAX	*	2	-750	2	-150	*	AG	41	1.7	0.0	10.0
N. Sunset NBDX	*	2	150	2	750	*	AG	41	1.7	0.0	10.0
O. Sunset SBAX	*	-2	750	-2	150	*	AG	59	1.7	0.0	10.0
P. Sunset SBDX	*	-2	-150	-2	-750	*	AG	70	1.7	0.0	10.0
Q. I-10 EB EBAX	*	-750	-2	-150	-2	*	AG	11	1.7	0.0	10.0
R. I-10 EB EBDX	*	150	-2	750	-2	*	AG	0	1.7	0.0	10.0
S. I-10 EB WBAX	*	750	0	150	0	*	AG	0	1.7	0.0	10.0
T. I-10 EB WBDX	*	-150	0	-750	0	*	AG	0	1.7	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2019wP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

		*	COORDINATES (M)		
RECEPTOR		*	X	Y	Z
		*	-----*		
1.	SE	*	8	-8	1.8
2.	NW	*	-8	7	1.8
3.	SW	*	-8	-8	1.8
4.	NE	*	8	7	1.8
5.	ES mdbl	*	150	-8	1.8
6.	WN mdbl	*	-150	7	1.8
7.	WS mdbl	*	-150	-8	1.8
8.	EN mdbl	*	150	7	1.8
9.	SE mdbl	*	8	-150	1.8
10.	NW mdbl	*	-8	150	1.8
11.	SW mdbl	*	-8	-150	1.8
12.	NE mdbl	*	8	150	1.8
13.	ES blk	*	600	-8	1.8
14.	WN blk	*	-600	7	1.8
15.	WS blk	*	-600	-8	1.8
16.	EN blk	*	600	7	1.8
17.	SE blk	*	8	-600	1.8
18.	NW blk	*	-8	600	1.8
19.	SW blk	*	-8	-600	1.8
20.	NE blk	*	8	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2019wP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	185.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	175.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SW	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	185.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	271.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	99.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	82.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	268.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	355.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	175.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. SW mdbl	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	185.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	270.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	94.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	87.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	269.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	355.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	176.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	4.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	185.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2019wP-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2019wP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. Sunset A NBA	*	2	-150	2	0	* AG	0	1.7	0.0	10.0
B. Sunset A NBD	*	2	0	2	150	* AG	45	1.8	0.0	10.0
C. Sunset A NBL	*	2	-150	0	0	* AG	0	1.7	0.0	10.0
D. Sunset A SBA	*	-2	150	-2	0	* AG	0	1.7	0.0	10.0
E. Sunset A SBD	*	-2	0	-2	-150	* AG	0	1.7	0.0	10.0
F. Sunset A SBL	*	-2	150	0	0	* AG	76	3.5	0.0	10.0
G. Westward EBA	*	-150	0	0	0	* AG	0	1.7	0.0	10.0
H. Westward EBD	*	0	0	150	0	* AG	76	2.0	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	* AG	0	1.7	0.0	10.0
J. Westward WBA	*	150	0	0	0	* AG	45	3.3	0.0	10.0
K. Westward WBD	*	0	0	-150	0	* AG	0	1.7	0.0	10.0
L. Westward WBL	*	150	2	0	0	* AG	0	1.7	0.0	10.0
M. Sunset NBAX	*	2	-750	2	-150	* AG	0	1.7	0.0	10.0
N. Sunset NBDX	*	2	150	2	750	* AG	45	1.7	0.0	10.0
O. Sunset SBAX	*	-2	750	-2	150	* AG	76	1.7	0.0	10.0
P. Sunset SBDX	*	-2	-150	-2	-750	* AG	0	1.7	0.0	10.0
Q. Westwar EBAX	*	-750	0	-150	0	* AG	0	1.7	0.0	10.0
R. Westwar EBDX	*	150	0	750	0	* AG	76	1.7	0.0	10.0
S. Westwar WBAX	*	750	0	150	0	* AG	45	1.7	0.0	10.0
T. Westwar WBDX	*	-150	0	-750	0	* AG	0	1.7	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2019wP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

		*	COORDINATES (M)		
RECEPTOR		*	X	Y	Z
		*	-----*		
1.	SE	*	8	-7	1.8
2.	NW	*	-8	7	1.8
3.	SW	*	-8	-7	1.8
4.	NE	*	8	7	1.8
5.	ES mdbl	*	150	-7	1.8
6.	WN mdbl	*	-150	7	1.8
7.	WS mdbl	*	-150	-7	1.8
8.	EN mdbl	*	150	7	1.8
9.	SE mdbl	*	8	-150	1.8
10.	NW mdbl	*	-8	150	1.8
11.	SW mdbl	*	-8	-150	1.8
12.	NE mdbl	*	8	150	1.8
13.	ES blk	*	600	-7	1.8
14.	WN blk	*	-600	7	1.8
15.	WS blk	*	-600	-7	1.8
16.	EN blk	*	600	7	1.8
17.	SE blk	*	8	-600	1.8
18.	NW blk	*	-8	600	1.8
19.	SW blk	*	-8	-600	1.8
20.	NE blk	*	8	600	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2019wP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SW	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	279.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	91.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	88.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	262.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	359.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	170.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
11. SW mdbl	*	2.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	189.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	89.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	88.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	266.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	1.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	2.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	185.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 4

JOB: Rancho San Gorgonio Specific Plan

RUN: 2019wP-02 (WORST CASE ANGLE)

POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2019wP-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*			EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	*	TYPE	VPH	(G/MI)	(M)	(M)
A. 22nd Str NBA	*	2	-150	2	0	*	AG	0	1.7	0.0	10.0
B. 22nd Str NBD	*	2	0	2	150	*	AG	8	1.9	0.0	10.0
C. 22nd Str NBL	*	2	-150	0	0	*	AG	0	1.7	0.0	10.0
D. 22nd Str SBA	*	-4	150	-4	0	*	AG	0	1.7	0.0	10.0
E. 22nd Str SBD	*	-4	0	-4	-150	*	AG	0	1.7	0.0	10.0
F. 22nd Str SBL	*	-2	150	0	0	*	AG	14	3.5	0.0	10.0
G. Westward EBA	*	-150	-2	0	-2	*	AG	76	2.9	0.0	10.0
H. Westward EBD	*	0	-2	150	-2	*	AG	90	1.9	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	*	AG	0	1.7	0.0	10.0
J. Westward WBA	*	150	2	0	2	*	AG	53	2.9	0.0	10.0
K. Westward WBD	*	0	2	-150	2	*	AG	45	1.9	0.0	10.0
L. Westward WBL	*	150	2	0	0	*	AG	0	1.7	0.0	10.0
M. 22nd St NBAX	*	2	-750	2	-150	*	AG	0	1.7	0.0	10.0
N. 22nd St NBDX	*	2	150	2	750	*	AG	8	1.7	0.0	10.0
O. 22nd St SBAX	*	-4	750	-4	150	*	AG	14	1.7	0.0	10.0
P. 22nd St SBDX	*	-4	-150	-4	-750	*	AG	0	1.7	0.0	10.0
Q. Westwar EBAX	*	-750	-2	-150	-2	*	AG	76	1.7	0.0	10.0
R. Westwar EBDX	*	150	-2	750	-2	*	AG	90	1.7	0.0	10.0
S. Westwar WBAX	*	750	2	150	2	*	AG	53	1.7	0.0	10.0
T. Westwar WBDX	*	-150	2	-750	2	*	AG	45	1.7	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2019wP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-8	1.8
2. NW	*	-10	8	1.8
3. SW	*	-10	-8	1.8
4. NE	*	8	8	1.8
5. ES mdbl	*	150	-8	1.8
6. WN mdbl	*	-150	8	1.8
7. WS mdbl	*	-150	-8	1.8
8. EN mdbl	*	150	8	1.8
9. SE mdbl	*	8	-150	1.8
10. NW mdbl	*	-10	150	1.8
11. SW mdbl	*	-10	-150	1.8
12. NE mdbl	*	8	150	1.8
13. ES blk	*	600	-8	1.8
14. WN blk	*	-600	8	1.8
15. WS blk	*	-600	-8	1.8
16. EN blk	*	600	8	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-10	600	1.8
19. SW blk	*	-10	-600	1.8
20. NE blk	*	8	600	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2019wP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	276.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SW	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	358.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	170.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. SW mdbl	*	2.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	189.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	360.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	176.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	1.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	184.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2019wP-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2019wP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. 8th Stre NBA	*	5	-150	5	0	* AG	71	2.6	0.0	10.0
B. 8th Stre NBD	*	5	0	5	150	* AG	71	1.8	0.0	10.0
C. 8th Stre NBL	*	5	-150	0	0	* AG	46	3.5	0.0	10.0
D. 8th Stre SBA	*	-2	150	-2	0	* AG	108	2.6	0.0	10.0
E. 8th Stre SBD	*	-2	0	-2	-150	* AG	169	1.8	0.0	10.0
F. 8th Stre SBL	*	-2	150	0	0	* AG	0	1.7	0.0	10.0
G. I-10 WB EBA	*	-150	0	0	0	* AG	0	1.7	0.0	10.0
H. I-10 WB EBD	*	0	0	150	0	* AG	0	1.7	0.0	10.0
I. I-10 WB EBL	*	-150	-2	0	0	* AG	0	1.7	0.0	10.0
J. I-10 WB WBA	*	150	2	0	2	* AG	0	1.7	0.0	10.0
K. I-10 WB WBD	*	0	2	-150	2	* AG	46	2.0	0.0	10.0
L. I-10 WB WBL	*	150	2	0	0	* AG	61	3.5	0.0	10.0
M. 8th Str NBAX	*	5	-750	5	-150	* AG	117	1.7	0.0	10.0
N. 8th Str NBDX	*	5	150	5	750	* AG	71	1.7	0.0	10.0
O. 8th Str SBAX	*	-2	750	-2	150	* AG	108	1.7	0.0	10.0
P. 8th Str SBDX	*	-2	-150	-2	-750	* AG	169	1.7	0.0	10.0
Q. I-10 WB EBAX	*	-750	0	-150	0	* AG	0	1.7	0.0	10.0
R. I-10 WB EBDX	*	150	0	750	0	* AG	0	1.7	0.0	10.0
S. I-10 WB WBAX	*	750	2	150	2	* AG	61	1.7	0.0	10.0
T. I-10 WB WBDX	*	-150	2	-750	2	* AG	46	1.7	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2019wP-04 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	12	-7	1.8
2. NW	*	-8	8	1.8
3. SW	*	-8	-7	1.8
4. NE	*	12	8	1.8
5. ES mdbl	*	150	-7	1.8
6. WN mdbl	*	-150	8	1.8
7. WS mdbl	*	-150	-7	1.8
8. EN mdbl	*	150	8	1.8
9. SE mdbl	*	12	-150	1.8
10. NW mdbl	*	-8	150	1.8
11. SW mdbl	*	-8	-150	1.8
12. NE mdbl	*	12	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	8	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	8	1.8
17. SE blk	*	12	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	12	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2019wP-04 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	187.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	173.	*	0.1	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
3. SW	*	173.	*	0.1	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
4. NE	*	186.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	276.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	95.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	87.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	262.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	353.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	175.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. SW mdbl	*	7.	*	0.1	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	*	185.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	273.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	94.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	87.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	266.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	355.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	185.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2019wP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2019wP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. 8th Stre NBA	*	2	-150	2	0	* AG	156	2.6	0.0	10.0
B. 8th Stre NBD	*	2	0	2	150	* AG	118	1.8	0.0	10.0
C. 8th Stre NBL	*	2	-150	0	0	* AG	0	1.7	0.0	10.0
D. 8th Stre SBA	*	-5	150	-5	0	* AG	169	2.6	0.0	10.0
E. 8th Stre SBD	*	-5	0	-5	-150	* AG	247	1.8	0.0	10.0
F. 8th Stre SBL	*	-5	150	0	0	* AG	0	1.7	0.0	10.0
G. I-10 EB EBA	*	-150	-2	0	-2	* AG	78	3.3	0.0	10.0
H. I-10 EB EBD	*	0	-2	150	-2	* AG	38	2.0	0.0	10.0
I. I-10 EB EBL	*	-150	-2	0	0	* AG	0	1.7	0.0	10.0
J. I-10 EB WBA	*	150	0	0	0	* AG	0	1.7	0.0	10.0
K. I-10 EB WBD	*	0	0	-150	0	* AG	0	1.7	0.0	10.0
L. I-10 EB WBL	*	150	2	0	0	* AG	0	1.7	0.0	10.0
M. 8th Str NBAX	*	2	-750	2	-150	* AG	156	1.7	0.0	10.0
N. 8th Str NBDX	*	2	150	2	750	* AG	118	1.7	0.0	10.0
O. 8th Str SBAX	*	-5	750	-5	150	* AG	169	1.7	0.0	10.0
P. 8th Str SBDX	*	-5	-150	-5	-750	* AG	247	1.7	0.0	10.0
Q. I-10 EB EBAX	*	-750	-2	-150	-2	* AG	78	1.7	0.0	10.0
R. I-10 EB EBDX	*	150	-2	750	-2	* AG	38	1.7	0.0	10.0
S. I-10 EB WBAX	*	750	0	150	0	* AG	0	1.7	0.0	10.0
T. I-10 EB WBDX	*	-150	0	-750	0	* AG	0	1.7	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2019wP-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*			
1. SE	*	8	-8	1.8
2. NW	*	-12	7	1.8
3. SW	*	-12	-8	1.8
4. NE	*	8	7	1.8
5. ES mdbl k	*	150	-8	1.8
6. WN mdbl k	*	-150	7	1.8
7. WS mdbl k	*	-150	-8	1.8
8. EN mdbl k	*	150	7	1.8
9. SE mdbl k	*	8	-150	1.8
10. NW mdbl k	*	-12	150	1.8
11. SW mdbl k	*	-12	-150	1.8
12. NE mdbl k	*	8	150	1.8
13. ES blk	*	600	-8	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-8	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-12	600	1.8
19. SW blk	*	-12	-600	1.8
20. NE blk	*	8	600	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2019wP-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	187.	*	0.1	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	174.	*	0.2	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
3. SW	*	173.	*	0.1	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
4. NE	*	186.	*	0.1	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	273.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	98.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	83.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
8. EN mdbl	*	266.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	353.	*	0.1	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	175.	*	0.1	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
11. SW mdbl	*	6.	*	0.1	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	*	186.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	273.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	86.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	266.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	6.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	185.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 4

JOB: Rancho San Gorgonio Specific Plan

RUN: 2019wP-05 (WORST CASE ANGLE)

POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2019wP-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* *	LINK COORDINATES (M)				* *	TYPE	VPH	EF (G/MI)	H (M)	W (M)
		X1	Y1	X2	Y2						
A. 8th Stre NBA	*	2	-150	2	0	*	AG	169	2.9	0.0	10.0
B. 8th Stre NBD	*	2	0	2	150	*	AG	165	1.9	0.0	10.0
C. 8th Stre NBL	*	2	-150	0	0	*	AG	69	3.5	0.0	10.0
D. 8th Stre SBA	*	-2	150	-2	0	*	AG	260	2.9	0.0	10.0
E. 8th Stre SBD	*	-2	0	-2	-150	*	AG	379	1.9	0.0	10.0
F. 8th Stre SBL	*	-2	150	0	0	*	AG	0	1.7	0.0	10.0
G. Westward EBA	*	-150	-2	0	-2	*	AG	113	2.9	0.0	10.0
H. Westward EBD	*	0	-2	150	-2	*	AG	4	1.9	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	*	AG	0	1.7	0.0	10.0
J. Westward WBA	*	150	2	0	2	*	AG	0	1.7	0.0	10.0
K. Westward WBD	*	0	2	-150	2	*	AG	69	1.9	0.0	10.0
L. Westward WBL	*	150	2	0	0	*	AG	6	3.5	0.0	10.0
M. 8th Str NBAX	*	2	-750	2	-150	*	AG	238	1.7	0.0	10.0
N. 8th Str NBDX	*	2	150	2	750	*	AG	165	1.7	0.0	10.0
O. 8th Str SBAX	*	-2	750	-2	150	*	AG	260	1.7	0.0	10.0
P. 8th Str SBDX	*	-2	-150	-2	-750	*	AG	379	1.7	0.0	10.0
Q. Westwar EBAX	*	-750	-2	-150	-2	*	AG	113	1.7	0.0	10.0
R. Westwar EBDX	*	150	-2	750	-2	*	AG	4	1.7	0.0	10.0
S. Westwar WBAX	*	750	2	150	2	*	AG	6	1.7	0.0	10.0
T. Westwar WBDX	*	-150	2	-750	2	*	AG	69	1.7	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2019wP-06 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-8	1.8
2. NW	*	-8	8	1.8
3. SW	*	-8	-8	1.8
4. NE	*	8	8	1.8
5. ES mdbl	*	150	-8	1.8
6. WN mdbl	*	-150	8	1.8
7. WS mdbl	*	-150	-8	1.8
8. EN mdbl	*	150	8	1.8
9. SE mdbl	*	8	-150	1.8
10. NW mdbl	*	-8	150	1.8
11. SW mdbl	*	-8	-150	1.8
12. NE mdbl	*	8	150	1.8
13. ES blk	*	600	-8	1.8
14. WN blk	*	-600	8	1.8
15. WS blk	*	-600	-8	1.8
16. EN blk	*	600	8	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	8	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2019wP-06 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	187.	*	0.2	*	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
2. NW	*	173.	*	0.3	*	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
3. SW	*	173.	*	0.2	*	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
4. NE	*	186.	*	0.2	*	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
5. ES mdbl	*	272.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	100.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	82.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
8. EN mdbl	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	353.	*	0.3	*	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
10. NW mdbl	*	175.	*	0.2	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
11. SW mdbl	*	7.	*	0.2	*	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	*	186.	*	0.2	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
13. ES blk	*	271.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	267.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	5.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	185.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 4

JOB: Rancho San Gorgonio Specific Plan

RUN: 2019wP-06 (WORST CASE ANGLE)

POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2019wP-07 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. San Gorg NBA	*	5	-150	5	0	* AG	0	1.7	0.0	10.0
B. San Gorg NBD	*	5	0	5	150	* AG	1	1.8	0.0	10.0
C. San Gorg NBL	*	5	-150	0	0	* AG	5	3.5	0.0	10.0
D. San Gorg SBA	*	-2	150	-2	0	* AG	2	2.6	0.0	10.0
E. San Gorg SBD	*	-2	0	-2	-150	* AG	3	1.8	0.0	10.0
F. San Gorg SBL	*	-2	150	0	0	* AG	0	1.7	0.0	10.0
G. Westward EBA	*	-150	0	0	0	* AG	3	3.3	0.0	10.0
H. Westward EBD	*	0	0	150	0	* AG	0	1.7	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	* AG	1	3.5	0.0	10.0
J. Westward WBA	*	150	0	0	0	* AG	0	1.7	0.0	10.0
K. Westward WBD	*	0	0	-150	0	* AG	7	2.0	0.0	10.0
L. Westward WBL	*	150	2	0	0	* AG	0	1.7	0.0	10.0
M. San Gor NBAX	*	5	-750	5	-150	* AG	5	1.7	0.0	10.0
N. San Gor NBDX	*	5	150	5	750	* AG	1	1.7	0.0	10.0
O. San Gor SBAX	*	-2	750	-2	150	* AG	2	1.7	0.0	10.0
P. San Gor SBDX	*	-2	-150	-2	-750	* AG	3	1.7	0.0	10.0
Q. Westwar EBAX	*	-750	0	-150	0	* AG	4	1.7	0.0	10.0
R. Westwar EBDX	*	150	0	750	0	* AG	0	1.7	0.0	10.0
S. Westwar WBAX	*	750	0	150	0	* AG	0	1.7	0.0	10.0
T. Westwar WBDX	*	-150	0	-750	0	* AG	7	1.7	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2019wP-07 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	12	-7	1.8
2. NW	*	-8	7	1.8
3. SW	*	-8	-7	1.8
4. NE	*	12	7	1.8
5. ES mdbl k	*	150	-7	1.8
6. WN mdbl k	*	-150	7	1.8
7. WS mdbl k	*	-150	-7	1.8
8. EN mdbl k	*	150	7	1.8
9. SE mdbl k	*	12	-150	1.8
10. NW mdbl k	*	-8	150	1.8
11. SW mdbl k	*	-8	-150	1.8
12. NE mdbl k	*	12	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	12	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	12	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2019wP-07 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	274.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	174.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SW	*	274.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	266.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	271.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	98.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	83.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	269.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	351.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	178.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. SW mdbl	*	5.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	184.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	270.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	94.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	87.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	269.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	356.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	178.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	4.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	184.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2019wP-07 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Geronio Specific Plan
RUN: 2022NP-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. Sunset A NBA	*	2	-150	2	0	* AG	260	1.7	0.0	10.0
B. Sunset A NBD	*	2	0	2	150	* AG	470	1.2	0.0	10.0
C. Sunset A NBL	*	2	-150	0	0	* AG	0	1.1	0.0	10.0
D. Sunset A SBA	*	-2	150	-2	0	* AG	205	1.7	0.0	10.0
E. Sunset A SBD	*	-2	0	-2	-150	* AG	290	1.2	0.0	10.0
F. Sunset A SBL	*	-2	150	0	0	* AG	115	2.1	0.0	10.0
G. I-10 EB EBA	*	-150	-2	0	-2	* AG	85	2.0	0.0	10.0
H. I-10 EB EBD	*	0	-2	150	-2	* AG	136	1.3	0.0	10.0
I. I-10 EB EBL	*	-150	-2	0	0	* AG	231	2.1	0.0	10.0
J. I-10 EB WBA	*	150	0	0	0	* AG	0	1.1	0.0	10.0
K. I-10 EB WBD	*	0	0	-150	0	* AG	0	1.1	0.0	10.0
L. I-10 EB WBL	*	150	2	0	0	* AG	0	1.1	0.0	10.0
M. Sunset NBAX	*	2	-750	2	-150	* AG	260	1.1	0.0	10.0
N. Sunset NBDX	*	2	150	2	750	* AG	470	1.1	0.0	10.0
O. Sunset SBAX	*	-2	750	-2	150	* AG	320	1.1	0.0	10.0
P. Sunset SBDX	*	-2	-150	-2	-750	* AG	290	1.1	0.0	10.0
Q. I-10 EB EBAX	*	-750	-2	-150	-2	* AG	316	1.1	0.0	10.0
R. I-10 EB EBDX	*	150	-2	750	-2	* AG	136	1.1	0.0	10.0
S. I-10 EB WBAX	*	750	0	150	0	* AG	0	1.1	0.0	10.0
T. I-10 EB WBDX	*	-150	0	-750	0	* AG	0	1.1	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2022NP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

		*	COORDINATES (M)		
RECEPTOR		*	X	Y	Z
		*	-----*		
1.	SE	*	8	-8	1.8
2.	NW	*	-8	7	1.8
3.	SW	*	-8	-8	1.8
4.	NE	*	8	7	1.8
5.	ES mdbl	*	150	-8	1.8
6.	WN mdbl	*	-150	7	1.8
7.	WS mdbl	*	-150	-8	1.8
8.	EN mdbl	*	150	7	1.8
9.	SE mdbl	*	8	-150	1.8
10.	NW mdbl	*	-8	150	1.8
11.	SW mdbl	*	-8	-150	1.8
12.	NE mdbl	*	8	150	1.8
13.	ES blk	*	600	-8	1.8
14.	WN blk	*	-600	7	1.8
15.	WS blk	*	-600	-8	1.8
16.	EN blk	*	600	7	1.8
17.	SE blk	*	8	-600	1.8
18.	NW blk	*	-8	600	1.8
19.	SW blk	*	-8	-600	1.8
20.	NE blk	*	8	600	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2022NP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	353.	*	0.2	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	7.	*	0.2	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
3. SW	*	6.	*	0.2	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
4. NE	*	263.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	274.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	98.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	81.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	354.	*	0.2	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	173.	*	0.2	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
11. SW mdbl	*	5.	*	0.2	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.2	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	267.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	355.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	174.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2022NP-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2022NP-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*			EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	*	TYPE	VPH	(G/MI)	(M)	(M)
A. Sunset A NBA	*	2	-150	2	0	*	AG	37	1.6	0.0	10.0
B. Sunset A NBD	*	2	0	2	150	*	AG	120	1.2	0.0	10.0
C. Sunset A NBL	*	2	-150	0	0	*	AG	0	1.1	0.0	10.0
D. Sunset A SBA	*	-2	150	-2	0	*	AG	20	1.6	0.0	10.0
E. Sunset A SBD	*	-2	0	-2	-150	*	AG	21	1.2	0.0	10.0
F. Sunset A SBL	*	-2	150	0	0	*	AG	80	2.1	0.0	10.0
G. Westward EBA	*	-150	0	0	0	*	AG	0	1.1	0.0	10.0
H. Westward EBD	*	0	0	150	0	*	AG	81	1.3	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	*	AG	0	1.1	0.0	10.0
J. Westward WBA	*	150	0	0	0	*	AG	84	2.0	0.0	10.0
K. Westward WBD	*	0	0	-150	0	*	AG	0	1.1	0.0	10.0
L. Westward WBL	*	150	2	0	0	*	AG	1	2.1	0.0	10.0
M. Sunset NBAX	*	2	-750	2	-150	*	AG	37	1.1	0.0	10.0
N. Sunset NBDX	*	2	150	2	750	*	AG	120	1.1	0.0	10.0
O. Sunset SBAX	*	-2	750	-2	150	*	AG	100	1.1	0.0	10.0
P. Sunset SBDX	*	-2	-150	-2	-750	*	AG	21	1.1	0.0	10.0
Q. Westwar EBAX	*	-750	0	-150	0	*	AG	0	1.1	0.0	10.0
R. Westwar EBDX	*	150	0	750	0	*	AG	81	1.1	0.0	10.0
S. Westwar WBAX	*	750	0	150	0	*	AG	85	1.1	0.0	10.0
T. Westwar WBDX	*	-150	0	-750	0	*	AG	0	1.1	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2022NP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-7	1.8
2. NW	*	-8	7	1.8
3. SW	*	-8	-7	1.8
4. NE	*	8	7	1.8
5. ES mdbl	*	150	-7	1.8
6. WN mdbl	*	-150	7	1.8
7. WS mdbl	*	-150	-7	1.8
8. EN mdbl	*	150	7	1.8
9. SE mdbl	*	8	-150	1.8
10. NW mdbl	*	-8	150	1.8
11. SW mdbl	*	-8	-150	1.8
12. NE mdbl	*	8	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	8	600	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2022NP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SW	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	279.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	91.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	88.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	262.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	358.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	172.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. SW mdbl	*	3.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	89.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	88.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	265.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	358.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	4.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	185.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 4

JOB: Rancho San Gorgonio Specific Plan

RUN: 2022NP-02 (WORST CASE ANGLE)

POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2022NP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. 22nd Str NBA	*	2	-150	2	0	* AG	2	1.8	0.0	10.0
B. 22nd Str NBD	*	2	0	2	150	* AG	51	1.2	0.0	10.0
C. 22nd Str NBL	*	2	-150	0	0	* AG	1	2.1	0.0	10.0
D. 22nd Str SBA	*	-4	150	-4	0	* AG	14	1.8	0.0	10.0
E. 22nd Str SBD	*	-4	0	-4	-150	* AG	11	1.2	0.0	10.0
F. 22nd Str SBL	*	-2	150	0	0	* AG	36	2.1	0.0	10.0
G. Westward EBA	*	-150	-2	0	-2	* AG	81	1.8	0.0	10.0
H. Westward EBD	*	0	-2	150	-2	* AG	111	1.2	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	* AG	19	2.1	0.0	10.0
J. Westward WBA	*	150	2	0	2	* AG	100	1.8	0.0	10.0
K. Westward WBD	*	0	2	-150	2	* AG	81	1.2	0.0	10.0
L. Westward WBL	*	150	2	0	0	* AG	1	2.1	0.0	10.0
M. 22nd St NBAX	*	2	-750	2	-150	* AG	3	1.1	0.0	10.0
N. 22nd St NBDX	*	2	150	2	750	* AG	51	1.1	0.0	10.0
O. 22nd St SBAX	*	-4	750	-4	150	* AG	50	1.1	0.0	10.0
P. 22nd St SBDX	*	-4	-150	-4	-750	* AG	11	1.1	0.0	10.0
Q. Westwar EBAX	*	-750	-2	-150	-2	* AG	100	1.1	0.0	10.0
R. Westwar EBDX	*	150	-2	750	-2	* AG	111	1.1	0.0	10.0
S. Westwar WBAX	*	750	2	150	2	* AG	101	1.1	0.0	10.0
T. Westwar WBDX	*	-150	2	-750	2	* AG	81	1.1	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2022NP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-8	1.8
2. NW	*	-10	8	1.8
3. SW	*	-10	-8	1.8
4. NE	*	8	8	1.8
5. ES mdbl	*	150	-8	1.8
6. WN mdbl	*	-150	8	1.8
7. WS mdbl	*	-150	-8	1.8
8. EN mdbl	*	150	8	1.8
9. SE mdbl	*	8	-150	1.8
10. NW mdbl	*	-10	150	1.8
11. SW mdbl	*	-10	-150	1.8
12. NE mdbl	*	8	150	1.8
13. ES blk	*	600	-8	1.8
14. WN blk	*	-600	8	1.8
15. WS blk	*	-600	-8	1.8
16. EN blk	*	600	8	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-10	600	1.8
19. SW blk	*	-10	-600	1.8
20. NE blk	*	8	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2022NP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	276.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SW	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	264.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	276.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	358.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	171.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. SW mdbl	*	3.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	188.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	358.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	2.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	185.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 4

JOB: Rancho San Gorgonio Specific Plan

RUN: 2022NP-03 (WORST CASE ANGLE)

POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2022NP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. 8th Stre NBA	*	2	-150	2	0	* AG	387	1.7	0.0	10.0
B. 8th Stre NBD	*	2	0	2	150	* AG	550	1.2	0.0	10.0
C. 8th Stre NBL	*	2	-150	0	0	* AG	137	2.1	0.0	10.0
D. 8th Stre SBA	*	-2	150	-2	0	* AG	594	1.8	0.0	10.0
E. 8th Stre SBD	*	-2	0	-2	-150	* AG	280	1.2	0.0	10.0
F. 8th Stre SBL	*	-2	150	0	0	* AG	0	1.1	0.0	10.0
G. I-10 WB EBA	*	-150	0	0	0	* AG	0	1.1	0.0	10.0
H. I-10 WB EBD	*	0	0	150	0	* AG	0	1.1	0.0	10.0
I. I-10 WB EBL	*	-150	-2	0	0	* AG	0	1.1	0.0	10.0
J. I-10 WB WBA	*	150	2	0	2	* AG	163	2.0	0.0	10.0
K. I-10 WB WBD	*	0	2	-150	2	* AG	485	1.9	0.0	10.0
L. I-10 WB WBL	*	150	2	0	0	* AG	34	2.1	0.0	10.0
M. 8th Str NBAX	*	2	-750	2	-150	* AG	524	1.1	0.0	10.0
N. 8th Str NBDX	*	2	150	2	750	* AG	550	1.1	0.0	10.0
O. 8th Str SBAX	*	-2	750	-2	150	* AG	594	1.1	0.0	10.0
P. 8th Str SBDX	*	-2	-150	-2	-750	* AG	280	1.1	0.0	10.0
Q. I-10 WB EBAX	*	-750	0	-150	0	* AG	0	1.1	0.0	10.0
R. I-10 WB EBDX	*	150	0	750	0	* AG	0	1.1	0.0	10.0
S. I-10 WB WBAX	*	750	2	150	2	* AG	197	1.1	0.0	10.0
T. I-10 WB WBDX	*	-150	2	-750	2	* AG	485	1.1	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: Rancho San Gorgonio Specific Plan
RUN: 2022NP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-7	1.8
2. NW	*	-8	8	1.8
3. SW	*	-8	-7	1.8
4. NE	*	8	8	1.8
5. ES mdbl	*	150	-7	1.8
6. WN mdbl	*	-150	8	1.8
7. WS mdbl	*	-150	-7	1.8
8. EN mdbl	*	150	8	1.8
9. SE mdbl	*	8	-150	1.8
10. NW mdbl	*	-8	150	1.8
11. SW mdbl	*	-8	-150	1.8
12. NE mdbl	*	8	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	8	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	8	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	8	600	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: Rancho San Gorgonio Specific Plan
RUN: 2022NP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	353.	*	0.3	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
2. NW	*	172.	*	0.3	*	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
3. SW	*	7.	*	0.3	*	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.0
4. NE	*	263.	*	0.3	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
5. ES mdbl	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	98.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	81.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	354.	*	0.3	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	173.	*	0.3	*	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.0
11. SW mdbl	*	6.	*	0.2	*	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.3	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	174.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	5.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2022NP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2022NP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. 8th Stre NBA	*	2	-150	2	0	* AG	310	1.7	0.0	10.0
B. 8th Stre NBD	*	2	0	2	150	* AG	550	1.2	0.0	10.0
C. 8th Stre NBL	*	2	-150	0	0	* AG	0	1.1	0.0	10.0
D. 8th Stre SBA	*	-2	150	-2	0	* AG	161	1.6	0.0	10.0
E. 8th Stre SBD	*	-2	0	-2	-150	* AG	300	1.2	0.0	10.0
F. 8th Stre SBL	*	-2	150	0	0	* AG	119	2.1	0.0	10.0
G. I-10 EB EBA	*	-150	-2	0	-2	* AG	139	2.0	0.0	10.0
H. I-10 EB EBD	*	0	-2	150	-2	* AG	147	1.3	0.0	10.0
I. I-10 EB EBL	*	-150	-2	0	0	* AG	268	2.1	0.0	10.0
J. I-10 EB WBA	*	150	0	0	0	* AG	0	1.1	0.0	10.0
K. I-10 EB WBD	*	0	0	-150	0	* AG	0	1.1	0.0	10.0
L. I-10 EB WBL	*	150	2	0	0	* AG	0	1.1	0.0	10.0
M. 8th Str NBAX	*	2	-750	2	-150	* AG	310	1.1	0.0	10.0
N. 8th Str NBDX	*	2	150	2	750	* AG	550	1.1	0.0	10.0
O. 8th Str SBAX	*	-2	750	-2	150	* AG	280	1.1	0.0	10.0
P. 8th Str SBDX	*	-2	-150	-2	-750	* AG	300	1.1	0.0	10.0
Q. I-10 EB EBAX	*	-750	-2	-150	-2	* AG	407	1.1	0.0	10.0
R. I-10 EB EBDX	*	150	-2	750	-2	* AG	147	1.1	0.0	10.0
S. I-10 EB WBAX	*	750	0	150	0	* AG	0	1.1	0.0	10.0
T. I-10 EB WBDX	*	-150	0	-750	0	* AG	0	1.1	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2022NP-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

		*	COORDINATES (M)		
RECEPTOR		*	X	Y	Z
		*	-----*		
1.	SE	*	8	-8	1.8
2.	NW	*	-8	7	1.8
3.	SW	*	-8	-8	1.8
4.	NE	*	8	7	1.8
5.	ES mdbl	*	150	-8	1.8
6.	WN mdbl	*	-150	7	1.8
7.	WS mdbl	*	-150	-8	1.8
8.	EN mdbl	*	150	7	1.8
9.	SE mdbl	*	8	-150	1.8
10.	NW mdbl	*	-8	150	1.8
11.	SW mdbl	*	-8	-150	1.8
12.	NE mdbl	*	8	150	1.8
13.	ES blk	*	600	-8	1.8
14.	WN blk	*	-600	7	1.8
15.	WS blk	*	-600	-8	1.8
16.	EN blk	*	600	7	1.8
17.	SE blk	*	8	-600	1.8
18.	NW blk	*	-8	600	1.8
19.	SW blk	*	-8	-600	1.8
20.	NE blk	*	8	600	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2022NP-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	354.	*	0.2	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	174.	*	0.2	*	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
3. SW	*	6.	*	0.2	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	263.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	273.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	98.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	81.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
8. EN mdbl	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	354.	*	0.2	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	174.	*	0.2	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
11. SW mdbl	*	5.	*	0.2	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.2	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	174.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 4

JOB: Rancho San Gorgonio Specific Plan

RUN: 2022NP-05 (WORST CASE ANGLE)

POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2022NP-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. 8th Stre NBA	*	2	-150	2	0	* AG	8	1.8	0.0	10.0
B. 8th Stre NBD	*	2	0	2	150	* AG	80	1.2	0.0	10.0
C. 8th Stre NBL	*	2	-150	0	0	* AG	2	2.1	0.0	10.0
D. 8th Stre SBA	*	-2	150	-2	0	* AG	25	1.8	0.0	10.0
E. 8th Stre SBD	*	-2	0	-2	-150	* AG	9	1.2	0.0	10.0
F. 8th Stre SBL	*	-2	150	0	0	* AG	55	2.1	0.0	10.0
G. Westward EBA	*	-150	-2	0	-2	* AG	72	1.8	0.0	10.0
H. Westward EBD	*	0	-2	150	-2	* AG	130	1.2	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	* AG	18	2.1	0.0	10.0
J. Westward WBA	*	150	2	0	2	* AG	145	1.8	0.0	10.0
K. Westward WBD	*	0	2	-150	2	* AG	110	1.2	0.0	10.0
L. Westward WBL	*	150	2	0	0	* AG	4	2.1	0.0	10.0
M. 8th Str NBAX	*	2	-750	2	-150	* AG	10	1.1	0.0	10.0
N. 8th Str NBDX	*	2	150	2	750	* AG	80	1.1	0.0	10.0
O. 8th Str SBAX	*	-2	750	-2	150	* AG	80	1.1	0.0	10.0
P. 8th Str SBDX	*	-2	-150	-2	-750	* AG	9	1.1	0.0	10.0
Q. Westwar EBAX	*	-750	-2	-150	-2	* AG	90	1.1	0.0	10.0
R. Westwar EBDX	*	150	-2	750	-2	* AG	130	1.1	0.0	10.0
S. Westwar WBAX	*	750	2	150	2	* AG	149	1.1	0.0	10.0
T. Westwar WBDX	*	-150	2	-750	2	* AG	110	1.1	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2022NP-06 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-8	1.8
2. NW	*	-8	8	1.8
3. SW	*	-8	-8	1.8
4. NE	*	8	8	1.8
5. ES mdbl	*	150	-8	1.8
6. WN mdbl	*	-150	8	1.8
7. WS mdbl	*	-150	-8	1.8
8. EN mdbl	*	150	8	1.8
9. SE mdbl	*	8	-150	1.8
10. NW mdbl	*	-8	150	1.8
11. SW mdbl	*	-8	-150	1.8
12. NE mdbl	*	8	150	1.8
13. ES blk	*	600	-8	1.8
14. WN blk	*	-600	8	1.8
15. WS blk	*	-600	-8	1.8
16. EN blk	*	600	8	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	8	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2022NP-06 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SW	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	276.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	264.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	358.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	171.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. SW mdbl	*	2.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	188.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	358.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	3.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	185.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 4

JOB: Rancho San Gorgonio Specific Plan

RUN: 2022NP-06 (WORST CASE ANGLE)

POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2022NP-07 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. San Gorg NBA	*	5	-150	5	0	* AG	90	1.6	0.0	10.0
B. San Gorg NBD	*	5	0	5	150	* AG	130	1.2	0.0	10.0
C. San Gorg NBL	*	5	-150	0	0	* AG	33	2.1	0.0	10.0
D. San Gorg SBA	*	-2	150	-2	0	* AG	175	1.6	0.0	10.0
E. San Gorg SBD	*	-2	0	-2	-150	* AG	160	1.2	0.0	10.0
F. San Gorg SBL	*	-2	150	0	0	* AG	0	1.1	0.0	10.0
G. Westward EBA	*	-150	0	0	0	* AG	62	2.0	0.0	10.0
H. Westward EBD	*	0	0	150	0	* AG	0	1.1	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	* AG	40	2.1	0.0	10.0
J. Westward WBA	*	150	0	0	0	* AG	0	1.1	0.0	10.0
K. Westward WBD	*	0	0	-150	0	* AG	110	1.3	0.0	10.0
L. Westward WBL	*	150	2	0	0	* AG	0	1.1	0.0	10.0
M. San Gor NBAX	*	5	-750	5	-150	* AG	123	1.1	0.0	10.0
N. San Gor NBDX	*	5	150	5	750	* AG	130	1.1	0.0	10.0
O. San Gor SBAX	*	-2	750	-2	150	* AG	175	1.1	0.0	10.0
P. San Gor SBDX	*	-2	-150	-2	-750	* AG	160	1.1	0.0	10.0
Q. Westwar EBAX	*	-750	0	-150	0	* AG	102	1.1	0.0	10.0
R. Westwar EBDX	*	150	0	750	0	* AG	0	1.1	0.0	10.0
S. Westwar WBAX	*	750	0	150	0	* AG	0	1.1	0.0	10.0
T. Westwar WBDX	*	-150	0	-750	0	* AG	110	1.1	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2022NP-07 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	12	-7	1.8
2. NW	*	-8	7	1.8
3. SW	*	-8	-7	1.8
4. NE	*	12	7	1.8
5. ES mdbl	*	150	-7	1.8
6. WN mdbl	*	-150	7	1.8
7. WS mdbl	*	-150	-7	1.8
8. EN mdbl	*	150	7	1.8
9. SE mdbl	*	12	-150	1.8
10. NW mdbl	*	-8	150	1.8
11. SW mdbl	*	-8	-150	1.8
12. NE mdbl	*	12	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	12	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	12	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2022NP-07 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	173.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SW	*	6.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	271.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	98.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	82.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	269.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	353.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	175.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. SW mdbl	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	270.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	269.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2022NP-07 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2022wP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*			EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	*	TYPE	VPH	(G/MI)	(M)	(M)
A. Sunset A NBA	*	2	-150	2	0	*	AG	333	1.7	0.0	10.0
B. Sunset A NBD	*	2	0	2	150	*	AG	543	1.2	0.0	10.0
C. Sunset A NBL	*	2	-150	0	0	*	AG	0	1.1	0.0	10.0
D. Sunset A SBA	*	-2	150	-2	0	*	AG	306	1.7	0.0	10.0
E. Sunset A SBD	*	-2	0	-2	-150	*	AG	414	1.2	0.0	10.0
F. Sunset A SBL	*	-2	150	0	0	*	AG	115	2.1	0.0	10.0
G. I-10 EB EBA	*	-150	-2	0	-2	*	AG	108	2.0	0.0	10.0
H. I-10 EB EBD	*	0	-2	150	-2	*	AG	136	1.3	0.0	10.0
I. I-10 EB EBL	*	-150	-2	0	0	*	AG	231	2.1	0.0	10.0
J. I-10 EB WBA	*	150	0	0	0	*	AG	0	1.1	0.0	10.0
K. I-10 EB WBD	*	0	0	-150	0	*	AG	0	1.1	0.0	10.0
L. I-10 EB WBL	*	150	2	0	0	*	AG	0	1.1	0.0	10.0
M. Sunset NBAX	*	2	-750	2	-150	*	AG	333	1.1	0.0	10.0
N. Sunset NBDX	*	2	150	2	750	*	AG	543	1.1	0.0	10.0
O. Sunset SBAX	*	-2	750	-2	150	*	AG	421	1.1	0.0	10.0
P. Sunset SBDX	*	-2	-150	-2	-750	*	AG	414	1.1	0.0	10.0
Q. I-10 EB EBAX	*	-750	-2	-150	-2	*	AG	339	1.1	0.0	10.0
R. I-10 EB EBDX	*	150	-2	750	-2	*	AG	136	1.1	0.0	10.0
S. I-10 EB WBAX	*	750	0	150	0	*	AG	0	1.1	0.0	10.0
T. I-10 EB WBDX	*	-150	0	-750	0	*	AG	0	1.1	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2022wP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

		*	COORDINATES (M)		
RECEPTOR		*	X	Y	Z
		*	-----*		
1.	SE	*	8	-8	1.8
2.	NW	*	-8	7	1.8
3.	SW	*	-8	-8	1.8
4.	NE	*	8	7	1.8
5.	ES mdbl	*	150	-8	1.8
6.	WN mdbl	*	-150	7	1.8
7.	WS mdbl	*	-150	-8	1.8
8.	EN mdbl	*	150	7	1.8
9.	SE mdbl	*	8	-150	1.8
10.	NW mdbl	*	-8	150	1.8
11.	SW mdbl	*	-8	-150	1.8
12.	NE mdbl	*	8	150	1.8
13.	ES blk	*	600	-8	1.8
14.	WN blk	*	-600	7	1.8
15.	WS blk	*	-600	-8	1.8
16.	EN blk	*	600	7	1.8
17.	SE blk	*	8	-600	1.8
18.	NW blk	*	-8	600	1.8
19.	SW blk	*	-8	-600	1.8
20.	NE blk	*	8	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2022wP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	353.	*	0.2	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
2. NW	*	7.	*	0.2	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
3. SW	*	7.	*	0.3	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
4. NE	*	353.	*	0.2	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
5. ES mdbl	*	273.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	98.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	81.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	354.	*	0.2	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	173.	*	0.2	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
11. SW mdbl	*	5.	*	0.2	*	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.2	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	267.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	174.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	5.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

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JOB: Rancho San Gorgonio Specific Plan

RUN: 2022wP-01 (WORST CASE ANGLE)

POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2022wP-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. Sunset A NBA	*	2	-150	2	0	* AG	37	1.6	0.0	10.0
B. Sunset A NBD	*	2	0	2	150	* AG	199	1.2	0.0	10.0
C. Sunset A NBL	*	2	-150	0	0	* AG	0	1.1	0.0	10.0
D. Sunset A SBA	*	-2	150	-2	0	* AG	20	1.6	0.0	10.0
E. Sunset A SBD	*	-2	0	-2	-150	* AG	21	1.2	0.0	10.0
F. Sunset A SBL	*	-2	150	0	0	* AG	213	2.1	0.0	10.0
G. Westward EBA	*	-150	0	0	0	* AG	0	1.1	0.0	10.0
H. Westward EBD	*	0	0	150	0	* AG	214	1.3	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	* AG	0	1.1	0.0	10.0
J. Westward WBA	*	150	0	0	0	* AG	163	2.0	0.0	10.0
K. Westward WBD	*	0	0	-150	0	* AG	0	1.1	0.0	10.0
L. Westward WBL	*	150	2	0	0	* AG	1	2.1	0.0	10.0
M. Sunset NBAX	*	2	-750	2	-150	* AG	37	1.1	0.0	10.0
N. Sunset NBDX	*	2	150	2	750	* AG	199	1.1	0.0	10.0
O. Sunset SBAX	*	-2	750	-2	150	* AG	233	1.1	0.0	10.0
P. Sunset SBDX	*	-2	-150	-2	-750	* AG	21	1.1	0.0	10.0
Q. Westwar EBAX	*	-750	0	-150	0	* AG	0	1.1	0.0	10.0
R. Westwar EBDX	*	150	0	750	0	* AG	214	1.1	0.0	10.0
S. Westwar WBAX	*	750	0	150	0	* AG	164	1.1	0.0	10.0
T. Westwar WBDX	*	-150	0	-750	0	* AG	0	1.1	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2022wP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

		*	COORDINATES (M)		
RECEPTOR		*	X	Y	Z
		*	-----*		
1.	SE	*	8	-7	1.8
2.	NW	*	-8	7	1.8
3.	SW	*	-8	-7	1.8
4.	NE	*	8	7	1.8
5.	ES mdbl k	*	150	-7	1.8
6.	WN mdbl k	*	-150	7	1.8
7.	WS mdbl k	*	-150	-7	1.8
8.	EN mdbl k	*	150	7	1.8
9.	SE mdbl k	*	8	-150	1.8
10.	NW mdbl k	*	-8	150	1.8
11.	SW mdbl k	*	-8	-150	1.8
12.	NE mdbl k	*	8	150	1.8
13.	ES blk	*	600	-7	1.8
14.	WN blk	*	-600	7	1.8
15.	WS blk	*	-600	-7	1.8
16.	EN blk	*	600	7	1.8
17.	SE blk	*	8	-600	1.8
18.	NW blk	*	-8	600	1.8
19.	SW blk	*	-8	-600	1.8
20.	NE blk	*	8	600	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2022wP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	353.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
2. NW	*	96.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SW	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	353.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
5. ES mdbl	*	279.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	91.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	88.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	262.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	358.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	171.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
11. SW mdbl	*	3.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	188.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
13. ES blk	*	276.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	88.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	87.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	358.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	174.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	4.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	185.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2022wP-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2022wP-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*			EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	*	TYPE	VPH	(G/MI)	(M)	(M)
A. 22nd Str NBA	*	2	-150	2	0	*	AG	115	1.8	0.0	10.0
B. 22nd Str NBD	*	2	0	2	150	*	AG	155	1.2	0.0	10.0
C. 22nd Str NBL	*	2	-150	0	0	*	AG	67	2.1	0.0	10.0
D. 22nd Str SBA	*	-5	150	-5	0	*	AG	193	1.8	0.0	10.0
E. 22nd Str SBD	*	-5	0	-5	-150	*	AG	318	1.2	0.0	10.0
F. 22nd Str SBL	*	-5	150	0	0	*	AG	36	2.1	0.0	10.0
G. Westward EBA	*	-150	-2	0	-2	*	AG	214	1.8	0.0	10.0
H. Westward EBD	*	0	-2	150	-2	*	AG	141	1.2	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	*	AG	19	2.1	0.0	10.0
J. Westward WBA	*	150	2	0	2	*	AG	113	1.8	0.0	10.0
K. Westward WBD	*	0	2	-150	2	*	AG	160	1.2	0.0	10.0
L. Westward WBL	*	150	2	0	0	*	AG	17	2.1	0.0	10.0
M. 22nd St NBAX	*	2	-750	2	-150	*	AG	182	1.1	0.0	10.0
N. 22nd St NBDX	*	2	150	2	750	*	AG	155	1.1	0.0	10.0
O. 22nd St SBAX	*	-5	750	-5	150	*	AG	229	1.1	0.0	10.0
P. 22nd St SBDX	*	-5	-150	-5	-750	*	AG	318	1.1	0.0	10.0
Q. Westwar EBAX	*	-750	-2	-150	-2	*	AG	233	1.1	0.0	10.0
R. Westwar EBDX	*	150	-2	750	-2	*	AG	141	1.1	0.0	10.0
S. Westwar WBAX	*	750	2	150	2	*	AG	130	1.1	0.0	10.0
T. Westwar WBDX	*	-150	2	-750	2	*	AG	160	1.1	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2022wP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*			
1. SE	*	8	-8	1.8
2. NW	*	-12	8	1.8
3. SW	*	-12	-8	1.8
4. NE	*	8	8	1.8
5. ES mdbl	*	150	-8	1.8
6. WN mdbl	*	-150	8	1.8
7. WS mdbl	*	-150	-8	1.8
8. EN mdbl	*	150	8	1.8
9. SE mdbl	*	8	-150	1.8
10. NW mdbl	*	-12	150	1.8
11. SW mdbl	*	-12	-150	1.8
12. NE mdbl	*	8	150	1.8
13. ES blk	*	600	-8	1.8
14. WN blk	*	-600	8	1.8
15. WS blk	*	-600	-8	1.8
16. EN blk	*	600	8	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-12	600	1.8
19. SW blk	*	-12	-600	1.8
20. NE blk	*	8	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2022wP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	276.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
2. NW	*	173.	*	0.2	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
3. SW	*	7.	*	0.1	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
4. NE	*	187.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
8. EN mdbl	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	353.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	174.	*	0.1	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
11. SW mdbl	*	6.	*	0.1	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	*	186.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	185.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 4

JOB: Rancho San Gorgonio Specific Plan

RUN: 2022wP-03 (WORST CASE ANGLE)

POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2022wP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. 8th Stre NBA	*	5	-150	5	0	* AG	451	1.8	0.0	10.0
B. 8th Stre NBD	*	5	0	5	150	* AG	614	1.2	0.0	10.0
C. 8th Stre NBL	*	5	-150	0	0	* AG	168	2.1	0.0	10.0
D. 8th Stre SBA	*	-2	150	-2	0	* AG	690	1.9	0.0	10.0
E. 8th Stre SBD	*	-2	0	-2	-150	* AG	434	1.2	0.0	10.0
F. 8th Stre SBL	*	-2	150	0	0	* AG	0	1.1	0.0	10.0
G. I-10 WB EBA	*	-150	0	0	0	* AG	0	1.1	0.0	10.0
H. I-10 WB EBD	*	0	0	150	0	* AG	0	1.1	0.0	10.0
I. I-10 WB EBL	*	-150	-2	0	0	* AG	0	1.1	0.0	10.0
J. I-10 WB WBA	*	150	2	0	2	* AG	163	2.0	0.0	10.0
K. I-10 WB WBD	*	0	2	-150	2	* AG	516	2.1	0.0	10.0
L. I-10 WB WBL	*	150	2	0	0	* AG	92	2.1	0.0	10.0
M. 8th Str NBAX	*	5	-750	5	-150	* AG	619	1.1	0.0	10.0
N. 8th Str NBDX	*	5	150	5	750	* AG	614	1.1	0.0	10.0
O. 8th Str SBAX	*	-2	750	-2	150	* AG	690	1.1	0.0	10.0
P. 8th Str SBDX	*	-2	-150	-2	-750	* AG	434	1.1	0.0	10.0
Q. I-10 WB EBAX	*	-750	0	-150	0	* AG	0	1.1	0.0	10.0
R. I-10 WB EBDX	*	150	0	750	0	* AG	0	1.1	0.0	10.0
S. I-10 WB WBAX	*	750	2	150	2	* AG	255	1.1	0.0	10.0
T. I-10 WB WBDX	*	-150	2	-750	2	* AG	516	1.1	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: Rancho San Gorgonio Specific Plan
RUN: 2022wP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	12	-7	1.8
2. NW	*	-8	8	1.8
3. SW	*	-8	-7	1.8
4. NE	*	12	8	1.8
5. ES mdbl	*	150	-7	1.8
6. WN mdbl	*	-150	8	1.8
7. WS mdbl	*	-150	-7	1.8
8. EN mdbl	*	150	8	1.8
9. SE mdbl	*	12	-150	1.8
10. NW mdbl	*	-8	150	1.8
11. SW mdbl	*	-8	-150	1.8
12. NE mdbl	*	12	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	8	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	8	1.8
17. SE blk	*	12	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	12	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: Rancho San Gorgonio Specific Plan
RUN: 2022wP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	352.	*	0.3	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
2. NW	*	171.	*	0.3	*	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0
3. SW	*	7.	*	0.4	*	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.0
4. NE	*	263.	*	0.3	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
5. ES mdbl	*	276.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	98.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	82.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	265.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	353.	*	0.3	*	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	173.	*	0.3	*	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
11. SW mdbl	*	6.	*	0.3	*	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.3	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	266.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	174.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	6.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2022wP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2022wP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. 8th Stre NBA	*	2	-150	2	0	* AG	441	1.8	0.0	10.0
B. 8th Stre NBD	*	2	0	2	150	* AG	645	1.2	0.0	10.0
C. 8th Stre NBL	*	2	-150	0	0	* AG	0	1.1	0.0	10.0
D. 8th Stre SBA	*	-5	150	-5	0	* AG	315	1.7	0.0	10.0
E. 8th Stre SBD	*	-5	0	-5	-150	* AG	506	1.2	0.0	10.0
F. 8th Stre SBL	*	-5	150	0	0	* AG	119	2.1	0.0	10.0
G. I-10 EB EBA	*	-150	-2	0	-2	* AG	191	2.0	0.0	10.0
H. I-10 EB EBD	*	0	-2	150	-2	* AG	183	1.3	0.0	10.0
I. I-10 EB EBL	*	-150	-2	0	0	* AG	268	2.1	0.0	10.0
J. I-10 EB WBA	*	150	0	0	0	* AG	0	1.1	0.0	10.0
K. I-10 EB WBD	*	0	0	-150	0	* AG	0	1.1	0.0	10.0
L. I-10 EB WBL	*	150	2	0	0	* AG	0	1.1	0.0	10.0
M. 8th Str NBAX	*	2	-750	2	-150	* AG	441	1.1	0.0	10.0
N. 8th Str NBDX	*	2	150	2	750	* AG	645	1.1	0.0	10.0
O. 8th Str SBAX	*	-5	750	-5	150	* AG	434	1.1	0.0	10.0
P. 8th Str SBDX	*	-5	-150	-5	-750	* AG	506	1.1	0.0	10.0
Q. I-10 EB EBAX	*	-750	-2	-150	-2	* AG	459	1.1	0.0	10.0
R. I-10 EB EBDX	*	150	-2	750	-2	* AG	183	1.1	0.0	10.0
S. I-10 EB WBAX	*	750	0	150	0	* AG	0	1.1	0.0	10.0
T. I-10 EB WBDX	*	-150	0	-750	0	* AG	0	1.1	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2022wP-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-8	1.8
2. NW	*	-12	7	1.8
3. SW	*	-12	-8	1.8
4. NE	*	8	7	1.8
5. ES mdbl	*	150	-8	1.8
6. WN mdbl	*	-150	7	1.8
7. WS mdbl	*	-150	-8	1.8
8. EN mdbl	*	150	7	1.8
9. SE mdbl	*	8	-150	1.8
10. NW mdbl	*	-12	150	1.8
11. SW mdbl	*	-12	-150	1.8
12. NE mdbl	*	8	150	1.8
13. ES blk	*	600	-8	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-8	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-12	600	1.8
19. SW blk	*	-12	-600	1.8
20. NE blk	*	8	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2022wP-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	353.	*	0.3	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	173.	*	0.3	*	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
3. SW	*	7.	*	0.3	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
4. NE	*	263.	*	0.3	*	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0
5. ES mdbl	*	273.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	98.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
7. WS mdbl	*	81.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
8. EN mdbl	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	353.	*	0.2	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	173.	*	0.2	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
11. SW mdbl	*	6.	*	0.2	*	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.2	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	174.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	6.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2022wP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2022wP-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. 8th Stre NBA	*	2	-150	2	0	* AG	155	1.8	0.0	10.0
B. 8th Stre NBD	*	2	0	2	150	* AG	224	1.2	0.0	10.0
C. 8th Stre NBL	*	2	-150	0	0	* AG	31	2.1	0.0	10.0
D. 8th Stre SBA	*	-2	150	-2	0	* AG	283	1.8	0.0	10.0
E. 8th Stre SBD	*	-2	0	-2	-150	* AG	286	1.2	0.0	10.0
F. 8th Stre SBL	*	-2	150	0	0	* AG	55	2.1	0.0	10.0
G. Westward EBA	*	-150	-2	0	-2	* AG	117	1.8	0.0	10.0
H. Westward EBD	*	0	-2	150	-2	* AG	135	1.2	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	* AG	20	2.1	0.0	10.0
J. Westward WBA	*	150	5	0	5	* AG	145	1.8	0.0	10.0
K. Westward WBD	*	0	5	-150	5	* AG	173	1.2	0.0	10.0
L. Westward WBL	*	150	5	0	0	* AG	12	2.1	0.0	10.0
M. 8th Str NBAX	*	2	-750	2	-150	* AG	186	1.1	0.0	10.0
N. 8th Str NBDX	*	2	150	2	750	* AG	224	1.1	0.0	10.0
O. 8th Str SBAX	*	-2	750	-2	150	* AG	338	1.1	0.0	10.0
P. 8th Str SBDX	*	-2	-150	-2	-750	* AG	286	1.1	0.0	10.0
Q. Westwar EBAX	*	-750	-2	-150	-2	* AG	137	1.1	0.0	10.0
R. Westwar EBDX	*	150	-2	750	-2	* AG	135	1.1	0.0	10.0
S. Westwar WBAX	*	750	5	150	5	* AG	157	1.1	0.0	10.0
T. Westwar WBDX	*	-150	5	-750	5	* AG	173	1.1	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2022wP-06 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-8	1.8
2. NW	*	-8	12	1.8
3. SW	*	-8	-8	1.8
4. NE	*	8	12	1.8
5. ES mdbl	*	150	-8	1.8
6. WN mdbl	*	-150	12	1.8
7. WS mdbl	*	-150	-8	1.8
8. EN mdbl	*	150	12	1.8
9. SE mdbl	*	8	-150	1.8
10. NW mdbl	*	-8	150	1.8
11. SW mdbl	*	-8	-150	1.8
12. NE mdbl	*	8	150	1.8
13. ES blk	*	600	-8	1.8
14. WN blk	*	-600	12	1.8
15. WS blk	*	-600	-8	1.8
16. EN blk	*	600	12	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	8	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2022wP-06 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	353.	*	0.2	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
2. NW	*	173.	*	0.2	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
3. SW	*	6.	*	0.2	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
4. NE	*	186.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	276.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	264.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	174.	*	0.2	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
11. SW mdbl	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	*	186.	*	0.2	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	355.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	185.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 4

JOB: Rancho San Gorgonio Specific Plan

RUN: 2022wP-06 (WORST CASE ANGLE)

POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2022wP-07 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*			EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	*	TYPE	VPH	(G/MI)	(M)	(M)
A. San Gorg NBA	*	5	-150	5	0	*	AG	90	1.6	0.0	10.0
B. San Gorg NBD	*	5	0	5	150	*	AG	132	1.2	0.0	10.0
C. San Gorg NBL	*	5	-150	0	0	*	AG	38	2.1	0.0	10.0
D. San Gorg SBA	*	-2	150	-2	0	*	AG	178	1.6	0.0	10.0
E. San Gorg SBD	*	-2	0	-2	-150	*	AG	163	1.2	0.0	10.0
F. San Gorg SBL	*	-2	150	0	0	*	AG	0	1.1	0.0	10.0
G. Westward EBA	*	-150	0	0	0	*	AG	65	2.0	0.0	10.0
H. Westward EBD	*	0	0	150	0	*	AG	0	1.1	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	*	AG	42	2.1	0.0	10.0
J. Westward WBA	*	150	0	0	0	*	AG	0	1.1	0.0	10.0
K. Westward WBD	*	0	0	-150	0	*	AG	118	1.3	0.0	10.0
L. Westward WBL	*	150	2	0	0	*	AG	0	1.1	0.0	10.0
M. San Gor NBAX	*	5	-750	5	-150	*	AG	128	1.1	0.0	10.0
N. San Gor NBDX	*	5	150	5	750	*	AG	132	1.1	0.0	10.0
O. San Gor SBAX	*	-2	750	-2	150	*	AG	178	1.1	0.0	10.0
P. San Gor SBDX	*	-2	-150	-2	-750	*	AG	163	1.1	0.0	10.0
Q. Westwar EBAX	*	-750	0	-150	0	*	AG	107	1.1	0.0	10.0
R. Westwar EBDX	*	150	0	750	0	*	AG	0	1.1	0.0	10.0
S. Westwar WBAX	*	750	0	150	0	*	AG	0	1.1	0.0	10.0
T. Westwar WBDX	*	-150	0	-750	0	*	AG	118	1.1	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2022wP-07 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	12	-7	1.8
2. NW	*	-8	7	1.8
3. SW	*	-8	-7	1.8
4. NE	*	12	7	1.8
5. ES mdbl k	*	150	-7	1.8
6. WN mdbl k	*	-150	7	1.8
7. WS mdbl k	*	-150	-7	1.8
8. EN mdbl k	*	150	7	1.8
9. SE mdbl k	*	12	-150	1.8
10. NW mdbl k	*	-8	150	1.8
11. SW mdbl k	*	-8	-150	1.8
12. NE mdbl k	*	12	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	12	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	12	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2022wP-07 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	173.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SW	*	6.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	271.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	98.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	82.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	269.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	353.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	175.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. SW mdbl	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	270.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	269.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2022wP-07 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2025NP-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)	*	EF	H	W
DESCRIPTION	*	X1 Y1 X2 Y2	* TYPE	VPH (G/MI)	(M)	(M)
A. Sunset A NBA	*	2 -150 2 0	* AG	301 1.3	0.0	10.0
B. Sunset A NBD	*	2 0 2 150	* AG	520 1.0	0.0	10.0
C. Sunset A NBL	*	2 -150 0 0	* AG	0 0.9	0.0	10.0
D. Sunset A SBA	*	-2 150 -2 0	* AG	243 1.3	0.0	10.0
E. Sunset A SBD	*	-2 0 -2 -150	* AG	330 0.9	0.0	10.0
F. Sunset A SBL	*	-2 150 0 0	* AG	116 1.6	0.0	10.0
G. I-10 EB EBA	*	-150 -2 0 -2	* AG	90 1.5	0.0	10.0
H. I-10 EB EBD	*	0 -2 150 -2	* AG	140 1.0	0.0	10.0
I. I-10 EB EBL	*	-150 -2 0 0	* AG	240 1.6	0.0	10.0
J. I-10 EB WBA	*	150 0 0 0	* AG	0 0.9	0.0	10.0
K. I-10 EB WBD	*	0 0 -150 0	* AG	0 0.9	0.0	10.0
L. I-10 EB WBL	*	150 2 0 0	* AG	0 0.9	0.0	10.0
M. Sunset NBAX	*	2 -750 2 -150	* AG	301 0.9	0.0	10.0
N. Sunset NBDX	*	2 150 2 750	* AG	520 0.9	0.0	10.0
O. Sunset SBAX	*	-2 750 -2 150	* AG	359 0.9	0.0	10.0
P. Sunset SBDX	*	-2 -150 -2 -750	* AG	330 0.9	0.0	10.0
Q. I-10 EB EBAX	*	-750 -2 -150 -2	* AG	330 0.9	0.0	10.0
R. I-10 EB EBDX	*	150 -2 750 -2	* AG	140 0.9	0.0	10.0
S. I-10 EB WBAX	*	750 0 150 0	* AG	0 0.9	0.0	10.0
T. I-10 EB WBDX	*	-150 0 -750 0	* AG	0 0.9	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2025NP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

		*	COORDINATES (M)		
RECEPTOR		*	X	Y	Z
		*	-----*		
1.	SE	*	8	-8	1.8
2.	NW	*	-8	7	1.8
3.	SW	*	-8	-8	1.8
4.	NE	*	8	7	1.8
5.	ES mdbl	*	150	-8	1.8
6.	WN mdbl	*	-150	7	1.8
7.	WS mdbl	*	-150	-8	1.8
8.	EN mdbl	*	150	7	1.8
9.	SE mdbl	*	8	-150	1.8
10.	NW mdbl	*	-8	150	1.8
11.	SW mdbl	*	-8	-150	1.8
12.	NE mdbl	*	8	150	1.8
13.	ES blk	*	600	-8	1.8
14.	WN blk	*	-600	7	1.8
15.	WS blk	*	-600	-8	1.8
16.	EN blk	*	600	7	1.8
17.	SE blk	*	8	-600	1.8
18.	NW blk	*	-8	600	1.8
19.	SW blk	*	-8	-600	1.8
20.	NE blk	*	8	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2025NP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	353.	*	0.2	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	7.	*	0.2	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
3. SW	*	6.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	353.	*	0.2	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	274.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	98.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	81.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	354.	*	0.1	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	173.	*	0.2	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
11. SW mdbl	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.2	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	267.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	174.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2025NP-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2025NP-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. Sunset A NBA	*	2	-150	2	0	* AG	38	1.3	0.0	10.0
B. Sunset A NBD	*	2	0	2	150	* AG	140	0.9	0.0	10.0
C. Sunset A NBL	*	2	-150	0	0	* AG	0	0.9	0.0	10.0
D. Sunset A SBA	*	-2	150	-2	0	* AG	20	1.3	0.0	10.0
E. Sunset A SBD	*	-2	0	-2	-150	* AG	21	0.9	0.0	10.0
F. Sunset A SBL	*	-2	150	0	0	* AG	90	1.6	0.0	10.0
G. Westward EBA	*	-150	0	0	0	* AG	0	0.9	0.0	10.0
H. Westward EBD	*	0	0	150	0	* AG	90	1.0	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	* AG	0	0.9	0.0	10.0
J. Westward WBA	*	150	0	0	0	* AG	102	1.5	0.0	10.0
K. Westward WBD	*	0	0	-150	0	* AG	0	0.9	0.0	10.0
L. Westward WBL	*	150	2	0	0	* AG	1	1.6	0.0	10.0
M. Sunset NBAX	*	2	-750	2	-150	* AG	38	0.9	0.0	10.0
N. Sunset NBDX	*	2	150	2	750	* AG	140	0.9	0.0	10.0
O. Sunset SBAX	*	-2	750	-2	150	* AG	110	0.9	0.0	10.0
P. Sunset SBDX	*	-2	-150	-2	-750	* AG	21	0.9	0.0	10.0
Q. Westwar EBAX	*	-750	0	-150	0	* AG	0	0.9	0.0	10.0
R. Westwar EBDX	*	150	0	750	0	* AG	90	0.9	0.0	10.0
S. Westwar WBAX	*	750	0	150	0	* AG	103	0.9	0.0	10.0
T. Westwar WBDX	*	-150	0	-750	0	* AG	0	0.9	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2025NP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

		*	COORDINATES (M)		
RECEPTOR		*	X	Y	Z
		*	-----*		
1.	SE	*	8	-7	1.8
2.	NW	*	-8	7	1.8
3.	SW	*	-8	-7	1.8
4.	NE	*	8	7	1.8
5.	ES mdbl	*	150	-7	1.8
6.	WN mdbl	*	-150	7	1.8
7.	WS mdbl	*	-150	-7	1.8
8.	EN mdbl	*	150	7	1.8
9.	SE mdbl	*	8	-150	1.8
10.	NW mdbl	*	-8	150	1.8
11.	SW mdbl	*	-8	-150	1.8
12.	NE mdbl	*	8	150	1.8
13.	ES blk	*	600	-7	1.8
14.	WN blk	*	-600	7	1.8
15.	WS blk	*	-600	-7	1.8
16.	EN blk	*	600	7	1.8
17.	SE blk	*	8	-600	1.8
18.	NW blk	*	-8	600	1.8
19.	SW blk	*	-8	-600	1.8
20.	NE blk	*	8	600	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2025NP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SW	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	279.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	91.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	88.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	262.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	358.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	172.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. SW mdbl	*	3.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	89.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	88.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	265.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	358.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	4.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	185.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2025NP-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2025NP-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. 22nd Str NBA	*	2	-150	2	0	* AG	2	1.4	0.0	10.0
B. 22nd Str NBD	*	2	0	2	150	* AG	61	1.0	0.0	10.0
C. 22nd Str NBL	*	2	-150	0	0	* AG	1	1.6	0.0	10.0
D. 22nd Str SBA	*	-4	150	-4	0	* AG	13	1.4	0.0	10.0
E. 22nd Str SBD	*	-4	0	-4	-150	* AG	11	1.0	0.0	10.0
F. 22nd Str SBL	*	-2	150	0	0	* AG	38	1.6	0.0	10.0
G. Westward EBA	*	-150	-2	0	-2	* AG	99	1.4	0.0	10.0
H. Westward EBD	*	0	-2	150	-2	* AG	131	1.0	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	* AG	21	1.6	0.0	10.0
J. Westward WBA	*	150	2	0	2	* AG	119	1.4	0.0	10.0
K. Westward WBD	*	0	2	-150	2	* AG	91	1.0	0.0	10.0
L. Westward WBL	*	150	2	0	0	* AG	1	1.6	0.0	10.0
M. 22nd St NBAX	*	2	-750	2	-150	* AG	3	0.9	0.0	10.0
N. 22nd St NBDX	*	2	150	2	750	* AG	61	0.9	0.0	10.0
O. 22nd St SBAX	*	-4	750	-4	150	* AG	51	0.9	0.0	10.0
P. 22nd St SBDX	*	-4	-150	-4	-750	* AG	11	0.9	0.0	10.0
Q. Westwar EBAX	*	-750	-2	-150	-2	* AG	120	0.9	0.0	10.0
R. Westwar EBDX	*	150	-2	750	-2	* AG	131	0.9	0.0	10.0
S. Westwar WBAX	*	750	2	150	2	* AG	120	0.9	0.0	10.0
T. Westwar WBDX	*	-150	2	-750	2	* AG	91	0.9	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: Rancho San Gorgonio Specific Plan
RUN: 2025NP-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-8	1.8
2. NW	*	-10	8	1.8
3. SW	*	-10	-8	1.8
4. NE	*	8	8	1.8
5. ES mdbl	*	150	-8	1.8
6. WN mdbl	*	-150	8	1.8
7. WS mdbl	*	-150	-8	1.8
8. EN mdbl	*	150	8	1.8
9. SE mdbl	*	8	-150	1.8
10. NW mdbl	*	-10	150	1.8
11. SW mdbl	*	-10	-150	1.8
12. NE mdbl	*	8	150	1.8
13. ES blk	*	600	-8	1.8
14. WN blk	*	-600	8	1.8
15. WS blk	*	-600	-8	1.8
16. EN blk	*	600	8	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-10	600	1.8
19. SW blk	*	-10	-600	1.8
20. NE blk	*	8	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: Rancho San Gorgonio Specific Plan
RUN: 2025NP-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SW	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	264.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	276.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	264.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	358.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	171.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. SW mdbl	*	3.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	188.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	85.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	358.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	2.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	185.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2025NP-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2025NP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. 8th Stre NBA	*	2	-150	2	0	* AG	377	1.3	0.0	10.0
B. 8th Stre NBD	*	2	0	2	150	* AG	550	1.0	0.0	10.0
C. 8th Stre NBL	*	2	-150	0	0	* AG	148	1.6	0.0	10.0
D. 8th Stre SBA	*	-2	150	-2	0	* AG	596	1.4	0.0	10.0
E. 8th Stre SBD	*	-2	0	-2	-150	* AG	290	0.9	0.0	10.0
F. 8th Stre SBL	*	-2	150	0	0	* AG	0	0.9	0.0	10.0
G. I-10 WB EBA	*	-150	0	0	0	* AG	0	0.9	0.0	10.0
H. I-10 WB EBD	*	0	0	150	0	* AG	0	0.9	0.0	10.0
I. I-10 WB EBL	*	-150	-2	0	0	* AG	0	0.9	0.0	10.0
J. I-10 WB WBA	*	150	2	0	2	* AG	178	1.5	0.0	10.0
K. I-10 WB WBD	*	0	2	-150	2	* AG	499	1.5	0.0	10.0
L. I-10 WB WBL	*	150	2	0	0	* AG	40	1.6	0.0	10.0
M. 8th Str NBAX	*	2	-750	2	-150	* AG	525	0.9	0.0	10.0
N. 8th Str NBDX	*	2	150	2	750	* AG	550	0.9	0.0	10.0
O. 8th Str SBAX	*	-2	750	-2	150	* AG	596	0.9	0.0	10.0
P. 8th Str SBDX	*	-2	-150	-2	-750	* AG	290	0.9	0.0	10.0
Q. I-10 WB EBAX	*	-750	0	-150	0	* AG	0	0.9	0.0	10.0
R. I-10 WB EBDX	*	150	0	750	0	* AG	0	0.9	0.0	10.0
S. I-10 WB WBAX	*	750	2	150	2	* AG	218	0.9	0.0	10.0
T. I-10 WB WBDX	*	-150	2	-750	2	* AG	499	0.9	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2025NP-04 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-7	1.8
2. NW	*	-8	8	1.8
3. SW	*	-8	-7	1.8
4. NE	*	8	8	1.8
5. ES mdbl	*	150	-7	1.8
6. WN mdbl	*	-150	8	1.8
7. WS mdbl	*	-150	-7	1.8
8. EN mdbl	*	150	8	1.8
9. SE mdbl	*	8	-150	1.8
10. NW mdbl	*	-8	150	1.8
11. SW mdbl	*	-8	-150	1.8
12. NE mdbl	*	8	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	8	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	8	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	8	600	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2025NP-04 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	353.	*	0.2	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
2. NW	*	172.	*	0.2	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SW	*	7.	*	0.3	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
4. NE	*	263.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	97.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	81.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	354.	*	0.2	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	173.	*	0.2	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
11. SW mdbl	*	6.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.2	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	174.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2025NP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2025NP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. 8th Stre NBA	*	2	-150	2	0	* AG	320	1.3	0.0	10.0
B. 8th Stre NBD	*	2	0	2	150	* AG	570	1.0	0.0	10.0
C. 8th Stre NBL	*	2	-150	0	0	* AG	0	0.9	0.0	10.0
D. 8th Stre SBA	*	-2	150	-2	0	* AG	170	1.3	0.0	10.0
E. 8th Stre SBD	*	-2	0	-2	-150	* AG	310	0.9	0.0	10.0
F. 8th Stre SBL	*	-2	150	0	0	* AG	120	1.6	0.0	10.0
G. I-10 EB EBA	*	-150	-2	0	-2	* AG	143	1.5	0.0	10.0
H. I-10 EB EBD	*	0	-2	150	-2	* AG	150	1.0	0.0	10.0
I. I-10 EB EBL	*	-150	-2	0	0	* AG	277	1.6	0.0	10.0
J. I-10 EB WBA	*	150	0	0	0	* AG	0	0.9	0.0	10.0
K. I-10 EB WBD	*	0	0	-150	0	* AG	0	0.9	0.0	10.0
L. I-10 EB WBL	*	150	2	0	0	* AG	0	0.9	0.0	10.0
M. 8th Str NBAX	*	2	-750	2	-150	* AG	320	0.9	0.0	10.0
N. 8th Str NBDX	*	2	150	2	750	* AG	570	0.9	0.0	10.0
O. 8th Str SBAX	*	-2	750	-2	150	* AG	290	0.9	0.0	10.0
P. 8th Str SBDX	*	-2	-150	-2	-750	* AG	310	0.9	0.0	10.0
Q. I-10 EB EBAX	*	-750	-2	-150	-2	* AG	420	0.9	0.0	10.0
R. I-10 EB EBDX	*	150	-2	750	-2	* AG	150	0.9	0.0	10.0
S. I-10 EB WBAX	*	750	0	150	0	* AG	0	0.9	0.0	10.0
T. I-10 EB WBDX	*	-150	0	-750	0	* AG	0	0.9	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2025NP-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

		*	COORDINATES (M)		
RECEPTOR		*	X	Y	Z
		*	-----*		
1.	SE	*	8	-8	1.8
2.	NW	*	-8	7	1.8
3.	SW	*	-8	-8	1.8
4.	NE	*	8	7	1.8
5.	ES mdbl	*	150	-8	1.8
6.	WN mdbl	*	-150	7	1.8
7.	WS mdbl	*	-150	-8	1.8
8.	EN mdbl	*	150	7	1.8
9.	SE mdbl	*	8	-150	1.8
10.	NW mdbl	*	-8	150	1.8
11.	SW mdbl	*	-8	-150	1.8
12.	NE mdbl	*	8	150	1.8
13.	ES blk	*	600	-8	1.8
14.	WN blk	*	-600	7	1.8
15.	WS blk	*	-600	-8	1.8
16.	EN blk	*	600	7	1.8
17.	SE blk	*	8	-600	1.8
18.	NW blk	*	-8	600	1.8
19.	SW blk	*	-8	-600	1.8
20.	NE blk	*	8	600	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2025NP-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	354.	*	0.2	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	174.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SW	*	6.	*	0.2	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	263.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	273.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	98.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	81.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	354.	*	0.1	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	173.	*	0.2	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
11. SW mdbl	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.2	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	267.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	174.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2025NP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2025NP-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*			EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	*	TYPE	VPH	(G/MI)	(M)	(M)
A. 8th Stre NBA	*	2	-150	2	0	*	AG	9	1.4	0.0	10.0
B. 8th Stre NBD	*	2	0	2	150	*	AG	80	1.0	0.0	10.0
C. 8th Stre NBL	*	2	-150	0	0	*	AG	2	1.6	0.0	10.0
D. 8th Stre SBA	*	-2	150	-2	0	*	AG	26	1.4	0.0	10.0
E. 8th Stre SBD	*	-2	0	-2	-150	*	AG	20	1.0	0.0	10.0
F. 8th Stre SBL	*	-2	150	0	0	*	AG	54	1.6	0.0	10.0
G. Westward EBA	*	-150	-2	0	-2	*	AG	94	1.4	0.0	10.0
H. Westward EBD	*	0	-2	150	-2	*	AG	150	1.0	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	*	AG	17	1.6	0.0	10.0
J. Westward WBA	*	150	2	0	2	*	AG	168	1.4	0.0	10.0
K. Westward WBD	*	0	2	-150	2	*	AG	130	1.0	0.0	10.0
L. Westward WBL	*	150	2	0	0	*	AG	10	1.6	0.0	10.0
M. 8th Str NBAX	*	2	-750	2	-150	*	AG	11	0.9	0.0	10.0
N. 8th Str NBDX	*	2	150	2	750	*	AG	80	0.9	0.0	10.0
O. 8th Str SBAX	*	-2	750	-2	150	*	AG	80	0.9	0.0	10.0
P. 8th Str SBDX	*	-2	-150	-2	-750	*	AG	20	0.9	0.0	10.0
Q. Westwar EBAX	*	-750	-2	-150	-2	*	AG	111	0.9	0.0	10.0
R. Westwar EBDX	*	150	-2	750	-2	*	AG	150	0.9	0.0	10.0
S. Westwar WBAX	*	750	2	150	2	*	AG	178	0.9	0.0	10.0
T. Westwar WBDX	*	-150	2	-750	2	*	AG	130	0.9	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2025NP-06 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-8	1.8
2. NW	*	-8	8	1.8
3. SW	*	-8	-8	1.8
4. NE	*	8	8	1.8
5. ES mdbl	*	150	-8	1.8
6. WN mdbl	*	-150	8	1.8
7. WS mdbl	*	-150	-8	1.8
8. EN mdbl	*	150	8	1.8
9. SE mdbl	*	8	-150	1.8
10. NW mdbl	*	-8	150	1.8
11. SW mdbl	*	-8	-150	1.8
12. NE mdbl	*	8	150	1.8
13. ES blk	*	600	-8	1.8
14. WN blk	*	-600	8	1.8
15. WS blk	*	-600	-8	1.8
16. EN blk	*	600	8	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	8	600	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2025NP-06 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SW	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	276.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	264.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	358.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	172.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. SW mdbl	*	3.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	188.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	358.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	3.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	185.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2025NP-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2025NP-07 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*			EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	*	TYPE	VPH	(G/MI)	(M)	(M)
A. San Gorg NBA	*	5	-150	5	0	*	AG	86	1.3	0.0	10.0
B. San Gorg NBD	*	5	0	5	150	*	AG	130	0.9	0.0	10.0
C. San Gorg NBL	*	5	-150	0	0	*	AG	44	1.6	0.0	10.0
D. San Gorg SBA	*	-2	150	-2	0	*	AG	170	1.3	0.0	10.0
E. San Gorg SBD	*	-2	0	-2	-150	*	AG	160	0.9	0.0	10.0
F. San Gorg SBL	*	-2	150	0	0	*	AG	0	0.9	0.0	10.0
G. Westward EBA	*	-150	0	0	0	*	AG	76	1.5	0.0	10.0
H. Westward EBD	*	0	0	150	0	*	AG	0	0.9	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	*	AG	44	1.6	0.0	10.0
J. Westward WBA	*	150	0	0	0	*	AG	0	0.9	0.0	10.0
K. Westward WBD	*	0	0	-150	0	*	AG	130	1.0	0.0	10.0
L. Westward WBL	*	150	2	0	0	*	AG	0	0.9	0.0	10.0
M. San Gor NBAX	*	5	-750	5	-150	*	AG	130	0.9	0.0	10.0
N. San Gor NBDX	*	5	150	5	750	*	AG	130	0.9	0.0	10.0
O. San Gor SBAX	*	-2	750	-2	150	*	AG	170	0.9	0.0	10.0
P. San Gor SBDX	*	-2	-150	-2	-750	*	AG	160	0.9	0.0	10.0
Q. Westwar EBAX	*	-750	0	-150	0	*	AG	120	0.9	0.0	10.0
R. Westwar EBDX	*	150	0	750	0	*	AG	0	0.9	0.0	10.0
S. Westwar WBAX	*	750	0	150	0	*	AG	0	0.9	0.0	10.0
T. Westwar WBDX	*	-150	0	-750	0	*	AG	130	0.9	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2025NP-07 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

		*	COORDINATES (M)		
RECEPTOR		*	X	Y	Z
		*	-----*		
1.	SE	*	12	-7	1.8
2.	NW	*	-8	7	1.8
3.	SW	*	-8	-7	1.8
4.	NE	*	12	7	1.8
5.	ES mdbl	*	150	-7	1.8
6.	WN mdbl	*	-150	7	1.8
7.	WS mdbl	*	-150	-7	1.8
8.	EN mdbl	*	150	7	1.8
9.	SE mdbl	*	12	-150	1.8
10.	NW mdbl	*	-8	150	1.8
11.	SW mdbl	*	-8	-150	1.8
12.	NE mdbl	*	12	150	1.8
13.	ES blk	*	600	-7	1.8
14.	WN blk	*	-600	7	1.8
15.	WS blk	*	-600	-7	1.8
16.	EN blk	*	600	7	1.8
17.	SE blk	*	12	-600	1.8
18.	NW blk	*	-8	600	1.8
19.	SW blk	*	-8	-600	1.8
20.	NE blk	*	12	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2025NP-07 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	173.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SW	*	6.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	271.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	98.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	82.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	269.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	353.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	175.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. SW mdbl	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	186.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	270.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	269.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 4

JOB: Rancho San Gorgonio Specific Plan

RUN: 2025NP-07 (WORST CASE ANGLE)

POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2025wP-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)	*	EF	H	W
DESCRIPTION	*	X1 Y1 X2 Y2	* TYPE	VPH (G/MI)	(M)	(M)
A. Sunset A NBA	*	2 -150 2 0	* AG	455 1.3	0.0	10.0
B. Sunset A NBD	*	2 0 2 150	* AG	674 1.0	0.0	10.0
C. Sunset A NBL	*	2 -150 0 0	* AG	0 0.9	0.0	10.0
D. Sunset A SBA	*	-2 150 -2 0	* AG	425 1.3	0.0	10.0
E. Sunset A SBD	*	-2 0 -2 -150	* AG	574 1.0	0.0	10.0
F. Sunset A SBL	*	-2 150 0 0	* AG	116 1.6	0.0	10.0
G. I-10 EB EBA	*	-150 -2 0 -2	* AG	152 1.5	0.0	10.0
H. I-10 EB EBD	*	0 -2 150 -2	* AG	140 1.0	0.0	10.0
I. I-10 EB EBL	*	-150 -2 0 0	* AG	240 1.6	0.0	10.0
J. I-10 EB WBA	*	150 0 0 0	* AG	0 0.9	0.0	10.0
K. I-10 EB WBD	*	0 0 -150 0	* AG	0 0.9	0.0	10.0
L. I-10 EB WBL	*	150 2 0 0	* AG	0 0.9	0.0	10.0
M. Sunset NBAX	*	2 -750 2 -150	* AG	455 0.9	0.0	10.0
N. Sunset NBDX	*	2 150 2 750	* AG	674 0.9	0.0	10.0
O. Sunset SBAX	*	-2 750 -2 150	* AG	541 0.9	0.0	10.0
P. Sunset SBDX	*	-2 -150 -2 -750	* AG	574 0.9	0.0	10.0
Q. I-10 EB EBAX	*	-750 -2 -150 -2	* AG	392 0.9	0.0	10.0
R. I-10 EB EBDX	*	150 -2 750 -2	* AG	140 0.9	0.0	10.0
S. I-10 EB WBAX	*	750 0 150 0	* AG	0 0.9	0.0	10.0
T. I-10 EB WBDX	*	-150 0 -750 0	* AG	0 0.9	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2025wP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

		*	COORDINATES (M)		
RECEPTOR		*	X	Y	Z
		*	-----*		
1.	SE	*	8	-8	1.8
2.	NW	*	-8	7	1.8
3.	SW	*	-8	-8	1.8
4.	NE	*	8	7	1.8
5.	ES mdbl	*	150	-8	1.8
6.	WN mdbl	*	-150	7	1.8
7.	WS mdbl	*	-150	-8	1.8
8.	EN mdbl	*	150	7	1.8
9.	SE mdbl	*	8	-150	1.8
10.	NW mdbl	*	-8	150	1.8
11.	SW mdbl	*	-8	-150	1.8
12.	NE mdbl	*	8	150	1.8
13.	ES blk	*	600	-8	1.8
14.	WN blk	*	-600	7	1.8
15.	WS blk	*	-600	-8	1.8
16.	EN blk	*	600	7	1.8
17.	SE blk	*	8	-600	1.8
18.	NW blk	*	-8	600	1.8
19.	SW blk	*	-8	-600	1.8
20.	NE blk	*	8	600	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
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JOB: Rancho San Gorgonio Specific Plan
 RUN: 2025wP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	353.	*	0.2	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
2. NW	*	173.	*	0.2	*	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
3. SW	*	7.	*	0.3	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
4. NE	*	353.	*	0.2	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
5. ES mdbl	*	273.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	98.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	81.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	354.	*	0.2	*	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
10. NW mdbl	*	173.	*	0.2	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
11. SW mdbl	*	6.	*	0.2	*	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.2	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	267.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	174.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	6.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 4

JOB: Rancho San Gorgonio Specific Plan

RUN: 2025wP-01 (WORST CASE ANGLE)

POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2025wP-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. Sunset A NBA	*	2	-150	2	0	* AG	38	1.3	0.0	10.0
B. Sunset A NBD	*	2	0	2	150	* AG	302	0.9	0.0	10.0
C. Sunset A NBL	*	2	-150	0	0	* AG	0	0.9	0.0	10.0
D. Sunset A SBA	*	-5	150	-5	0	* AG	20	1.3	0.0	10.0
E. Sunset A SBD	*	-5	0	-5	-150	* AG	20	0.9	0.0	10.0
F. Sunset A SBL	*	-5	150	0	0	* AG	346	1.6	0.0	10.0
G. Westward EBA	*	-150	0	0	0	* AG	0	0.9	0.0	10.0
H. Westward EBD	*	0	0	150	0	* AG	346	1.1	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	* AG	0	0.9	0.0	10.0
J. Westward WBA	*	150	0	0	0	* AG	264	1.6	0.0	10.0
K. Westward WBD	*	0	0	-150	0	* AG	0	0.9	0.0	10.0
L. Westward WBL	*	150	2	0	0	* AG	0	0.9	0.0	10.0
M. Sunset NBAX	*	2	-750	2	-150	* AG	38	0.9	0.0	10.0
N. Sunset NBDX	*	2	150	2	750	* AG	302	0.9	0.0	10.0
O. Sunset SBAX	*	-5	750	-5	150	* AG	366	0.9	0.0	10.0
P. Sunset SBDX	*	-5	-150	-5	-750	* AG	20	0.9	0.0	10.0
Q. Westwar EBAX	*	-750	0	-150	0	* AG	0	0.9	0.0	10.0
R. Westwar EBDX	*	150	0	750	0	* AG	346	0.9	0.0	10.0
S. Westwar WBAX	*	750	0	150	0	* AG	264	0.9	0.0	10.0
T. Westwar WBDX	*	-150	0	-750	0	* AG	0	0.9	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2025wP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-7	1.8
2. NW	*	-12	7	1.8
3. SW	*	-12	-7	1.8
4. NE	*	8	7	1.8
5. ES mdbl	*	150	-7	1.8
6. WN mdbl	*	-150	7	1.8
7. WS mdbl	*	-150	-7	1.8
8. EN mdbl	*	150	7	1.8
9. SE mdbl	*	8	-150	1.8
10. NW mdbl	*	-12	150	1.8
11. SW mdbl	*	-12	-150	1.8
12. NE mdbl	*	8	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-12	600	1.8
19. SW blk	*	-12	-600	1.8
20. NE blk	*	8	600	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2025wP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	352.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
2. NW	*	95.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
3. SW	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
4. NE	*	97.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
5. ES mdbl	*	279.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
6. WN mdbl	*	91.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	87.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	261.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
9. SE mdbl	*	358.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	169.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
11. SW mdbl	*	4.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	189.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	276.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	88.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	87.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	359.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	174.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	5.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 4

JOB: Rancho San Gorgonio Specific Plan

RUN: 2025wP-02 (WORST CASE ANGLE)

POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2025wP-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. 22nd Str NBA	*	2	-150	2	0	* AG	199	1.4	0.0	10.0
B. 22nd Str NBD	*	2	0	2	150	* AG	233	1.0	0.0	10.0
C. 22nd Str NBL	*	2	-150	0	0	* AG	127	1.6	0.0	10.0
D. 22nd Str SBA	*	-5	150	-5	0	* AG	299	1.4	0.0	10.0
E. 22nd Str SBD	*	-5	0	-5	-150	* AG	536	1.0	0.0	10.0
F. 22nd Str SBL	*	-5	150	0	0	* AG	38	1.6	0.0	10.0
G. Westward EBA	*	-150	-2	0	-2	* AG	326	1.4	0.0	10.0
H. Westward EBD	*	0	-2	150	-2	* AG	178	1.0	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	* AG	21	1.6	0.0	10.0
J. Westward WBA	*	150	2	0	2	* AG	135	1.4	0.0	10.0
K. Westward WBD	*	0	2	-150	2	* AG	237	1.0	0.0	10.0
L. Westward WBL	*	150	2	0	0	* AG	39	1.6	0.0	10.0
M. 22nd St NBAX	*	2	-750	2	-150	* AG	326	0.9	0.0	10.0
N. 22nd St NBDX	*	2	150	2	750	* AG	233	0.9	0.0	10.0
O. 22nd St SBAX	*	-5	750	-5	150	* AG	337	0.9	0.0	10.0
P. 22nd St SBDX	*	-5	-150	-5	-750	* AG	536	0.9	0.0	10.0
Q. Westwar EBAX	*	-750	-2	-150	-2	* AG	347	0.9	0.0	10.0
R. Westwar EBDX	*	150	-2	750	-2	* AG	178	0.9	0.0	10.0
S. Westwar WBAX	*	750	2	150	2	* AG	174	0.9	0.0	10.0
T. Westwar WBDX	*	-150	2	-750	2	* AG	237	0.9	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2025wP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-8	1.8
2. NW	*	-12	8	1.8
3. SW	*	-12	-8	1.8
4. NE	*	8	8	1.8
5. ES mdbl	*	150	-8	1.8
6. WN mdbl	*	-150	8	1.8
7. WS mdbl	*	-150	-8	1.8
8. EN mdbl	*	150	8	1.8
9. SE mdbl	*	8	-150	1.8
10. NW mdbl	*	-12	150	1.8
11. SW mdbl	*	-12	-150	1.8
12. NE mdbl	*	8	150	1.8
13. ES blk	*	600	-8	1.8
14. WN blk	*	-600	8	1.8
15. WS blk	*	-600	-8	1.8
16. EN blk	*	600	8	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-12	600	1.8
19. SW blk	*	-12	-600	1.8
20. NE blk	*	8	600	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2025wP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	276.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
2. NW	*	173.	*	0.2	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
3. SW	*	7.	*	0.2	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
4. NE	*	187.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	97.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	83.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
8. EN mdbl	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	353.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	174.	*	0.2	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
11. SW mdbl	*	7.	*	0.2	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	*	186.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	6.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2025wP-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2025wP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. 8th Stre NBA	*	5	-150	5	0	* AG	453	1.3	0.0	10.0
B. 8th Stre NBD	*	5	0	5	150	* AG	626	1.0	0.0	10.0
C. 8th Stre NBL	*	5	-150	0	0	* AG	181	1.6	0.0	10.0
D. 8th Stre SBA	*	-2	150	-2	0	* AG	711	1.5	0.0	10.0
E. 8th Stre SBD	*	-2	0	-2	-150	* AG	475	0.9	0.0	10.0
F. 8th Stre SBL	*	-2	150	0	0	* AG	0	0.9	0.0	10.0
G. I-10 WB EBA	*	-150	0	0	0	* AG	0	0.9	0.0	10.0
H. I-10 WB EBD	*	0	0	150	0	* AG	0	0.9	0.0	10.0
I. I-10 WB EBL	*	-150	-2	0	0	* AG	0	0.9	0.0	10.0
J. I-10 WB WBA	*	150	2	0	2	* AG	178	1.5	0.0	10.0
K. I-10 WB WBD	*	0	2	-150	2	* AG	532	1.6	0.0	10.0
L. I-10 WB WBL	*	150	2	0	0	* AG	110	1.6	0.0	10.0
M. 8th Str NBAX	*	5	-750	5	-150	* AG	634	0.9	0.0	10.0
N. 8th Str NBDX	*	5	150	5	750	* AG	626	0.9	0.0	10.0
O. 8th Str SBAX	*	-2	750	-2	150	* AG	711	0.9	0.0	10.0
P. 8th Str SBDX	*	-2	-150	-2	-750	* AG	475	0.9	0.0	10.0
Q. I-10 WB EBAX	*	-750	0	-150	0	* AG	0	0.9	0.0	10.0
R. I-10 WB EBDX	*	150	0	750	0	* AG	0	0.9	0.0	10.0
S. I-10 WB WBAX	*	750	2	150	2	* AG	288	0.9	0.0	10.0
T. I-10 WB WBDX	*	-150	2	-750	2	* AG	532	0.9	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2025wP-04 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	12	-7	1.8
2. NW	*	-8	8	1.8
3. SW	*	-8	-7	1.8
4. NE	*	12	8	1.8
5. ES mdbl	*	150	-7	1.8
6. WN mdbl	*	-150	8	1.8
7. WS mdbl	*	-150	-7	1.8
8. EN mdbl	*	150	8	1.8
9. SE mdbl	*	12	-150	1.8
10. NW mdbl	*	-8	150	1.8
11. SW mdbl	*	-8	-150	1.8
12. NE mdbl	*	12	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	8	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	8	1.8
17. SE blk	*	12	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	12	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2025wP-04 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	353.	*	0.2	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
2. NW	*	172.	*	0.2	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
3. SW	*	7.	*	0.3	*	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
4. NE	*	264.	*	0.2	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
5. ES mdbl	*	276.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	97.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	82.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	353.	*	0.2	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	173.	*	0.3	*	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
11. SW mdbl	*	6.	*	0.2	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.2	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	174.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	6.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 4

JOB: Rancho San Gorgonio Specific Plan

RUN: 2025wP-04 (WORST CASE ANGLE)

POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2025wP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. 8th Stre NBA	*	2	-150	2	0	* AG	473	1.3	0.0	10.0
B. 8th Stre NBD	*	2	0	2	150	* AG	679	1.0	0.0	10.0
C. 8th Stre NBL	*	2	-150	0	0	* AG	0	0.9	0.0	10.0
D. 8th Stre SBA	*	-5	150	-5	0	* AG	355	1.3	0.0	10.0
E. 8th Stre SBD	*	-5	0	-5	-150	* AG	551	1.0	0.0	10.0
F. 8th Stre SBL	*	-5	150	0	0	* AG	120	1.6	0.0	10.0
G. I-10 EB EBA	*	-150	-2	0	-2	* AG	199	1.5	0.0	10.0
H. I-10 EB EBD	*	0	-2	150	-2	* AG	194	1.0	0.0	10.0
I. I-10 EB EBL	*	-150	-2	0	0	* AG	277	1.6	0.0	10.0
J. I-10 EB WBA	*	150	0	0	0	* AG	0	0.9	0.0	10.0
K. I-10 EB WBD	*	0	0	-150	0	* AG	0	0.9	0.0	10.0
L. I-10 EB WBL	*	150	2	0	0	* AG	0	0.9	0.0	10.0
M. 8th Str NBAX	*	2	-750	2	-150	* AG	473	0.9	0.0	10.0
N. 8th Str NBDX	*	2	150	2	750	* AG	679	0.9	0.0	10.0
O. 8th Str SBAX	*	-5	750	-5	150	* AG	475	0.9	0.0	10.0
P. 8th Str SBDX	*	-5	-150	-5	-750	* AG	551	0.9	0.0	10.0
Q. I-10 EB EBAX	*	-750	-2	-150	-2	* AG	476	0.9	0.0	10.0
R. I-10 EB EBDX	*	150	-2	750	-2	* AG	194	0.9	0.0	10.0
S. I-10 EB WBAX	*	750	0	150	0	* AG	0	0.9	0.0	10.0
T. I-10 EB WBDX	*	-150	0	-750	0	* AG	0	0.9	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2025wP-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-8	1.8
2. NW	*	-12	7	1.8
3. SW	*	-12	-8	1.8
4. NE	*	8	7	1.8
5. ES mdbl	*	150	-8	1.8
6. WN mdbl	*	-150	7	1.8
7. WS mdbl	*	-150	-8	1.8
8. EN mdbl	*	150	7	1.8
9. SE mdbl	*	8	-150	1.8
10. NW mdbl	*	-12	150	1.8
11. SW mdbl	*	-12	-150	1.8
12. NE mdbl	*	8	150	1.8
13. ES blk	*	600	-8	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-8	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-12	600	1.8
19. SW blk	*	-12	-600	1.8
20. NE blk	*	8	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2025wP-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	353.	*	0.2	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	173.	*	0.2	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
3. SW	*	7.	*	0.2	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
4. NE	*	263.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	273.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	98.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	81.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
8. EN mdbl	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	354.	*	0.2	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	173.	*	0.2	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
11. SW mdbl	*	6.	*	0.2	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.2	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	266.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	174.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	6.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 4

JOB: Rancho San Gorgonio Specific Plan

RUN: 2025wP-05 (WORST CASE ANGLE)

POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2025wP-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*			EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	*	TYPE	VPH	(G/MI)	(M)	(M)
A. 8th Stre NBA	*	2	-150	2	0	*	AG	180	1.4	0.0	10.0
B. 8th Stre NBD	*	2	0	2	150	*	AG	214	1.0	0.0	10.0
C. 8th Stre NBL	*	2	-150	0	0	*	AG	34	1.6	0.0	10.0
D. 8th Stre SBA	*	-2	150	-2	0	*	AG	298	1.4	0.0	10.0
E. 8th Stre SBD	*	-2	0	-2	-150	*	AG	378	1.0	0.0	10.0
F. 8th Stre SBL	*	-2	150	0	0	*	AG	54	1.6	0.0	10.0
G. Westward EBA	*	-150	-2	0	-2	*	AG	144	1.4	0.0	10.0
H. Westward EBD	*	0	-2	150	-2	*	AG	157	1.0	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	*	AG	25	1.6	0.0	10.0
J. Westward WBA	*	150	5	0	5	*	AG	131	1.4	0.0	10.0
K. Westward WBD	*	0	5	-150	5	*	AG	176	1.0	0.0	10.0
L. Westward WBL	*	150	5	0	0	*	AG	59	1.6	0.0	10.0
M. 8th Str NBAX	*	2	-750	2	-150	*	AG	214	0.9	0.0	10.0
N. 8th Str NBDX	*	2	150	2	750	*	AG	214	0.9	0.0	10.0
O. 8th Str SBAX	*	-2	750	-2	150	*	AG	352	0.9	0.0	10.0
P. 8th Str SBDX	*	-2	-150	-2	-750	*	AG	378	0.9	0.0	10.0
Q. Westwar EBAX	*	-750	-2	-150	-2	*	AG	169	0.9	0.0	10.0
R. Westwar EBDX	*	150	-2	750	-2	*	AG	157	0.9	0.0	10.0
S. Westwar WBAX	*	750	5	150	5	*	AG	190	0.9	0.0	10.0
T. Westwar WBDX	*	-150	5	-750	5	*	AG	176	0.9	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: Rancho San Gorgonio Specific Plan
RUN: 2025wP-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-8	1.8
2. NW	*	-8	12	1.8
3. SW	*	-8	-8	1.8
4. NE	*	8	12	1.8
5. ES mdbl	*	150	-8	1.8
6. WN mdbl	*	-150	12	1.8
7. WS mdbl	*	-150	-8	1.8
8. EN mdbl	*	150	12	1.8
9. SE mdbl	*	8	-150	1.8
10. NW mdbl	*	-8	150	1.8
11. SW mdbl	*	-8	-150	1.8
12. NE mdbl	*	8	150	1.8
13. ES blk	*	600	-8	1.8
14. WN blk	*	-600	12	1.8
15. WS blk	*	-600	-8	1.8
16. EN blk	*	600	12	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	8	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: Rancho San Gorgonio Specific Plan
RUN: 2025wP-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	353.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	173.	*	0.1	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
3. SW	*	6.	*	0.2	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
4. NE	*	186.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	276.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	264.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	174.	*	0.1	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
11. SW mdbl	*	6.	*	0.1	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	*	186.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	355.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	185.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2025wP-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2025wP-07 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. San Gorg NBA	*	5	-150	5	0	* AG	86	1.3	0.0	10.0
B. San Gorg NBD	*	5	0	5	150	* AG	133	0.9	0.0	10.0
C. San Gorg NBL	*	5	-150	0	0	* AG	51	1.6	0.0	10.0
D. San Gorg SBA	*	-2	150	-2	0	* AG	175	1.3	0.0	10.0
E. San Gorg SBD	*	-2	0	-2	-150	* AG	164	0.9	0.0	10.0
F. San Gorg SBL	*	-2	150	0	0	* AG	0	0.9	0.0	10.0
G. Westward EBA	*	-150	0	0	0	* AG	80	1.5	0.0	10.0
H. Westward EBD	*	0	0	150	0	* AG	0	0.9	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	* AG	47	1.6	0.0	10.0
J. Westward WBA	*	150	0	0	0	* AG	0	0.9	0.0	10.0
K. Westward WBD	*	0	0	-150	0	* AG	142	1.0	0.0	10.0
L. Westward WBL	*	150	2	0	0	* AG	0	0.9	0.0	10.0
M. San Gor NBAX	*	5	-750	5	-150	* AG	137	0.9	0.0	10.0
N. San Gor NBDX	*	5	150	5	750	* AG	133	0.9	0.0	10.0
O. San Gor SBAX	*	-2	750	-2	150	* AG	175	0.9	0.0	10.0
P. San Gor SBDX	*	-2	-150	-2	-750	* AG	164	0.9	0.0	10.0
Q. Westwar EBAX	*	-750	0	-150	0	* AG	127	0.9	0.0	10.0
R. Westwar EBDX	*	150	0	750	0	* AG	0	0.9	0.0	10.0
S. Westwar WBAX	*	750	0	150	0	* AG	0	0.9	0.0	10.0
T. Westwar WBDX	*	-150	0	-750	0	* AG	142	0.9	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2025wP-07 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	12	-7	1.8
2. NW	*	-8	7	1.8
3. SW	*	-8	-7	1.8
4. NE	*	12	7	1.8
5. ES mdbl	*	150	-7	1.8
6. WN mdbl	*	-150	7	1.8
7. WS mdbl	*	-150	-7	1.8
8. EN mdbl	*	150	7	1.8
9. SE mdbl	*	12	-150	1.8
10. NW mdbl	*	-8	150	1.8
11. SW mdbl	*	-8	-150	1.8
12. NE mdbl	*	12	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	12	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	12	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2025wP-07 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	173.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SW	*	6.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	271.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	99.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	82.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	269.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	353.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	175.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. SW mdbl	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	186.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	270.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	269.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 4

JOB: Rancho San Gorgonio Specific Plan

RUN: 2025wP-07 (WORST CASE ANGLE)

POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2029NP-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)	*	EF	H	W
DESCRIPTION	*	X1 Y1 X2 Y2	* TYPE	VPH (G/MI)	(M)	(M)
A. Sunset A NBA	*	2 -150 2 0	* AG	353 1.3	0.0	10.0
B. Sunset A NBD	*	2 0 2 150	* AG	560 1.0	0.0	10.0
C. Sunset A NBL	*	2 -150 0 0	* AG	0 0.9	0.0	10.0
D. Sunset A SBA	*	-2 150 -2 0	* AG	282 1.3	0.0	10.0
E. Sunset A SBD	*	-2 0 -2 -150	* AG	380 0.9	0.0	10.0
F. Sunset A SBL	*	-2 150 0 0	* AG	122 1.6	0.0	10.0
G. I-10 EB EBA	*	-150 -2 0 -2	* AG	98 1.5	0.0	10.0
H. I-10 EB EBD	*	0 -2 150 -2	* AG	147 1.0	0.0	10.0
I. I-10 EB EBL	*	-150 -2 0 0	* AG	232 1.6	0.0	10.0
J. I-10 EB WBA	*	150 0 0 0	* AG	0 0.9	0.0	10.0
K. I-10 EB WBD	*	0 0 -150 0	* AG	0 0.9	0.0	10.0
L. I-10 EB WBL	*	150 2 0 0	* AG	0 0.9	0.0	10.0
M. Sunset NBAX	*	2 -750 2 -150	* AG	353 0.9	0.0	10.0
N. Sunset NBDX	*	2 150 2 750	* AG	560 0.9	0.0	10.0
O. Sunset SBAX	*	-2 750 -2 150	* AG	404 0.9	0.0	10.0
P. Sunset SBDX	*	-2 -150 -2 -750	* AG	380 0.9	0.0	10.0
Q. I-10 EB EBAX	*	-750 -2 -150 -2	* AG	330 0.9	0.0	10.0
R. I-10 EB EBDX	*	150 -2 750 -2	* AG	147 0.9	0.0	10.0
S. I-10 EB WBAX	*	750 0 150 0	* AG	0 0.9	0.0	10.0
T. I-10 EB WBDX	*	-150 0 -750 0	* AG	0 0.9	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2029NP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-8	1.8
2. NW	*	-8	7	1.8
3. SW	*	-8	-8	1.8
4. NE	*	8	7	1.8
5. ES mdbl	*	150	-8	1.8
6. WN mdbl	*	-150	7	1.8
7. WS mdbl	*	-150	-8	1.8
8. EN mdbl	*	150	7	1.8
9. SE mdbl	*	8	-150	1.8
10. NW mdbl	*	-8	150	1.8
11. SW mdbl	*	-8	-150	1.8
12. NE mdbl	*	8	150	1.8
13. ES blk	*	600	-8	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-8	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	8	600	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2029NP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	353.	*	0.2	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	7.	*	0.2	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
3. SW	*	6.	*	0.2	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
4. NE	*	353.	*	0.2	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	274.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	98.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	81.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	354.	*	0.2	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	173.	*	0.2	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
11. SW mdbl	*	5.	*	0.2	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.2	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	267.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	174.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2029NP-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2029NP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. Sunset A NBA	*	2	-150	2	0	* AG	39	1.3	0.0	10.0
B. Sunset A NBD	*	2	0	2	150	* AG	180	0.9	0.0	10.0
C. Sunset A NBL	*	2	-150	0	0	* AG	0	0.9	0.0	10.0
D. Sunset A SBA	*	-2	150	-2	0	* AG	30	1.3	0.0	10.0
E. Sunset A SBD	*	-2	0	-2	-150	* AG	31	0.9	0.0	10.0
F. Sunset A SBL	*	-2	150	0	0	* AG	110	1.6	0.0	10.0
G. Westward EBA	*	-150	0	0	0	* AG	0	0.9	0.0	10.0
H. Westward EBD	*	0	0	150	0	* AG	111	1.0	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	* AG	0	0.9	0.0	10.0
J. Westward WBA	*	150	0	0	0	* AG	142	1.5	0.0	10.0
K. Westward WBD	*	0	0	-150	0	* AG	0	0.9	0.0	10.0
L. Westward WBL	*	150	2	0	0	* AG	1	1.6	0.0	10.0
M. Sunset NBAX	*	2	-750	2	-150	* AG	39	0.9	0.0	10.0
N. Sunset NBDX	*	2	150	2	750	* AG	180	0.9	0.0	10.0
O. Sunset SBAX	*	-2	750	-2	150	* AG	140	0.9	0.0	10.0
P. Sunset SBDX	*	-2	-150	-2	-750	* AG	31	0.9	0.0	10.0
Q. Westwar EBAX	*	-750	0	-150	0	* AG	0	0.9	0.0	10.0
R. Westwar EBDX	*	150	0	750	0	* AG	111	0.9	0.0	10.0
S. Westwar WBAX	*	750	0	150	0	* AG	143	0.9	0.0	10.0
T. Westwar WBDX	*	-150	0	-750	0	* AG	0	0.9	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2029NP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-7	1.8
2. NW	*	-8	7	1.8
3. SW	*	-8	-7	1.8
4. NE	*	8	7	1.8
5. ES mdbl	*	150	-7	1.8
6. WN mdbl	*	-150	7	1.8
7. WS mdbl	*	-150	-7	1.8
8. EN mdbl	*	150	7	1.8
9. SE mdbl	*	8	-150	1.8
10. NW mdbl	*	-8	150	1.8
11. SW mdbl	*	-8	-150	1.8
12. NE mdbl	*	8	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	8	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2029NP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SW	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	279.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	91.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	88.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	262.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	358.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	171.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. SW mdbl	*	3.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	89.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	88.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	358.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	174.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	4.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	185.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 4

JOB: Rancho San Gorgonio Specific Plan

RUN: 2029NP-02 (WORST CASE ANGLE)

POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2029NP-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. 22nd Str NBA	*	2	-150	2	0	* AG	2	1.4	0.0	10.0
B. 22nd Str NBD	*	2	0	2	150	* AG	61	1.0	0.0	10.0
C. 22nd Str NBL	*	2	-150	0	0	* AG	1	1.6	0.0	10.0
D. 22nd Str SBA	*	-4	150	-4	0	* AG	16	1.4	0.0	10.0
E. 22nd Str SBD	*	-4	0	-4	-150	* AG	11	1.0	0.0	10.0
F. 22nd Str SBL	*	-2	150	0	0	* AG	54	1.6	0.0	10.0
G. Westward EBA	*	-150	-2	0	-2	* AG	113	1.4	0.0	10.0
H. Westward EBD	*	0	-2	150	-2	* AG	161	1.0	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	* AG	18	1.6	0.0	10.0
J. Westward WBA	*	150	2	0	2	* AG	149	1.4	0.0	10.0
K. Westward WBD	*	0	2	-150	2	* AG	121	1.0	0.0	10.0
L. Westward WBL	*	150	2	0	0	* AG	1	1.6	0.0	10.0
M. 22nd St NBAX	*	2	-750	2	-150	* AG	3	0.9	0.0	10.0
N. 22nd St NBDX	*	2	150	2	750	* AG	61	0.9	0.0	10.0
O. 22nd St SBAX	*	-4	750	-4	150	* AG	70	0.9	0.0	10.0
P. 22nd St SBDX	*	-4	-150	-4	-750	* AG	11	0.9	0.0	10.0
Q. Westwar EBAX	*	-750	-2	-150	-2	* AG	131	0.9	0.0	10.0
R. Westwar EBDX	*	150	-2	750	-2	* AG	161	0.9	0.0	10.0
S. Westwar WBAX	*	750	2	150	2	* AG	150	0.9	0.0	10.0
T. Westwar WBDX	*	-150	2	-750	2	* AG	121	0.9	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2029NP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-8	1.8
2. NW	*	-10	8	1.8
3. SW	*	-10	-8	1.8
4. NE	*	8	8	1.8
5. ES mdbl	*	150	-8	1.8
6. WN mdbl	*	-150	8	1.8
7. WS mdbl	*	-150	-8	1.8
8. EN mdbl	*	150	8	1.8
9. SE mdbl	*	8	-150	1.8
10. NW mdbl	*	-10	150	1.8
11. SW mdbl	*	-10	-150	1.8
12. NE mdbl	*	8	150	1.8
13. ES blk	*	600	-8	1.8
14. WN blk	*	-600	8	1.8
15. WS blk	*	-600	-8	1.8
16. EN blk	*	600	8	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-10	600	1.8
19. SW blk	*	-10	-600	1.8
20. NE blk	*	8	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2029NP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SW	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	264.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	276.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	264.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	358.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	171.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. SW mdbl	*	3.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	188.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	358.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	2.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	185.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2029NP-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2029NP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. 8th Stre NBA	*	2	-150	2	0	* AG	381	1.3	0.0	10.0
B. 8th Stre NBD	*	2	0	2	150	* AG	560	1.0	0.0	10.0
C. 8th Stre NBL	*	2	-150	0	0	* AG	154	1.6	0.0	10.0
D. 8th Stre SBA	*	-2	150	-2	0	* AG	606	1.5	0.0	10.0
E. 8th Stre SBD	*	-2	0	-2	-150	* AG	300	0.9	0.0	10.0
F. 8th Stre SBL	*	-2	150	0	0	* AG	0	0.9	0.0	10.0
G. I-10 WB EBA	*	-150	0	0	0	* AG	0	0.9	0.0	10.0
H. I-10 WB EBD	*	0	0	150	0	* AG	0	0.9	0.0	10.0
I. I-10 WB EBL	*	-150	-2	0	0	* AG	0	0.9	0.0	10.0
J. I-10 WB WBA	*	150	2	0	2	* AG	179	1.5	0.0	10.0
K. I-10 WB WBD	*	0	2	-150	2	* AG	504	1.6	0.0	10.0
L. I-10 WB WBL	*	150	2	0	0	* AG	44	1.6	0.0	10.0
M. 8th Str NBAX	*	2	-750	2	-150	* AG	535	0.9	0.0	10.0
N. 8th Str NBDX	*	2	150	2	750	* AG	560	0.9	0.0	10.0
O. 8th Str SBAX	*	-2	750	-2	150	* AG	606	0.9	0.0	10.0
P. 8th Str SBDX	*	-2	-150	-2	-750	* AG	300	0.9	0.0	10.0
Q. I-10 WB EBAX	*	-750	0	-150	0	* AG	0	0.9	0.0	10.0
R. I-10 WB EBDX	*	150	0	750	0	* AG	0	0.9	0.0	10.0
S. I-10 WB WBAX	*	750	2	150	2	* AG	223	0.9	0.0	10.0
T. I-10 WB WBDX	*	-150	2	-750	2	* AG	504	0.9	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2029NP-04 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-7	1.8
2. NW	*	-8	8	1.8
3. SW	*	-8	-7	1.8
4. NE	*	8	8	1.8
5. ES mdbl	*	150	-7	1.8
6. WN mdbl	*	-150	8	1.8
7. WS mdbl	*	-150	-7	1.8
8. EN mdbl	*	150	8	1.8
9. SE mdbl	*	8	-150	1.8
10. NW mdbl	*	-8	150	1.8
11. SW mdbl	*	-8	-150	1.8
12. NE mdbl	*	8	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	8	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	8	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	8	600	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2029NP-04 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	353.	*	0.2	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
2. NW	*	7.	*	0.2	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
3. SW	*	7.	*	0.3	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
4. NE	*	263.	*	0.2	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
5. ES mdbl	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	98.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	81.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	354.	*	0.2	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	173.	*	0.2	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
11. SW mdbl	*	6.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	188.	*	0.2	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	174.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2029NP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2029NP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. 8th Stre NBA	*	2	-150	2	0	* AG	321	1.3	0.0	10.0
B. 8th Stre NBD	*	2	0	2	150	* AG	570	1.0	0.0	10.0
C. 8th Stre NBL	*	2	-150	0	0	* AG	0	0.9	0.0	10.0
D. 8th Stre SBA	*	-2	150	-2	0	* AG	171	1.3	0.0	10.0
E. 8th Stre SBD	*	-2	0	-2	-150	* AG	310	0.9	0.0	10.0
F. 8th Stre SBL	*	-2	150	0	0	* AG	128	1.6	0.0	10.0
G. I-10 EB EBA	*	-150	-2	0	-2	* AG	139	1.5	0.0	10.0
H. I-10 EB EBD	*	0	-2	150	-2	* AG	157	1.0	0.0	10.0
I. I-10 EB EBL	*	-150	-2	0	0	* AG	278	1.6	0.0	10.0
J. I-10 EB WBA	*	150	0	0	0	* AG	0	0.9	0.0	10.0
K. I-10 EB WBD	*	0	0	-150	0	* AG	0	0.9	0.0	10.0
L. I-10 EB WBL	*	150	2	0	0	* AG	0	0.9	0.0	10.0
M. 8th Str NBAX	*	2	-750	2	-150	* AG	321	0.9	0.0	10.0
N. 8th Str NBDX	*	2	150	2	750	* AG	570	0.9	0.0	10.0
O. 8th Str SBAX	*	-2	750	-2	150	* AG	299	0.9	0.0	10.0
P. 8th Str SBDX	*	-2	-150	-2	-750	* AG	310	0.9	0.0	10.0
Q. I-10 EB EBAX	*	-750	-2	-150	-2	* AG	417	0.9	0.0	10.0
R. I-10 EB EBDX	*	150	-2	750	-2	* AG	157	0.9	0.0	10.0
S. I-10 EB WBAX	*	750	0	150	0	* AG	0	0.9	0.0	10.0
T. I-10 EB WBDX	*	-150	0	-750	0	* AG	0	0.9	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2029NP-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

		*	COORDINATES (M)		
RECEPTOR		*	X	Y	Z
		*	-----*		
1.	SE	*	8	-8	1.8
2.	NW	*	-8	7	1.8
3.	SW	*	-8	-8	1.8
4.	NE	*	8	7	1.8
5.	ES mdbl	*	150	-8	1.8
6.	WN mdbl	*	-150	7	1.8
7.	WS mdbl	*	-150	-8	1.8
8.	EN mdbl	*	150	7	1.8
9.	SE mdbl	*	8	-150	1.8
10.	NW mdbl	*	-8	150	1.8
11.	SW mdbl	*	-8	-150	1.8
12.	NE mdbl	*	8	150	1.8
13.	ES blk	*	600	-8	1.8
14.	WN blk	*	-600	7	1.8
15.	WS blk	*	-600	-8	1.8
16.	EN blk	*	600	7	1.8
17.	SE blk	*	8	-600	1.8
18.	NW blk	*	-8	600	1.8
19.	SW blk	*	-8	-600	1.8
20.	NE blk	*	8	600	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2029NP-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	354.	*	0.2	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	174.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SW	*	6.	*	0.2	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	263.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	273.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	98.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	81.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	354.	*	0.1	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	173.	*	0.2	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
11. SW mdbl	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.2	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	267.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	174.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2029NP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2029NP-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*			EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	*	TYPE	VPH	(G/MI)	(M)	(M)
A. 8th Stre NBA	*	2	-150	2	0	*	AG	16	1.4	0.0	10.0
B. 8th Stre NBD	*	2	0	2	150	*	AG	90	1.0	0.0	10.0
C. 8th Stre NBL	*	2	-150	0	0	*	AG	4	1.6	0.0	10.0
D. 8th Stre SBA	*	-2	150	-2	0	*	AG	31	1.4	0.0	10.0
E. 8th Stre SBD	*	-2	0	-2	-150	*	AG	20	1.0	0.0	10.0
F. 8th Stre SBL	*	-2	150	0	0	*	AG	58	1.6	0.0	10.0
G. Westward EBA	*	-150	-2	0	-2	*	AG	116	1.4	0.0	10.0
H. Westward EBD	*	0	-2	150	-2	*	AG	180	1.0	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	*	AG	21	1.6	0.0	10.0
J. Westward WBA	*	150	2	0	2	*	AG	195	1.4	0.0	10.0
K. Westward WBD	*	0	2	-150	2	*	AG	161	1.0	0.0	10.0
L. Westward WBL	*	150	2	0	0	*	AG	10	1.6	0.0	10.0
M. 8th Str NBAX	*	2	-750	2	-150	*	AG	20	0.9	0.0	10.0
N. 8th Str NBDX	*	2	150	2	750	*	AG	90	0.9	0.0	10.0
O. 8th Str SBAX	*	-2	750	-2	150	*	AG	89	0.9	0.0	10.0
P. 8th Str SBDX	*	-2	-150	-2	-750	*	AG	20	0.9	0.0	10.0
Q. Westwar EBAX	*	-750	-2	-150	-2	*	AG	137	0.9	0.0	10.0
R. Westwar EBDX	*	150	-2	750	-2	*	AG	180	0.9	0.0	10.0
S. Westwar WBAX	*	750	2	150	2	*	AG	205	0.9	0.0	10.0
T. Westwar WBDX	*	-150	2	-750	2	*	AG	161	0.9	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2029NP-06 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-8	1.8
2. NW	*	-8	8	1.8
3. SW	*	-8	-8	1.8
4. NE	*	8	8	1.8
5. ES mdbl	*	150	-8	1.8
6. WN mdbl	*	-150	8	1.8
7. WS mdbl	*	-150	-8	1.8
8. EN mdbl	*	150	8	1.8
9. SE mdbl	*	8	-150	1.8
10. NW mdbl	*	-8	150	1.8
11. SW mdbl	*	-8	-150	1.8
12. NE mdbl	*	8	150	1.8
13. ES blk	*	600	-8	1.8
14. WN blk	*	-600	8	1.8
15. WS blk	*	-600	-8	1.8
16. EN blk	*	600	8	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	8	600	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2029NP-06 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SW	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	276.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	264.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	357.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	172.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. SW mdbl	*	3.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	188.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	357.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	3.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	185.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2029NP-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES	mdblk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN	mdblk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS	mdblk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN	mdblk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE	mdblk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW	mdblk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW	mdblk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE	mdblk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES	blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN	blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS	blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN	blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE	blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW	blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.	SW	blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.	NE	blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2029NP-07 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. San Gorg NBA	*	5	-150	5	0	* AG	84	1.3	0.0	10.0
B. San Gorg NBD	*	5	0	5	150	* AG	140	0.9	0.0	10.0
C. San Gorg NBL	*	5	-150	0	0	* AG	59	1.6	0.0	10.0
D. San Gorg SBA	*	-2	150	-2	0	* AG	174	1.3	0.0	10.0
E. San Gorg SBD	*	-2	0	-2	-150	* AG	170	0.9	0.0	10.0
F. San Gorg SBL	*	-2	150	0	0	* AG	0	0.9	0.0	10.0
G. Westward EBA	*	-150	0	0	0	* AG	97	1.5	0.0	10.0
H. Westward EBD	*	0	0	150	0	* AG	0	0.9	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	* AG	56	1.6	0.0	10.0
J. Westward WBA	*	150	0	0	0	* AG	0	0.9	0.0	10.0
K. Westward WBD	*	0	0	-150	0	* AG	160	1.0	0.0	10.0
L. Westward WBL	*	150	2	0	0	* AG	0	0.9	0.0	10.0
M. San Gor NBAX	*	5	-750	5	-150	* AG	143	0.9	0.0	10.0
N. San Gor NBDX	*	5	150	5	750	* AG	140	0.9	0.0	10.0
O. San Gor SBAX	*	-2	750	-2	150	* AG	174	0.9	0.0	10.0
P. San Gor SBDX	*	-2	-150	-2	-750	* AG	170	0.9	0.0	10.0
Q. Westwar EBAX	*	-750	0	-150	0	* AG	153	0.9	0.0	10.0
R. Westwar EBDX	*	150	0	750	0	* AG	0	0.9	0.0	10.0
S. Westwar WBAX	*	750	0	150	0	* AG	0	0.9	0.0	10.0
T. Westwar WBDX	*	-150	0	-750	0	* AG	160	0.9	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2029NP-07 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

		*	COORDINATES (M)		
RECEPTOR		*	X	Y	Z
		*	-----*		
1.	SE	*	12	-7	1.8
2.	NW	*	-8	7	1.8
3.	SW	*	-8	-7	1.8
4.	NE	*	12	7	1.8
5.	ES mdbl	*	150	-7	1.8
6.	WN mdbl	*	-150	7	1.8
7.	WS mdbl	*	-150	-7	1.8
8.	EN mdbl	*	150	7	1.8
9.	SE mdbl	*	12	-150	1.8
10.	NW mdbl	*	-8	150	1.8
11.	SW mdbl	*	-8	-150	1.8
12.	NE mdbl	*	12	150	1.8
13.	ES blk	*	600	-7	1.8
14.	WN blk	*	-600	7	1.8
15.	WS blk	*	-600	-7	1.8
16.	EN blk	*	600	7	1.8
17.	SE blk	*	12	-600	1.8
18.	NW blk	*	-8	600	1.8
19.	SW blk	*	-8	-600	1.8
20.	NE blk	*	12	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2029NP-07 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	173.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SW	*	6.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	271.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	99.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	82.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	269.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	353.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	175.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. SW mdbl	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	186.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	270.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	269.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 4

JOB: Rancho San Gorgonio Specific Plan

RUN: 2029NP-07 (WORST CASE ANGLE)

POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2029wP-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. Sunset A NBA	*	2	-150	2	0	* AG	744	1.5	0.0	10.0
B. Sunset A NBD	*	2	0	2	150	* AG	927	1.3	0.0	10.0
C. Sunset A NBL	*	2	-150	0	0	* AG	0	0.9	0.0	10.0
D. Sunset A SBA	*	-2	150	-2	0	* AG	671	1.5	0.0	10.0
E. Sunset A SBD	*	-2	0	-2	-150	* AG	953	1.3	0.0	10.0
F. Sunset A SBL	*	-2	150	0	0	* AG	122	1.6	0.0	10.0
G. I-10 EB EBA	*	-150	-2	0	-2	* AG	282	1.6	0.0	10.0
H. I-10 EB EBD	*	0	-2	150	-2	* AG	171	1.0	0.0	10.0
I. I-10 EB EBL	*	-150	-2	0	0	* AG	232	1.6	0.0	10.0
J. I-10 EB WBA	*	150	0	0	0	* AG	0	0.9	0.0	10.0
K. I-10 EB WBD	*	0	0	-150	0	* AG	0	0.9	0.0	10.0
L. I-10 EB WBL	*	150	2	0	0	* AG	0	0.9	0.0	10.0
M. Sunset NBAX	*	2	-750	2	-150	* AG	744	0.9	0.0	10.0
N. Sunset NBDX	*	2	150	2	750	* AG	927	0.9	0.0	10.0
O. Sunset SBAX	*	-2	750	-2	150	* AG	793	0.9	0.0	10.0
P. Sunset SBDX	*	-2	-150	-2	-750	* AG	953	0.9	0.0	10.0
Q. I-10 EB EBAX	*	-750	-2	-150	-2	* AG	514	0.9	0.0	10.0
R. I-10 EB EBDX	*	150	-2	750	-2	* AG	171	0.9	0.0	10.0
S. I-10 EB WBAX	*	750	0	150	0	* AG	0	0.9	0.0	10.0
T. I-10 EB WBDX	*	-150	0	-750	0	* AG	0	0.9	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2029wP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

		*	COORDINATES (M)		
RECEPTOR		*	X	Y	Z
		*	-----*		
1.	SE	*	8	-8	1.8
2.	NW	*	-8	7	1.8
3.	SW	*	-8	-8	1.8
4.	NE	*	8	7	1.8
5.	ES mdbl	*	150	-8	1.8
6.	WN mdbl	*	-150	7	1.8
7.	WS mdbl	*	-150	-8	1.8
8.	EN mdbl	*	150	7	1.8
9.	SE mdbl	*	8	-150	1.8
10.	NW mdbl	*	-8	150	1.8
11.	SW mdbl	*	-8	-150	1.8
12.	NE mdbl	*	8	150	1.8
13.	ES blk	*	600	-8	1.8
14.	WN blk	*	-600	7	1.8
15.	WS blk	*	-600	-8	1.8
16.	EN blk	*	600	7	1.8
17.	SE blk	*	8	-600	1.8
18.	NW blk	*	-8	600	1.8
19.	SW blk	*	-8	-600	1.8
20.	NE blk	*	8	600	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2029wP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	352.	*	0.4	*	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.0
2. NW	*	172.	*	0.4	*	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0.0
3. SW	*	8.	*	0.4	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
4. NE	*	352.	*	0.3	*	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.0
5. ES mdbl	*	273.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	99.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
7. WS mdbl	*	81.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
8. EN mdbl	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	353.	*	0.4	*	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0
10. NW mdbl	*	173.	*	0.4	*	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.0
11. SW mdbl	*	6.	*	0.4	*	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.4	*	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.0
13. ES blk	*	274.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	174.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	6.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 4

JOB: Rancho San Gorgonio Specific Plan

RUN: 2029wP-01 (WORST CASE ANGLE)

POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2029wP-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. Sunset A NBA	*	2	-150	2	0	* AG	185	1.3	0.0	10.0
B. Sunset A NBD	*	2	0	2	150	* AG	583	1.0	0.0	10.0
C. Sunset A NBL	*	2	-150	0	0	* AG	0	0.9	0.0	10.0
D. Sunset A SBA	*	-5	150	-5	0	* AG	237	1.3	0.0	10.0
E. Sunset A SBD	*	-5	0	-5	-150	* AG	282	0.9	0.0	10.0
F. Sunset A SBL	*	-5	150	0	0	* AG	492	1.6	0.0	10.0
G. Westward EBA	*	-150	0	0	0	* AG	0	0.9	0.0	10.0
H. Westward EBD	*	0	0	150	0	* AG	521	1.6	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	* AG	0	0.9	0.0	10.0
J. Westward WBA	*	150	0	0	0	* AG	427	1.6	0.0	10.0
K. Westward WBD	*	0	0	-150	0	* AG	0	0.9	0.0	10.0
L. Westward WBL	*	150	2	0	0	* AG	45	1.6	0.0	10.0
M. Sunset NBAX	*	2	-750	2	-150	* AG	185	0.9	0.0	10.0
N. Sunset NBDX	*	2	150	2	750	* AG	583	0.9	0.0	10.0
O. Sunset SBAX	*	-5	750	-5	150	* AG	729	0.9	0.0	10.0
P. Sunset SBDX	*	-5	-150	-5	-750	* AG	282	0.9	0.0	10.0
Q. Westwar EBAX	*	-750	0	-150	0	* AG	0	0.9	0.0	10.0
R. Westwar EBDX	*	150	0	750	0	* AG	521	0.9	0.0	10.0
S. Westwar WBAX	*	750	0	150	0	* AG	472	0.9	0.0	10.0
T. Westwar WBDX	*	-150	0	-750	0	* AG	0	0.9	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2029wP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-7	1.8
2. NW	*	-12	7	1.8
3. SW	*	-12	-7	1.8
4. NE	*	8	7	1.8
5. ES mdbl	*	150	-7	1.8
6. WN mdbl	*	-150	7	1.8
7. WS mdbl	*	-150	-7	1.8
8. EN mdbl	*	150	7	1.8
9. SE mdbl	*	8	-150	1.8
10. NW mdbl	*	-12	150	1.8
11. SW mdbl	*	-12	-150	1.8
12. NE mdbl	*	8	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-12	600	1.8
19. SW blk	*	-12	-600	1.8
20. NE blk	*	8	600	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2029wP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	352.	*	0.4	*	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1
2. NW	*	96.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
3. SW	*	84.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
4. NE	*	97.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
5. ES mdbl	*	279.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
6. WN mdbl	*	91.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	88.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	261.	*	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
9. SE mdbl	*	357.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	169.	*	0.3	*	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0
11. SW mdbl	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	188.	*	0.2	*	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0
13. ES blk	*	276.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	89.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	88.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	264.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	357.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	173.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	6.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2029wP-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2029wP-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*			EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	*	TYPE	VPH	(G/MI)	(M)	(M)
A. 22nd Str NBA	*	2	-150	2	0	*	AG	275	1.4	0.0	10.0
B. 22nd Str NBD	*	2	0	2	150	*	AG	297	1.0	0.0	10.0
C. 22nd Str NBL	*	2	-150	0	0	*	AG	147	1.6	0.0	10.0
D. 22nd Str SBA	*	-5	150	-5	0	*	AG	366	1.4	0.0	10.0
E. 22nd Str SBD	*	-5	0	-5	-150	*	AG	623	1.1	0.0	10.0
F. 22nd Str SBL	*	-5	150	0	0	*	AG	54	1.6	0.0	10.0
G. Westward EBA	*	-150	-2	0	-2	*	AG	376	1.4	0.0	10.0
H. Westward EBD	*	0	-2	150	-2	*	AG	253	1.0	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	*	AG	28	1.6	0.0	10.0
J. Westward WBA	*	150	2	0	2	*	AG	195	1.4	0.0	10.0
K. Westward WBD	*	0	2	-150	2	*	AG	330	1.0	0.0	10.0
L. Westward WBL	*	150	2	0	0	*	AG	62	1.6	0.0	10.0
M. 22nd St NBAX	*	2	-750	2	-150	*	AG	422	0.9	0.0	10.0
N. 22nd St NBDX	*	2	150	2	750	*	AG	297	0.9	0.0	10.0
O. 22nd St SBAX	*	-5	750	-5	150	*	AG	420	0.9	0.0	10.0
P. 22nd St SBDX	*	-5	-150	-5	-750	*	AG	623	0.9	0.0	10.0
Q. Westwar EBAX	*	-750	-2	-150	-2	*	AG	404	0.9	0.0	10.0
R. Westwar EBDX	*	150	-2	750	-2	*	AG	253	0.9	0.0	10.0
S. Westwar WBAX	*	750	2	150	2	*	AG	257	0.9	0.0	10.0
T. Westwar WBDX	*	-150	2	-750	2	*	AG	330	0.9	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2029wP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-8	1.8
2. NW	*	-12	8	1.8
3. SW	*	-12	-8	1.8
4. NE	*	8	8	1.8
5. ES mdbl k	*	150	-8	1.8
6. WN mdbl k	*	-150	8	1.8
7. WS mdbl k	*	-150	-8	1.8
8. EN mdbl k	*	150	8	1.8
9. SE mdbl k	*	8	-150	1.8
10. NW mdbl k	*	-12	150	1.8
11. SW mdbl k	*	-12	-150	1.8
12. NE mdbl k	*	8	150	1.8
13. ES blk	*	600	-8	1.8
14. WN blk	*	-600	8	1.8
15. WS blk	*	-600	-8	1.8
16. EN blk	*	600	8	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-12	600	1.8
19. SW blk	*	-12	-600	1.8
20. NE blk	*	8	600	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2029wP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	276.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
2. NW	*	173.	*	0.2	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
3. SW	*	7.	*	0.2	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
4. NE	*	187.	*	0.2	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	97.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
7. WS mdbl	*	83.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
8. EN mdbl	*	264.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	352.	*	0.2	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	174.	*	0.2	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
11. SW mdbl	*	7.	*	0.2	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	*	186.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	6.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2029wP-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2029wP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. 8th Stre NBA	*	5	-150	5	0	* AG	474	1.3	0.0	10.0
B. 8th Stre NBD	*	5	0	5	150	* AG	653	1.0	0.0	10.0
C. 8th Stre NBL	*	5	-150	0	0	* AG	187	1.6	0.0	10.0
D. 8th Stre SBA	*	-2	150	-2	0	* AG	744	1.5	0.0	10.0
E. 8th Stre SBD	*	-2	0	-2	-150	* AG	515	1.0	0.0	10.0
F. 8th Stre SBL	*	-2	150	0	0	* AG	0	0.9	0.0	10.0
G. I-10 WB EBA	*	-150	0	0	0	* AG	0	0.9	0.0	10.0
H. I-10 WB EBD	*	0	0	150	0	* AG	0	0.9	0.0	10.0
I. I-10 WB EBL	*	-150	-2	0	0	* AG	0	0.9	0.0	10.0
J. I-10 WB WBA	*	150	2	0	2	* AG	179	1.5	0.0	10.0
K. I-10 WB WBD	*	0	2	-150	2	* AG	537	1.6	0.0	10.0
L. I-10 WB WBL	*	150	2	0	0	* AG	121	1.6	0.0	10.0
M. 8th Str NBAX	*	5	-750	5	-150	* AG	661	0.9	0.0	10.0
N. 8th Str NBDX	*	5	150	5	750	* AG	653	0.9	0.0	10.0
O. 8th Str SBAX	*	-2	750	-2	150	* AG	744	0.9	0.0	10.0
P. 8th Str SBDX	*	-2	-150	-2	-750	* AG	515	0.9	0.0	10.0
Q. I-10 WB EBAX	*	-750	0	-150	0	* AG	0	0.9	0.0	10.0
R. I-10 WB EBDX	*	150	0	750	0	* AG	0	0.9	0.0	10.0
S. I-10 WB WBAX	*	750	2	150	2	* AG	300	0.9	0.0	10.0
T. I-10 WB WBDX	*	-150	2	-750	2	* AG	537	0.9	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2029wP-04 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	12	-7	1.8
2. NW	*	-8	8	1.8
3. SW	*	-8	-7	1.8
4. NE	*	12	8	1.8
5. ES mdbl	*	150	-7	1.8
6. WN mdbl	*	-150	8	1.8
7. WS mdbl	*	-150	-7	1.8
8. EN mdbl	*	150	8	1.8
9. SE mdbl	*	12	-150	1.8
10. NW mdbl	*	-8	150	1.8
11. SW mdbl	*	-8	-150	1.8
12. NE mdbl	*	12	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	8	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	8	1.8
17. SE blk	*	12	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	12	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2029wP-04 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	352.	*	0.2	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
2. NW	*	172.	*	0.3	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
3. SW	*	7.	*	0.3	*	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
4. NE	*	264.	*	0.2	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
5. ES mdbl	*	276.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	97.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	82.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	353.	*	0.3	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	173.	*	0.3	*	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
11. SW mdbl	*	6.	*	0.2	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.2	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	174.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	6.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2029wP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2029wP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. 8th Stre NBA	*	2	-150	2	0	* AG	494	1.3	0.0	10.0
B. 8th Stre NBD	*	2	0	2	150	* AG	695	1.0	0.0	10.0
C. 8th Stre NBL	*	2	-150	0	0	* AG	0	0.9	0.0	10.0
D. 8th Stre SBA	*	-5	150	-5	0	* AG	386	1.3	0.0	10.0
E. 8th Stre SBD	*	-5	0	-5	-150	* AG	581	1.0	0.0	10.0
F. 8th Stre SBL	*	-5	150	0	0	* AG	128	1.6	0.0	10.0
G. I-10 EB EBA	*	-150	-2	0	-2	* AG	195	1.5	0.0	10.0
H. I-10 EB EBD	*	0	-2	150	-2	* AG	205	1.0	0.0	10.0
I. I-10 EB EBL	*	-150	-2	0	0	* AG	278	1.6	0.0	10.0
J. I-10 EB WBA	*	150	0	0	0	* AG	0	0.9	0.0	10.0
K. I-10 EB WBD	*	0	0	-150	0	* AG	0	0.9	0.0	10.0
L. I-10 EB WBL	*	150	2	0	0	* AG	0	0.9	0.0	10.0
M. 8th Str NBAX	*	2	-750	2	-150	* AG	494	0.9	0.0	10.0
N. 8th Str NBDX	*	2	150	2	750	* AG	695	0.9	0.0	10.0
O. 8th Str SBAX	*	-5	750	-5	150	* AG	514	0.9	0.0	10.0
P. 8th Str SBDX	*	-5	-150	-5	-750	* AG	581	0.9	0.0	10.0
Q. I-10 EB EBAX	*	-750	-2	-150	-2	* AG	473	0.9	0.0	10.0
R. I-10 EB EBDX	*	150	-2	750	-2	* AG	205	0.9	0.0	10.0
S. I-10 EB WBAX	*	750	0	150	0	* AG	0	0.9	0.0	10.0
T. I-10 EB WBDX	*	-150	0	-750	0	* AG	0	0.9	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2029wP-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*			
1. SE	*	8	-8	1.8
2. NW	*	-12	7	1.8
3. SW	*	-12	-8	1.8
4. NE	*	8	7	1.8
5. ES mdbl	*	150	-8	1.8
6. WN mdbl	*	-150	7	1.8
7. WS mdbl	*	-150	-8	1.8
8. EN mdbl	*	150	7	1.8
9. SE mdbl	*	8	-150	1.8
10. NW mdbl	*	-12	150	1.8
11. SW mdbl	*	-12	-150	1.8
12. NE mdbl	*	8	150	1.8
13. ES blk	*	600	-8	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-8	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-12	600	1.8
19. SW blk	*	-12	-600	1.8
20. NE blk	*	8	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2029wP-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	353.	*	0.2	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	173.	*	0.2	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
3. SW	*	7.	*	0.2	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
4. NE	*	263.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	273.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	98.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	81.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
8. EN mdbl	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	354.	*	0.2	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	173.	*	0.2	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
11. SW mdbl	*	6.	*	0.2	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.2	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	266.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	174.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	6.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2029wP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2029wP-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. 8th Stre NBA	*	2	-150	2	0	* AG	198	1.4	0.0	10.0
B. 8th Stre NBD	*	2	0	2	150	* AG	255	1.0	0.0	10.0
C. 8th Stre NBL	*	2	-150	0	0	* AG	34	1.6	0.0	10.0
D. 8th Stre SBA	*	-2	150	-2	0	* AG	350	1.4	0.0	10.0
E. 8th Stre SBD	*	-2	0	-2	-150	* AG	401	1.0	0.0	10.0
F. 8th Stre SBL	*	-2	150	0	0	* AG	58	1.6	0.0	10.0
G. Westward EBA	*	-150	-2	0	-2	* AG	171	1.4	0.0	10.0
H. Westward EBD	*	0	-2	150	-2	* AG	194	1.0	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	* AG	52	1.6	0.0	10.0
J. Westward WBA	*	150	5	0	5	* AG	161	1.4	0.0	10.0
K. Westward WBD	*	0	5	-150	5	* AG	236	1.0	0.0	10.0
L. Westward WBL	*	150	5	0	0	* AG	62	1.6	0.0	10.0
M. 8th Str NBAX	*	2	-750	2	-150	* AG	232	0.9	0.0	10.0
N. 8th Str NBDX	*	2	150	2	750	* AG	255	0.9	0.0	10.0
O. 8th Str SBAX	*	-2	750	-2	150	* AG	408	0.9	0.0	10.0
P. 8th Str SBDX	*	-2	-150	-2	-750	* AG	401	0.9	0.0	10.0
Q. Westwar EBAX	*	-750	-2	-150	-2	* AG	223	0.9	0.0	10.0
R. Westwar EBDX	*	150	-2	750	-2	* AG	194	0.9	0.0	10.0
S. Westwar WBAX	*	750	5	150	5	* AG	223	0.9	0.0	10.0
T. Westwar WBDX	*	-150	5	-750	5	* AG	236	0.9	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2029wP-06 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-8	1.8
2. NW	*	-8	12	1.8
3. SW	*	-8	-8	1.8
4. NE	*	8	12	1.8
5. ES mdbl k	*	150	-8	1.8
6. WN mdbl k	*	-150	12	1.8
7. WS mdbl k	*	-150	-8	1.8
8. EN mdbl k	*	150	12	1.8
9. SE mdbl k	*	8	-150	1.8
10. NW mdbl k	*	-8	150	1.8
11. SW mdbl k	*	-8	-150	1.8
12. NE mdbl k	*	8	150	1.8
13. ES blk	*	600	-8	1.8
14. WN blk	*	-600	12	1.8
15. WS blk	*	-600	-8	1.8
16. EN blk	*	600	12	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	8	600	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2029wP-06 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	353.	*	0.2	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
2. NW	*	173.	*	0.2	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
3. SW	*	6.	*	0.2	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
4. NE	*	186.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	276.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	264.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	174.	*	0.2	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
11. SW mdbl	*	6.	*	0.1	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	*	186.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	355.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2029wP-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2029wP-07 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. San Gorg NBA	*	5	-150	5	0	* AG	84	1.3	0.0	10.0
B. San Gorg NBD	*	5	0	5	150	* AG	143	0.9	0.0	10.0
C. San Gorg NBL	*	5	-150	0	0	* AG	72	1.6	0.0	10.0
D. San Gorg SBA	*	-2	150	-2	0	* AG	179	1.3	0.0	10.0
E. San Gorg SBD	*	-2	0	-2	-150	* AG	181	0.9	0.0	10.0
F. San Gorg SBL	*	-2	150	0	0	* AG	0	0.9	0.0	10.0
G. Westward EBA	*	-150	0	0	0	* AG	108	1.5	0.0	10.0
H. Westward EBD	*	0	0	150	0	* AG	0	0.9	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	* AG	59	1.6	0.0	10.0
J. Westward WBA	*	150	0	0	0	* AG	0	0.9	0.0	10.0
K. Westward WBD	*	0	0	-150	0	* AG	178	1.0	0.0	10.0
L. Westward WBL	*	150	2	0	0	* AG	0	0.9	0.0	10.0
M. San Gor NBAX	*	5	-750	5	-150	* AG	156	0.9	0.0	10.0
N. San Gor NBDX	*	5	150	5	750	* AG	143	0.9	0.0	10.0
O. San Gor SBAX	*	-2	750	-2	150	* AG	179	0.9	0.0	10.0
P. San Gor SBDX	*	-2	-150	-2	-750	* AG	181	0.9	0.0	10.0
Q. Westwar EBAX	*	-750	0	-150	0	* AG	167	0.9	0.0	10.0
R. Westwar EBDX	*	150	0	750	0	* AG	0	0.9	0.0	10.0
S. Westwar WBAX	*	750	0	150	0	* AG	0	0.9	0.0	10.0
T. Westwar WBDX	*	-150	0	-750	0	* AG	178	0.9	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2029wP-07 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

		*	COORDINATES (M)		
RECEPTOR		*	X	Y	Z
		*	-----*		
1.	SE	*	12	-7	1.8
2.	NW	*	-8	7	1.8
3.	SW	*	-8	-7	1.8
4.	NE	*	12	7	1.8
5.	ES mdbl	*	150	-7	1.8
6.	WN mdbl	*	-150	7	1.8
7.	WS mdbl	*	-150	-7	1.8
8.	EN mdbl	*	150	7	1.8
9.	SE mdbl	*	12	-150	1.8
10.	NW mdbl	*	-8	150	1.8
11.	SW mdbl	*	-8	-150	1.8
12.	NE mdbl	*	12	150	1.8
13.	ES blk	*	600	-7	1.8
14.	WN blk	*	-600	7	1.8
15.	WS blk	*	-600	-7	1.8
16.	EN blk	*	600	7	1.8
17.	SE blk	*	12	-600	1.8
18.	NW blk	*	-8	600	1.8
19.	SW blk	*	-8	-600	1.8
20.	NE blk	*	12	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2029wP-07 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	173.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SW	*	6.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	271.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	99.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	82.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	269.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	353.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	175.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. SW mdbl	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	186.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	270.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	269.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2029wP-07 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2035NP-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. Sunset A NBA	*	2	-150	2	0	* AG	423	1.2	0.0	10.0
B. Sunset A NBD	*	2	0	2	150	* AG	630	0.9	0.0	10.0
C. Sunset A NBL	*	2	-150	0	0	* AG	0	0.8	0.0	10.0
D. Sunset A SBA	*	-2	150	-2	0	* AG	354	1.2	0.0	10.0
E. Sunset A SBD	*	-2	0	-2	-150	* AG	460	0.8	0.0	10.0
F. Sunset A SBL	*	-2	150	0	0	* AG	121	1.4	0.0	10.0
G. I-10 EB EBA	*	-150	-2	0	-2	* AG	109	1.4	0.0	10.0
H. I-10 EB EBD	*	0	-2	150	-2	* AG	150	0.9	0.0	10.0
I. I-10 EB EBL	*	-150	-2	0	0	* AG	233	1.4	0.0	10.0
J. I-10 EB WBA	*	150	0	0	0	* AG	0	0.8	0.0	10.0
K. I-10 EB WBD	*	0	0	-150	0	* AG	0	0.8	0.0	10.0
L. I-10 EB WBL	*	150	2	0	0	* AG	0	0.8	0.0	10.0
M. Sunset NBAX	*	2	-750	2	-150	* AG	423	0.8	0.0	10.0
N. Sunset NBDX	*	2	150	2	750	* AG	630	0.8	0.0	10.0
O. Sunset SBAX	*	-2	750	-2	150	* AG	475	0.8	0.0	10.0
P. Sunset SBDX	*	-2	-150	-2	-750	* AG	460	0.8	0.0	10.0
Q. I-10 EB EBAX	*	-750	-2	-150	-2	* AG	342	0.8	0.0	10.0
R. I-10 EB EBDX	*	150	-2	750	-2	* AG	150	0.8	0.0	10.0
S. I-10 EB WBAX	*	750	0	150	0	* AG	0	0.8	0.0	10.0
T. I-10 EB WBDX	*	-150	0	-750	0	* AG	0	0.8	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2035NP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

		*	COORDINATES (M)		
RECEPTOR		*	X	Y	Z
		*	-----*		
1.	SE	*	8	-8	1.8
2.	NW	*	-8	7	1.8
3.	SW	*	-8	-8	1.8
4.	NE	*	8	7	1.8
5.	ES mdbl	*	150	-8	1.8
6.	WN mdbl	*	-150	7	1.8
7.	WS mdbl	*	-150	-8	1.8
8.	EN mdbl	*	150	7	1.8
9.	SE mdbl	*	8	-150	1.8
10.	NW mdbl	*	-8	150	1.8
11.	SW mdbl	*	-8	-150	1.8
12.	NE mdbl	*	8	150	1.8
13.	ES blk	*	600	-8	1.8
14.	WN blk	*	-600	7	1.8
15.	WS blk	*	-600	-8	1.8
16.	EN blk	*	600	7	1.8
17.	SE blk	*	8	-600	1.8
18.	NW blk	*	-8	600	1.8
19.	SW blk	*	-8	-600	1.8
20.	NE blk	*	8	600	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2035NP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	353.	*	0.2	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	7.	*	0.2	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
3. SW	*	7.	*	0.2	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
4. NE	*	353.	*	0.2	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	274.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	98.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	81.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	354.	*	0.2	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	173.	*	0.2	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
11. SW mdbl	*	6.	*	0.2	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.2	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	267.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	174.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	6.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2035NP-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2035NP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. Sunset A NBA	*	2	-150	2	0	* AG	24	1.2	0.0	10.0
B. Sunset A NBD	*	2	0	2	150	* AG	70	0.9	0.0	10.0
C. Sunset A NBL	*	2	-150	0	0	* AG	15	1.4	0.0	10.0
D. Sunset A SBA	*	-2	150	-2	0	* AG	63	1.2	0.0	10.0
E. Sunset A SBD	*	-2	0	-2	-150	* AG	29	0.9	0.0	10.0
F. Sunset A SBL	*	-2	150	0	0	* AG	34	1.4	0.0	10.0
G. Westward EBA	*	-150	-2	0	-2	* AG	104	1.2	0.0	10.0
H. Westward EBD	*	0	-2	150	-2	* AG	139	0.9	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	* AG	32	1.4	0.0	10.0
J. Westward WBA	*	150	2	0	2	* AG	129	1.2	0.0	10.0
K. Westward WBD	*	0	2	-150	2	* AG	170	0.9	0.0	10.0
L. Westward WBL	*	150	2	0	0	* AG	7	1.4	0.0	10.0
M. Sunset NBAX	*	2	-750	2	-150	* AG	39	0.8	0.0	10.0
N. Sunset NBDX	*	2	150	2	750	* AG	70	0.8	0.0	10.0
O. Sunset SBAX	*	-2	750	-2	150	* AG	97	0.8	0.0	10.0
P. Sunset SBDX	*	-2	-150	-2	-750	* AG	29	0.8	0.0	10.0
Q. Westwar EBAX	*	-750	-2	-150	-2	* AG	136	0.8	0.0	10.0
R. Westwar EBDX	*	150	-2	750	-2	* AG	139	0.8	0.0	10.0
S. Westwar WBAX	*	750	2	150	2	* AG	136	0.8	0.0	10.0
T. Westwar WBDX	*	-150	2	-750	2	* AG	170	0.8	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2035NP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-8	1.8
2. NW	*	-8	8	1.8
3. SW	*	-8	-8	1.8
4. NE	*	8	8	1.8
5. ES mdbl	*	150	-8	1.8
6. WN mdbl	*	-150	8	1.8
7. WS mdbl	*	-150	-8	1.8
8. EN mdbl	*	150	8	1.8
9. SE mdbl	*	8	-150	1.8
10. NW mdbl	*	-8	150	1.8
11. SW mdbl	*	-8	-150	1.8
12. NE mdbl	*	8	150	1.8
13. ES blk	*	600	-8	1.8
14. WN blk	*	-600	8	1.8
15. WS blk	*	-600	-8	1.8
16. EN blk	*	600	8	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	8	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2035NP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	276.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SW	*	6.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	264.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	276.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	356.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	174.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. SW mdbl	*	3.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	357.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	3.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	185.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 4

JOB: Rancho San Gorgonio Specific Plan

RUN: 2035NP-02 (WORST CASE ANGLE)

POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2035NP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. 22nd Str NBA	*	2	-150	2	0	* AG	0	0.8	0.0	10.0
B. 22nd Str NBD	*	2	0	2	150	* AG	70	0.9	0.0	10.0
C. 22nd Str NBL	*	2	-150	0	0	* AG	0	0.8	0.0	10.0
D. 22nd Str SBA	*	-4	150	-4	0	* AG	15	1.2	0.0	10.0
E. 22nd Str SBD	*	-4	0	-4	-150	* AG	10	0.9	0.0	10.0
F. 22nd Str SBL	*	-2	150	0	0	* AG	61	1.4	0.0	10.0
G. Westward EBA	*	-150	-2	0	-2	* AG	146	1.2	0.0	10.0
H. Westward EBD	*	0	-2	150	-2	* AG	200	0.9	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	* AG	18	1.4	0.0	10.0
J. Westward WBA	*	150	2	0	2	* AG	190	1.2	0.0	10.0
K. Westward WBD	*	0	2	-150	2	* AG	150	0.9	0.0	10.0
L. Westward WBL	*	150	2	0	0	* AG	0	0.8	0.0	10.0
M. 22nd St NBAX	*	2	-750	2	-150	* AG	0	0.8	0.0	10.0
N. 22nd St NBDX	*	2	150	2	750	* AG	70	0.8	0.0	10.0
O. 22nd St SBAX	*	-4	750	-4	150	* AG	76	0.8	0.0	10.0
P. 22nd St SBDX	*	-4	-150	-4	-750	* AG	10	0.8	0.0	10.0
Q. Westwar EBAX	*	-750	-2	-150	-2	* AG	164	0.8	0.0	10.0
R. Westwar EBDX	*	150	-2	750	-2	* AG	200	0.8	0.0	10.0
S. Westwar WBAX	*	750	2	150	2	* AG	190	0.8	0.0	10.0
T. Westwar WBDX	*	-150	2	-750	2	* AG	150	0.8	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2035NP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-8	1.8
2. NW	*	-10	8	1.8
3. SW	*	-10	-8	1.8
4. NE	*	8	8	1.8
5. ES mdbl	*	150	-8	1.8
6. WN mdbl	*	-150	8	1.8
7. WS mdbl	*	-150	-8	1.8
8. EN mdbl	*	150	8	1.8
9. SE mdbl	*	8	-150	1.8
10. NW mdbl	*	-10	150	1.8
11. SW mdbl	*	-10	-150	1.8
12. NE mdbl	*	8	150	1.8
13. ES blk	*	600	-8	1.8
14. WN blk	*	-600	8	1.8
15. WS blk	*	-600	-8	1.8
16. EN blk	*	600	8	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-10	600	1.8
19. SW blk	*	-10	-600	1.8
20. NE blk	*	8	600	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2035NP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SW	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	264.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	276.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	264.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	358.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	170.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. SW mdbl	*	2.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	189.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	358.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	2.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	185.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 4

JOB: Rancho San Gorgonio Specific Plan

RUN: 2035NP-03 (WORST CASE ANGLE)

POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2035NP-04 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. 8th Stre NBA	*	2	-150	2	0	* AG	391	1.2	0.0	10.0
B. 8th Stre NBD	*	2	0	2	150	* AG	580	0.9	0.0	10.0
C. 8th Stre NBL	*	2	-150	0	0	* AG	151	1.4	0.0	10.0
D. 8th Stre SBA	*	-2	150	-2	0	* AG	638	1.3	0.0	10.0
E. 8th Stre SBD	*	-2	0	-2	-150	* AG	320	0.8	0.0	10.0
F. 8th Stre SBL	*	-2	150	0	0	* AG	0	0.8	0.0	10.0
G. I-10 WB EBA	*	-150	0	0	0	* AG	0	0.8	0.0	10.0
H. I-10 WB EBD	*	0	0	150	0	* AG	0	0.8	0.0	10.0
I. I-10 WB EBL	*	-150	-2	0	0	* AG	0	0.8	0.0	10.0
J. I-10 WB WBA	*	150	2	0	2	* AG	195	1.4	0.0	10.0
K. I-10 WB WBD	*	0	2	-150	2	* AG	520	1.4	0.0	10.0
L. I-10 WB WBL	*	150	2	0	0	* AG	45	1.4	0.0	10.0
M. 8th Str NBAX	*	2	-750	2	-150	* AG	542	0.8	0.0	10.0
N. 8th Str NBDX	*	2	150	2	750	* AG	580	0.8	0.0	10.0
O. 8th Str SBAX	*	-2	750	-2	150	* AG	638	0.8	0.0	10.0
P. 8th Str SBDX	*	-2	-150	-2	-750	* AG	320	0.8	0.0	10.0
Q. I-10 WB EBAX	*	-750	0	-150	0	* AG	0	0.8	0.0	10.0
R. I-10 WB EBDX	*	150	0	750	0	* AG	0	0.8	0.0	10.0
S. I-10 WB WBAX	*	750	2	150	2	* AG	240	0.8	0.0	10.0
T. I-10 WB WBDX	*	-150	2	-750	2	* AG	520	0.8	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2035NP-04 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-7	1.8
2. NW	*	-8	8	1.8
3. SW	*	-8	-7	1.8
4. NE	*	8	8	1.8
5. ES mdbl	*	150	-7	1.8
6. WN mdbl	*	-150	8	1.8
7. WS mdbl	*	-150	-7	1.8
8. EN mdbl	*	150	8	1.8
9. SE mdbl	*	8	-150	1.8
10. NW mdbl	*	-8	150	1.8
11. SW mdbl	*	-8	-150	1.8
12. NE mdbl	*	8	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	8	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	8	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	8	600	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2035NP-04 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	353.	*	0.2	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
2. NW	*	7.	*	0.2	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
3. SW	*	7.	*	0.3	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
4. NE	*	263.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	276.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	97.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	81.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	354.	*	0.2	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	173.	*	0.2	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
11. SW mdbl	*	6.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	188.	*	0.2	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	174.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2035NP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2035NP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. 8th Stre NBA	*	2	-150	2	0	* AG	318	1.2	0.0	10.0
B. 8th Stre NBD	*	2	0	2	150	* AG	570	0.9	0.0	10.0
C. 8th Stre NBL	*	2	-150	0	0	* AG	0	0.8	0.0	10.0
D. 8th Stre SBA	*	-2	150	-2	0	* AG	177	1.1	0.0	10.0
E. 8th Stre SBD	*	-2	0	-2	-150	* AG	310	0.8	0.0	10.0
F. 8th Stre SBL	*	-2	150	0	0	* AG	130	1.4	0.0	10.0
G. I-10 EB EBA	*	-150	-2	0	-2	* AG	136	1.4	0.0	10.0
H. I-10 EB EBD	*	0	-2	150	-2	* AG	160	0.9	0.0	10.0
I. I-10 EB EBL	*	-150	-2	0	0	* AG	279	1.4	0.0	10.0
J. I-10 EB WBA	*	150	0	0	0	* AG	0	0.8	0.0	10.0
K. I-10 EB WBD	*	0	0	-150	0	* AG	0	0.8	0.0	10.0
L. I-10 EB WBL	*	150	2	0	0	* AG	0	0.8	0.0	10.0
M. 8th Str NBAX	*	2	-750	2	-150	* AG	318	0.8	0.0	10.0
N. 8th Str NBDX	*	2	150	2	750	* AG	570	0.8	0.0	10.0
O. 8th Str SBAX	*	-2	750	-2	150	* AG	307	0.8	0.0	10.0
P. 8th Str SBDX	*	-2	-150	-2	-750	* AG	310	0.8	0.0	10.0
Q. I-10 EB EBAX	*	-750	-2	-150	-2	* AG	415	0.8	0.0	10.0
R. I-10 EB EBDX	*	150	-2	750	-2	* AG	160	0.8	0.0	10.0
S. I-10 EB WBAX	*	750	0	150	0	* AG	0	0.8	0.0	10.0
T. I-10 EB WBDX	*	-150	0	-750	0	* AG	0	0.8	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2035NP-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-8	1.8
2. NW	*	-8	7	1.8
3. SW	*	-8	-8	1.8
4. NE	*	8	7	1.8
5. ES mdbl	*	150	-8	1.8
6. WN mdbl	*	-150	7	1.8
7. WS mdbl	*	-150	-8	1.8
8. EN mdbl	*	150	7	1.8
9. SE mdbl	*	8	-150	1.8
10. NW mdbl	*	-8	150	1.8
11. SW mdbl	*	-8	-150	1.8
12. NE mdbl	*	8	150	1.8
13. ES blk	*	600	-8	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-8	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	8	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2035NP-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	354.	*	0.2	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	174.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SW	*	6.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	263.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	273.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	98.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	81.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	354.	*	0.1	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	173.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. SW mdbl	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.2	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	267.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	174.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2035NP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2035NP-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W	
DESCRIPTION	*	X1	Y1	X2	Y2	*	TYPE	VPH	(G/MI)	(M)	(M)
A. 8th Stre NBA	*	2	-150	2	0	*	AG	16	1.2	0.0	10.0
B. 8th Stre NBD	*	2	0	2	150	*	AG	91	0.9	0.0	10.0
C. 8th Stre NBL	*	2	-150	0	0	*	AG	4	1.4	0.0	10.0
D. 8th Stre SBA	*	-2	150	-2	0	*	AG	34	1.2	0.0	10.0
E. 8th Stre SBD	*	-2	0	-2	-150	*	AG	31	0.9	0.0	10.0
F. 8th Stre SBL	*	-2	150	0	0	*	AG	57	1.4	0.0	10.0
G. Westward EBA	*	-150	-2	0	-2	*	AG	159	1.2	0.0	10.0
H. Westward EBD	*	0	-2	150	-2	*	AG	220	0.9	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	*	AG	23	1.4	0.0	10.0
J. Westward WBA	*	150	2	0	2	*	AG	243	1.3	0.0	10.0
K. Westward WBD	*	0	2	-150	2	*	AG	210	0.9	0.0	10.0
L. Westward WBL	*	150	2	0	0	*	AG	16	1.4	0.0	10.0
M. 8th Str NBAX	*	2	-750	2	-150	*	AG	20	0.8	0.0	10.0
N. 8th Str NBDX	*	2	150	2	750	*	AG	91	0.8	0.0	10.0
O. 8th Str SBAX	*	-2	750	-2	150	*	AG	91	0.8	0.0	10.0
P. 8th Str SBDX	*	-2	-150	-2	-750	*	AG	31	0.8	0.0	10.0
Q. Westwar EBAX	*	-750	-2	-150	-2	*	AG	182	0.8	0.0	10.0
R. Westwar EBDX	*	150	-2	750	-2	*	AG	220	0.8	0.0	10.0
S. Westwar WBAX	*	750	2	150	2	*	AG	259	0.8	0.0	10.0
T. Westwar WBDX	*	-150	2	-750	2	*	AG	210	0.8	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2035NP-06 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	8	-8	1.8
2. NW	*	-8	8	1.8
3. SW	*	-8	-8	1.8
4. NE	*	8	8	1.8
5. ES mdbl	*	150	-8	1.8
6. WN mdbl	*	-150	8	1.8
7. WS mdbl	*	-150	-8	1.8
8. EN mdbl	*	150	8	1.8
9. SE mdbl	*	8	-150	1.8
10. NW mdbl	*	-8	150	1.8
11. SW mdbl	*	-8	-150	1.8
12. NE mdbl	*	8	150	1.8
13. ES blk	*	600	-8	1.8
14. WN blk	*	-600	8	1.8
15. WS blk	*	-600	-8	1.8
16. EN blk	*	600	8	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	8	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2035NP-06 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	83.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SW	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	97.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	276.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	264.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	357.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	172.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. SW mdbl	*	3.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	276.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	85.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	357.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	3.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	185.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2035NP-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2035NP-07 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*			EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	*	TYPE	VPH	(G/MI)	(M)	(M)
A. San Gorg NBA	*	5	-150	5	0	*	AG	64	1.4	0.0	10.0
B. San Gorg NBD	*	5	0	5	150	*	AG	140	0.9	0.0	10.0
C. San Gorg NBL	*	5	-150	0	0	*	AG	77	1.4	0.0	10.0
D. San Gorg SBA	*	-2	150	-2	0	*	AG	171	1.4	0.0	10.0
E. San Gorg SBD	*	-2	0	-2	-150	*	AG	160	0.9	0.0	10.0
F. San Gorg SBL	*	-2	150	0	0	*	AG	8	1.4	0.0	10.0
G. Westward EBA	*	-150	-2	0	-2	*	AG	114	1.1	0.0	10.0
H. Westward EBD	*	0	-2	150	-2	*	AG	50	0.8	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	*	AG	76	1.4	0.0	10.0
J. Westward WBA	*	150	2	0	2	*	AG	43	1.1	0.0	10.0
K. Westward WBD	*	0	2	-150	2	*	AG	210	0.8	0.0	10.0
L. Westward WBL	*	150	2	0	0	*	AG	7	1.4	0.0	10.0
M. San Gor NBAX	*	5	-750	5	-150	*	AG	141	0.8	0.0	10.0
N. San Gor NBDX	*	5	150	5	750	*	AG	140	0.8	0.0	10.0
O. San Gor SBAX	*	-2	750	-2	150	*	AG	179	0.8	0.0	10.0
P. San Gor SBDX	*	-2	-150	-2	-750	*	AG	160	0.8	0.0	10.0
Q. Westwar EBAX	*	-750	-2	-150	-2	*	AG	190	0.8	0.0	10.0
R. Westwar EBDX	*	150	-2	750	-2	*	AG	50	0.8	0.0	10.0
S. Westwar WBAX	*	750	2	150	2	*	AG	50	0.8	0.0	10.0
T. Westwar WBDX	*	-150	2	-750	2	*	AG	210	0.8	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2035NP-07 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	12	-8	1.8
2. NW	*	-8	8	1.8
3. SW	*	-8	-8	1.8
4. NE	*	12	8	1.8
5. ES mdbl	*	150	-8	1.8
6. WN mdbl	*	-150	8	1.8
7. WS mdbl	*	-150	-8	1.8
8. EN mdbl	*	150	8	1.8
9. SE mdbl	*	12	-150	1.8
10. NW mdbl	*	-8	150	1.8
11. SW mdbl	*	-8	-150	1.8
12. NE mdbl	*	12	150	1.8
13. ES blk	*	600	-8	1.8
14. WN blk	*	-600	8	1.8
15. WS blk	*	-600	-8	1.8
16. EN blk	*	600	8	1.8
17. SE blk	*	12	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	12	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2035NP-07 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	276.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	173.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SW	*	6.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	264.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	273.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	98.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	82.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	353.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	174.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. SW mdbl	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	273.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	267.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	355.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 4

JOB: Rancho San Gorgonio Specific Plan

RUN: 2035NP-07 (WORST CASE ANGLE)

POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2035wP-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. Sunset A NBA	*	2	-150	2	0	* AG	721	1.4	0.0	10.0
B. Sunset A NBD	*	2	0	2	150	* AG	911	1.1	0.0	10.0
C. Sunset A NBL	*	2	-150	0	0	* AG	0	0.8	0.0	10.0
D. Sunset A SBA	*	-2	150	-2	0	* AG	676	1.3	0.0	10.0
E. Sunset A SBD	*	-2	0	-2	-150	* AG	902	1.1	0.0	10.0
F. Sunset A SBL	*	-2	150	0	0	* AG	121	1.4	0.0	10.0
G. I-10 EB EBA	*	-150	-2	0	-2	* AG	229	1.4	0.0	10.0
H. I-10 EB EBD	*	0	-2	150	-2	* AG	167	0.9	0.0	10.0
I. I-10 EB EBL	*	-150	-2	0	0	* AG	233	1.4	0.0	10.0
J. I-10 EB WBA	*	150	0	0	0	* AG	0	0.8	0.0	10.0
K. I-10 EB WBD	*	0	0	-150	0	* AG	0	0.8	0.0	10.0
L. I-10 EB WBL	*	150	2	0	0	* AG	0	0.8	0.0	10.0
M. Sunset NBAX	*	2	-750	2	-150	* AG	721	0.8	0.0	10.0
N. Sunset NBDX	*	2	150	2	750	* AG	911	0.8	0.0	10.0
O. Sunset SBAX	*	-2	750	-2	150	* AG	797	0.8	0.0	10.0
P. Sunset SBDX	*	-2	-150	-2	-750	* AG	902	0.8	0.0	10.0
Q. I-10 EB EBAX	*	-750	-2	-150	-2	* AG	462	0.8	0.0	10.0
R. I-10 EB EBDX	*	150	-2	750	-2	* AG	167	0.8	0.0	10.0
S. I-10 EB WBAX	*	750	0	150	0	* AG	0	0.8	0.0	10.0
T. I-10 EB WBDX	*	-150	0	-750	0	* AG	0	0.8	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2035wP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

		*	COORDINATES (M)		
RECEPTOR		*	X	Y	Z
		*	-----*		
1.	SE	*	8	-8	1.8
2.	NW	*	-8	7	1.8
3.	SW	*	-8	-8	1.8
4.	NE	*	8	7	1.8
5.	ES mdbl	*	150	-8	1.8
6.	WN mdbl	*	-150	7	1.8
7.	WS mdbl	*	-150	-8	1.8
8.	EN mdbl	*	150	7	1.8
9.	SE mdbl	*	8	-150	1.8
10.	NW mdbl	*	-8	150	1.8
11.	SW mdbl	*	-8	-150	1.8
12.	NE mdbl	*	8	150	1.8
13.	ES blk	*	600	-8	1.8
14.	WN blk	*	-600	7	1.8
15.	WS blk	*	-600	-8	1.8
16.	EN blk	*	600	7	1.8
17.	SE blk	*	8	-600	1.8
18.	NW blk	*	-8	600	1.8
19.	SW blk	*	-8	-600	1.8
20.	NE blk	*	8	600	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2035wP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	352.	*	0.3	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
2. NW	*	172.	*	0.3	*	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
3. SW	*	8.	*	0.3	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
4. NE	*	352.	*	0.3	*	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.0
5. ES mdbl	*	273.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	99.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	81.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
8. EN mdbl	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	353.	*	0.3	*	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0
10. NW mdbl	*	173.	*	0.3	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
11. SW mdbl	*	6.	*	0.3	*	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.3	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
13. ES blk	*	274.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	174.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	6.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2035wP-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2035wP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*			EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	*	TYPE	VPH	(G/MI)	(M)	(M)
A. Sunset A NBA	*	5	-150	5	0	*	AG	138	1.2	0.0	10.0
B. Sunset A NBD	*	5	0	5	150	*	AG	380	0.9	0.0	10.0
C. Sunset A NBL	*	5	-150	0	0	*	AG	53	1.4	0.0	10.0
D. Sunset A SBA	*	-5	150	-5	0	*	AG	213	1.3	0.0	10.0
E. Sunset A SBD	*	-5	0	-5	-150	*	AG	292	0.9	0.0	10.0
F. Sunset A SBL	*	-5	150	0	0	*	AG	344	1.4	0.0	10.0
G. Westward EBA	*	-150	-5	0	-5	*	AG	345	1.3	0.0	10.0
H. Westward EBD	*	0	-5	150	-5	*	AG	652	1.0	0.0	10.0
I. Westward EBL	*	-150	-5	0	0	*	AG	32	1.4	0.0	10.0
J. Westward WBA	*	150	5	0	5	*	AG	476	1.3	0.0	10.0
K. Westward WBD	*	0	5	-150	5	*	AG	330	0.9	0.0	10.0
L. Westward WBL	*	150	5	0	0	*	AG	53	1.4	0.0	10.0
M. Sunset NBAX	*	5	-750	5	-150	*	AG	191	0.8	0.0	10.0
N. Sunset NBDX	*	5	150	5	750	*	AG	380	0.8	0.0	10.0
O. Sunset SBAX	*	-5	750	-5	150	*	AG	557	0.8	0.0	10.0
P. Sunset SBDX	*	-5	-150	-5	-750	*	AG	292	0.8	0.0	10.0
Q. Westwar EBAX	*	-750	-5	-150	-5	*	AG	377	0.8	0.0	10.0
R. Westwar EBDX	*	150	-5	750	-5	*	AG	652	0.8	0.0	10.0
S. Westwar WBAX	*	750	5	150	5	*	AG	529	0.8	0.0	10.0
T. Westwar WBDX	*	-150	5	-750	5	*	AG	330	0.8	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2035wP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	12	-12	1.8
2. NW	*	-12	12	1.8
3. SW	*	-12	-12	1.8
4. NE	*	12	12	1.8
5. ES mdbl	*	150	-12	1.8
6. WN mdbl	*	-150	12	1.8
7. WS mdbl	*	-150	-12	1.8
8. EN mdbl	*	150	12	1.8
9. SE mdbl	*	12	-150	1.8
10. NW mdbl	*	-12	150	1.8
11. SW mdbl	*	-12	-150	1.8
12. NE mdbl	*	12	150	1.8
13. ES blk	*	600	-12	1.8
14. WN blk	*	-600	12	1.8
15. WS blk	*	-600	-12	1.8
16. EN blk	*	600	12	1.8
17. SE blk	*	12	-600	1.8
18. NW blk	*	-12	600	1.8
19. SW blk	*	-12	-600	1.8
20. NE blk	*	12	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2035wP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	352.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	97.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SW	*	82.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
4. NE	*	261.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	279.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
6. WN mdbl	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	84.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
8. EN mdbl	*	262.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	355.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	171.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
11. SW mdbl	*	6.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	188.	*	0.1	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	276.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	264.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	355.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	174.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	6.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2035wP-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2035wP-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. 22nd Str NBA	*	5	-150	5	0	* AG	239	1.3	0.0	10.0
B. 22nd Str NBD	*	5	0	5	150	* AG	268	0.9	0.0	10.0
C. 22nd Str NBL	*	5	-150	0	0	* AG	189	1.4	0.0	10.0
D. 22nd Str SBA	*	-5	150	-5	0	* AG	304	1.3	0.0	10.0
E. 22nd Str SBD	*	-5	0	-5	-150	* AG	637	1.0	0.0	10.0
F. 22nd Str SBL	*	-5	150	0	0	* AG	61	1.4	0.0	10.0
G. Westward EBA	*	-150	-2	0	-2	* AG	521	1.3	0.0	10.0
H. Westward EBD	*	0	-2	150	-2	* AG	339	0.9	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	* AG	28	1.4	0.0	10.0
J. Westward WBA	*	150	2	0	2	* AG	261	1.3	0.0	10.0
K. Westward WBD	*	0	2	-150	2	* AG	427	0.9	0.0	10.0
L. Westward WBL	*	150	2	0	0	* AG	68	1.4	0.0	10.0
M. 22nd St NBAX	*	5	-750	5	-150	* AG	428	0.8	0.0	10.0
N. 22nd St NBDX	*	5	150	5	750	* AG	268	0.8	0.0	10.0
O. 22nd St SBAX	*	-5	750	-5	150	* AG	365	0.8	0.0	10.0
P. 22nd St SBDX	*	-5	-150	-5	-750	* AG	637	0.8	0.0	10.0
Q. Westwar EBAX	*	-750	-2	-150	-2	* AG	549	0.8	0.0	10.0
R. Westwar EBDX	*	150	-2	750	-2	* AG	339	0.8	0.0	10.0
S. Westwar WBAX	*	750	2	150	2	* AG	329	0.8	0.0	10.0
T. Westwar WBDX	*	-150	2	-750	2	* AG	427	0.8	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2035wP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

		*	COORDINATES (M)		
RECEPTOR		*	X	Y	Z
		*	-----*		
1.	SE	*	12	-8	1.8
2.	NW	*	-12	8	1.8
3.	SW	*	-12	-8	1.8
4.	NE	*	12	8	1.8
5.	ES mdbl k	*	150	-8	1.8
6.	WN mdbl k	*	-150	8	1.8
7.	WS mdbl k	*	-150	-8	1.8
8.	EN mdbl k	*	150	8	1.8
9.	SE mdbl k	*	12	-150	1.8
10.	NW mdbl k	*	-12	150	1.8
11.	SW mdbl k	*	-12	-150	1.8
12.	NE mdbl k	*	12	150	1.8
13.	ES blk	*	600	-8	1.8
14.	WN blk	*	-600	8	1.8
15.	WS blk	*	-600	-8	1.8
16.	EN blk	*	600	8	1.8
17.	SE blk	*	12	-600	1.8
18.	NW blk	*	-12	600	1.8
19.	SW blk	*	-12	-600	1.8
20.	NE blk	*	12	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2035wP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	276.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
2. NW	*	172.	*	0.2	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
3. SW	*	82.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	263.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
5. ES mdbl	*	275.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	98.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
7. WS mdbl	*	83.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
8. EN mdbl	*	264.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	351.	*	0.2	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	174.	*	0.2	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
11. SW mdbl	*	8.	*	0.2	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	*	186.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	6.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2035wP-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2035wP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. 8th Stre NBA	*	5	-150	5	0	* AG	480	1.2	0.0	10.0
B. 8th Stre NBD	*	5	0	5	150	* AG	669	0.9	0.0	10.0
C. 8th Stre NBL	*	5	-150	0	0	* AG	179	1.4	0.0	10.0
D. 8th Stre SBA	*	-2	150	-2	0	* AG	770	1.4	0.0	10.0
E. 8th Stre SBD	*	-2	0	-2	-150	* AG	529	0.9	0.0	10.0
F. 8th Stre SBL	*	-2	150	0	0	* AG	0	0.8	0.0	10.0
G. I-10 WB EBA	*	-150	0	0	0	* AG	0	0.8	0.0	10.0
H. I-10 WB EBD	*	0	0	150	0	* AG	0	0.8	0.0	10.0
I. I-10 WB EBL	*	-150	-2	0	0	* AG	0	0.8	0.0	10.0
J. I-10 WB WBA	*	150	2	0	2	* AG	195	1.4	0.0	10.0
K. I-10 WB WBD	*	0	2	-150	2	* AG	548	1.4	0.0	10.0
L. I-10 WB WBL	*	150	2	0	0	* AG	122	1.4	0.0	10.0
M. 8th Str NBAX	*	5	-750	5	-150	* AG	659	0.8	0.0	10.0
N. 8th Str NBDX	*	5	150	5	750	* AG	669	0.8	0.0	10.0
O. 8th Str SBAX	*	-2	750	-2	150	* AG	770	0.8	0.0	10.0
P. 8th Str SBDX	*	-2	-150	-2	-750	* AG	529	0.8	0.0	10.0
Q. I-10 WB EBAX	*	-750	0	-150	0	* AG	0	0.8	0.0	10.0
R. I-10 WB EBDX	*	150	0	750	0	* AG	0	0.8	0.0	10.0
S. I-10 WB WBAX	*	750	2	150	2	* AG	317	0.8	0.0	10.0
T. I-10 WB WBDX	*	-150	2	-750	2	* AG	548	0.8	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2035wP-04 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	12	-7	1.8
2. NW	*	-8	8	1.8
3. SW	*	-8	-7	1.8
4. NE	*	12	8	1.8
5. ES mdbl	*	150	-7	1.8
6. WN mdbl	*	-150	8	1.8
7. WS mdbl	*	-150	-7	1.8
8. EN mdbl	*	150	8	1.8
9. SE mdbl	*	12	-150	1.8
10. NW mdbl	*	-8	150	1.8
11. SW mdbl	*	-8	-150	1.8
12. NE mdbl	*	12	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	8	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	8	1.8
17. SE blk	*	12	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	12	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2035wP-04 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	352.	*	0.2	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
2. NW	*	172.	*	0.2	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
3. SW	*	7.	*	0.3	*	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
4. NE	*	263.	*	0.2	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
5. ES mdbl	*	276.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	97.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	82.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	353.	*	0.2	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	173.	*	0.3	*	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
11. SW mdbl	*	6.	*	0.2	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	*	188.	*	0.2	*	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	95.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	174.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	6.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2035wP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2035wP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*			EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	*	TYPE	VPH	(G/MI)	(M)	(M)
A. 8th Stre NBA	*	2	-150	2	0	*	AG	483	1.2	0.0	10.0
B. 8th Stre NBD	*	2	0	2	150	*	AG	687	0.9	0.0	10.0
C. 8th Stre NBL	*	2	-150	0	0	*	AG	0	0.8	0.0	10.0
D. 8th Stre SBA	*	-5	150	-5	0	*	AG	386	1.2	0.0	10.0
E. 8th Stre SBD	*	-5	0	-5	-150	*	AG	566	0.9	0.0	10.0
F. 8th Stre SBL	*	-5	150	0	0	*	AG	130	1.4	0.0	10.0
G. I-10 EB EBA	*	-150	-2	0	-2	*	AG	183	1.4	0.0	10.0
H. I-10 EB EBD	*	0	-2	150	-2	*	AG	208	0.9	0.0	10.0
I. I-10 EB EBL	*	-150	-2	0	0	*	AG	279	1.4	0.0	10.0
J. I-10 EB WBA	*	150	0	0	0	*	AG	0	0.8	0.0	10.0
K. I-10 EB WBD	*	0	0	-150	0	*	AG	0	0.8	0.0	10.0
L. I-10 EB WBL	*	150	2	0	0	*	AG	0	0.8	0.0	10.0
M. 8th Str NBAX	*	2	-750	2	-150	*	AG	483	0.8	0.0	10.0
N. 8th Str NBDX	*	2	150	2	750	*	AG	687	0.8	0.0	10.0
O. 8th Str SBAX	*	-5	750	-5	150	*	AG	516	0.8	0.0	10.0
P. 8th Str SBDX	*	-5	-150	-5	-750	*	AG	566	0.8	0.0	10.0
Q. I-10 EB EBAX	*	-750	-2	-150	-2	*	AG	462	0.8	0.0	10.0
R. I-10 EB EBDX	*	150	-2	750	-2	*	AG	208	0.8	0.0	10.0
S. I-10 EB WBAX	*	750	0	150	0	*	AG	0	0.8	0.0	10.0
T. I-10 EB WBDX	*	-150	0	-750	0	*	AG	0	0.8	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2035wP-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*			
1. SE	*	8	-8	1.8
2. NW	*	-12	7	1.8
3. SW	*	-12	-8	1.8
4. NE	*	8	7	1.8
5. ES mdbl k	*	150	-8	1.8
6. WN mdbl k	*	-150	7	1.8
7. WS mdbl k	*	-150	-8	1.8
8. EN mdbl k	*	150	7	1.8
9. SE mdbl k	*	8	-150	1.8
10. NW mdbl k	*	-12	150	1.8
11. SW mdbl k	*	-12	-150	1.8
12. NE mdbl k	*	8	150	1.8
13. ES blk	*	600	-8	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-8	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	8	-600	1.8
18. NW blk	*	-12	600	1.8
19. SW blk	*	-12	-600	1.8
20. NE blk	*	8	600	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2035wP-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	353.	*	0.2	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	173.	*	0.2	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
3. SW	*	7.	*	0.2	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
4. NE	*	263.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	273.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	98.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	81.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	354.	*	0.2	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	173.	*	0.2	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
11. SW mdbl	*	6.	*	0.2	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.2	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	275.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	266.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	174.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	6.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2035wP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Rancho San Gorgonio Specific Plan
RUN: 2035wP-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*			EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	*	TYPE	VPH	(G/MI)	(M)	(M)
A. 8th Stre NBA	*	5	-150	5	0	*	AG	191	1.2	0.0	10.0
B. 8th Stre NBD	*	5	0	5	150	*	AG	282	0.9	0.0	10.0
C. 8th Stre NBL	*	5	-150	0	0	*	AG	61	1.4	0.0	10.0
D. 8th Stre SBA	*	-2	150	-2	0	*	AG	324	1.3	0.0	10.0
E. 8th Stre SBD	*	-2	0	-2	-150	*	AG	401	0.9	0.0	10.0
F. 8th Stre SBL	*	-2	150	0	0	*	AG	57	1.4	0.0	10.0
G. Westward EBA	*	-150	-2	0	-2	*	AG	263	1.3	0.0	10.0
H. Westward EBD	*	0	-2	150	-2	*	AG	247	0.9	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	*	AG	54	1.4	0.0	10.0
J. Westward WBA	*	150	5	0	5	*	AG	258	1.3	0.0	10.0
K. Westward WBD	*	0	5	-150	5	*	AG	319	0.9	0.0	10.0
L. Westward WBL	*	150	5	0	0	*	AG	41	1.4	0.0	10.0
M. 8th Str NBAX	*	5	-750	5	-150	*	AG	252	0.8	0.0	10.0
N. 8th Str NBDX	*	5	150	5	750	*	AG	282	0.8	0.0	10.0
O. 8th Str SBAX	*	-2	750	-2	150	*	AG	381	0.8	0.0	10.0
P. 8th Str SBDX	*	-2	-150	-2	-750	*	AG	401	0.8	0.0	10.0
Q. Westwar EBAX	*	-750	-2	-150	-2	*	AG	317	0.8	0.0	10.0
R. Westwar EBDX	*	150	-2	750	-2	*	AG	247	0.8	0.0	10.0
S. Westwar WBAX	*	750	5	150	5	*	AG	299	0.8	0.0	10.0
T. Westwar WBDX	*	-150	5	-750	5	*	AG	319	0.8	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2035wP-06 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	12	-8	1.8
2. NW	*	-8	12	1.8
3. SW	*	-8	-8	1.8
4. NE	*	12	12	1.8
5. ES mdbl k	*	150	-8	1.8
6. WN mdbl k	*	-150	12	1.8
7. WS mdbl k	*	-150	-8	1.8
8. EN mdbl k	*	150	12	1.8
9. SE mdbl k	*	12	-150	1.8
10. NW mdbl k	*	-8	150	1.8
11. SW mdbl k	*	-8	-150	1.8
12. NE mdbl k	*	12	150	1.8
13. ES blk	*	600	-8	1.8
14. WN blk	*	-600	12	1.8
15. WS blk	*	-600	-8	1.8
16. EN blk	*	600	12	1.8
17. SE blk	*	12	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	12	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2035wP-06 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	277.	*	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
2. NW	*	173.	*	0.2	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
3. SW	*	7.	*	0.2	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
4. NE	*	263.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	276.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	97.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	83.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
8. EN mdbl	*	264.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	353.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	173.	*	0.1	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
11. SW mdbl	*	6.	*	0.1	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	276.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	265.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	174.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	6.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2035wP-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2035wP-07 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 732. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(M)	(M)
A. San Gorg NBA	*	5	-150	5	0	* AG	69	1.2	0.0	10.0
B. San Gorg NBD	*	5	0	5	150	* AG	146	0.9	0.0	10.0
C. San Gorg NBL	*	5	-150	0	0	* AG	84	1.4	0.0	10.0
D. San Gorg SBA	*	-2	150	-2	0	* AG	180	1.2	0.0	10.0
E. San Gorg SBD	*	-2	0	-2	-150	* AG	174	0.9	0.0	10.0
F. San Gorg SBL	*	-2	150	0	0	* AG	8	1.4	0.0	10.0
G. Westward EBA	*	-150	-2	0	-2	* AG	138	1.2	0.0	10.0
H. Westward EBD	*	0	-2	150	-2	* AG	70	0.9	0.0	10.0
I. Westward EBL	*	-150	-2	0	0	* AG	79	1.4	0.0	10.0
J. Westward WBA	*	150	2	0	2	* AG	71	1.2	0.0	10.0
K. Westward WBD	*	0	2	-150	2	* AG	249	0.9	0.0	10.0
L. Westward WBL	*	150	2	0	0	* AG	10	1.4	0.0	10.0
M. San Gor NBAX	*	5	-750	5	-150	* AG	153	0.8	0.0	10.0
N. San Gor NBDX	*	5	150	5	750	* AG	146	0.8	0.0	10.0
O. San Gor SBAX	*	-2	750	-2	150	* AG	188	0.8	0.0	10.0
P. San Gor SBDX	*	-2	-150	-2	-750	* AG	174	0.8	0.0	10.0
Q. Westwar EBAX	*	-750	-2	-150	-2	* AG	217	0.8	0.0	10.0
R. Westwar EBDX	*	150	-2	750	-2	* AG	70	0.8	0.0	10.0
S. Westwar WBAX	*	750	2	150	2	* AG	81	0.8	0.0	10.0
T. Westwar WBDX	*	-150	2	-750	2	* AG	249	0.8	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
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JOB: Rancho San Gorgonio Specific Plan
 RUN: 2035wP-07 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
	*	-----*		
1. SE	*	12	-8	1.8
2. NW	*	-8	8	1.8
3. SW	*	-8	-8	1.8
4. NE	*	12	8	1.8
5. ES mdbl	*	150	-8	1.8
6. WN mdbl	*	-150	8	1.8
7. WS mdbl	*	-150	-8	1.8
8. EN mdbl	*	150	8	1.8
9. SE mdbl	*	12	-150	1.8
10. NW mdbl	*	-8	150	1.8
11. SW mdbl	*	-8	-150	1.8
12. NE mdbl	*	12	150	1.8
13. ES blk	*	600	-8	1.8
14. WN blk	*	-600	8	1.8
15. WS blk	*	-600	-8	1.8
16. EN blk	*	600	8	1.8
17. SE blk	*	12	-600	1.8
18. NW blk	*	-8	600	1.8
19. SW blk	*	-8	-600	1.8
20. NE blk	*	12	600	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 3

JOB: Rancho San Gorgonio Specific Plan
 RUN: 2035wP-07 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	CONC/LINK (PPM)							
						A	B	C	D	E	F	G	H
1. SE	*	276.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	173.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SW	*	6.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. NE	*	264.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ES mdbl	*	273.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. WN mdbl	*	98.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. WS mdbl	*	82.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. EN mdbl	*	267.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. SE mdbl	*	353.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. NW mdbl	*	175.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. SW mdbl	*	6.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. NE mdbl	*	187.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. ES blk	*	273.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. WN blk	*	96.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. WS blk	*	84.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16. EN blk	*	267.	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. SE blk	*	354.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18. NW blk	*	175.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19. SW blk	*	5.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20. NE blk	*	186.	*	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Rancho San Gorgonio Specific Plan
RUN: 2035wP-07 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	* * * * *	CONC/LINK (PPM)											
		I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. NW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3.	SW	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.	NE	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	ES mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.	WN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	WS mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	EN mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	SE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	NW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.	SW mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	NE mdbl	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	ES blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.	WN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.	WS blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.	EN blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.	SE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	NW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.	SW blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.	NE blk	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0