

**APPENDIX AQ-1**  
**AIR QUALITY AND GREENHOUSE GAS EMISSION**  
**CALCULATIONS TECHNICAL MEMORANDUM**  
**JANUARY 2025**

## MEMORANDUM

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**To:** Sacramento Valley Energy Center, LLC  
**From:** Adam Poll, Senior Air Quality Technical Specialist, Dudek  
**Subject:** Air Quality and Greenhouse Gas Emission Calculations Technical Memorandum for the Coyote Creek Agrivoltaic Ranch Project  
**Date:** January 29, 2025  
**Attachments:** A, Emission Calculation Worksheets (CalEEMod, OFFROAD, Mitigation Fee Spreadsheet)  
B, Health Risk Assessment Outputs  
C, Climate Action Plan Consistency Checklist

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## Introduction

Dudek is pleased to submit this air quality, and greenhouse gas (GHG) emissions construction and operational emissions modeling and methodology memorandum to assist the County of Sacramento with environmental documentation requirements for the Coyote Creek Agrivoltaic Ranch Project (project or proposed project). The project is in the Sloughhouse community within the Sacramento County, California.

Once operational the project will help the Sacramento Municipal Utility District (SMUD) to meet its renewable energy goals. It is anticipated to offset significant emissions that will replace traditional energy sources. Nonetheless, construction and to a lesser degree operations of the project will still create some emissions from vehicles and soil disturbance. The estimated construction and operational air quality and greenhouse emissions are minor as compared to the overall emissions reductions from renewable energy production from the during the estimated life of the project. The purpose of this memorandum is to estimate air pollutant emissions and GHG emissions from construction and operation of the proposed project. The contents of this memorandum are as follows: project description; general analysis and methodology, construction, and operation assumptions; emissions calculations and references cited.

## 1 Project Description

The proposed project is a proposed 200-megawatt alternating current solar photovoltaic (PV) and energy storage facility within a project area of on approximately 2,704 acres. 1,412 acres of this area is the proposed is the solar development area and the other 1,292 acres comprise adjacent other lands. The project site is located on the Barton Ranch adjacent to 3830 Scott Road, Sacramento County, California. The site is approximately 2.5 miles south of White Rock Road in the Cosumnes community. The Project site is located approximately 4.5 miles south of U.S. Route 50, southeast of the Prairie City State Vehicle Recreation Area and is bisected by Scott Road. The proposed project would also include the construction, operation, and maintenance of a 230-kilovolt generation tie (gen-tie) line adjacent to the

existing powerline. An operations and maintenance building would be constructed to support periodic maintenance activities. The operations would be monitored remotely through the supervisory control and data acquisition system, and periodic inspections and maintenance activities would occur.

During operation of the proposed project water will be used for operations and maintenance of the project. Water trucks would be used to deliver water for panel washing operations from a local water purveyor. The proposed project may also use water to wash the solar modules should it be determined to be beneficial to the proposed project. The proposed project estimates a water requirement of approximately 2.2 acre-feet per year during plant operation.

### Substation/Switchyard

The project on-site substation would be the termination point of the collection system for 34.5 kilovolts of electricity. The output of the entire field would be passed through a final interconnection step-up transformer to convert it to the grid tie voltage at 230 kilovolts. The communication system may include above or below ground fiber optic cable or microwave tower. The proposed project would be interconnected to the regional transmission system from the on-site substation/switchyard via the gen-tie facilities. Additionally, the on-site substation would host the grid intertie safety equipment and switches required to interconnect to the high-voltage transmission system.

### Energy Storage

The Project will incorporate a battery energy storage facility as well as energy storage being housed within the inverters. The energy storage system is proposed to provide a capacity of approximately 400 megawatt hours (MWh) and may be centralized and located adjacent to the substation or switchgear, or alternatively, the energy storage component may be distributed throughout the plant adjacent to individual power conversion centers. If a structure is used, the batteries would be housed in racking (similar to computer racking) 7 feet to 9 feet high, to allow efficient airflow between the batteries. The associated inverters, transformers, and switchgear would be located immediately adjacent to the energy storage facilities on concrete pads outdoors. The energy storage system may store energy generated by the project, or it may store energy from the grid.

The energy storage equipment would be enclosed in a structure or container boxes that would also have a fire rating in conformance with local fire authority and County standards. The energy storage facilities would also have heating, ventilation, and air conditioning in areas with batteries to maintain energy efficiency. Power to the heating, ventilation, and air conditioning and lighting, among others, would be provided through a connection to the on-site station service transformer with connection lines installed above- and/or below ground. The energy storage system would be un-staffed and have remote operational control. Periodic inspections/maintenance would be performed, as necessary.

### Generation Tie-line

The energy from the solar energy generation and energy storage systems would be transported from the on-site substation to SMUD's 230-kilovolt powerlines. The proposed route of the gen-tie line would extend approximately 1.3 miles from the facility's on-site substation to western terminus of the gen-tie where it would interconnect into SMUD facilities.

## 2 General Analysis and Methodology

The project is located within the Sacramento Valley Air Basin and is within the jurisdictional boundaries of the Sacramento Metropolitan Air Quality Management District (SMAQMD), which has jurisdiction over the County

where the project is located. The California Emissions Estimator Model (CalEEMod) Version 2020.4.0<sup>1</sup> and OFFROAD model were used to estimate emissions from construction of the project (CAPCOA 2021; CARB 2021). CalEEMod is a statewide computer model developed for the California Air Pollution Officers Association in cooperation with air districts throughout the state to quantify criteria air pollutant and GHG emissions associated with construction activities and operation of a variety of land use projects, such as residential, commercial, and industrial facilities. CalEEMod input parameters, including the land use type used to represent the project and its size, construction schedule, and anticipated use of construction equipment, were based on information provided by the applicant or default model assumptions if project specifics were unavailable. The use of all-terrain vehicles was calculated in the California Air Resource Board's (CARB) OFFROAD model as all-terrain vehicles are not a selectable equipment type in CalEEMod. Construction was conservatively assumed to commence in March 2024 and continue through August 2025. The first operational year was assumed to be 2025.

### Air Quality

Criteria air pollutants are defined as pollutants for which the federal and state governments have established ambient air quality standards, or criteria, for outdoor concentrations and are set at levels to protect public health. Criteria air pollutants that are evaluated include reactive organic gases (ROGs, also referred to as volatile organic compounds (VOCs)), oxides of nitrogen (NO<sub>x</sub>), carbon monoxide (CO), sulfur oxides (SO<sub>x</sub>), particulate matter with an aerodynamic diameter less than or equal to 10 microns in size (coarse particulate matter, or PM<sub>10</sub>), and particulate matter with an aerodynamic diameter less than or equal to 2.5 microns in size (fine particulate matter, or PM<sub>2.5</sub>). ROGs and NO<sub>x</sub> are important because they are precursors to ozone (O<sub>3</sub>). Criteria air pollutant emissions associated with construction of the proposed project were estimated for the following emission sources: operation of off-road construction equipment, paving, architectural coating, on-road material delivery trucks, and worker vehicles. CARB and SMAQMD have adopted air quality management plans and regulations to achieve compliance with the state and federal air quality standards. The state and federal air quality standards are set at levels to protect human health, including the health of at risk populations. SMAQMD has also adopted mass-based thresholds of significance regarding certain emissions of criteria pollutants for which the SMAQMD is nonattainment (NO<sub>x</sub>, VOCs, PM<sub>10</sub>, and PM<sub>2.5</sub>)<sup>2</sup>. There are additional concentration-based thresholds for other pollutants for which the Sacramento Valley Air Basin is in attainment for (CO, NO<sub>2</sub>, SO<sub>2</sub>, lead, visibility reducing particles, sulfates, hydrogen sulfide, and vinyl chloride). SMAQMD has also established thresholds for toxic air contaminant (TAC) health risks for cancer risk and non-cancer (chronic and acute) risk. Regulations adopted by CARB control emissions from off-road diesel equipment. (13 CCR Section 2449 et. seq.,) All contractors using off-road diesel equipment are subject to these regulations. The implementation schedule of the CARB standards is based on

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<sup>1</sup> At the time the notice of preparation was prepared on January 19, 2022, CalEEMod 2020.4.0 was the latest version of the software available.

<sup>2</sup> Sacramento County is nonattainment for the state 8-hour and 1-hour O<sub>3</sub> standard, 24-hour and annual PM<sub>10</sub> standard, serious nonattainment for the 8-hour O<sub>3</sub> NAAQS, severe nonattainment for the 1-hour O<sub>3</sub> NAAQS, nonattainment moderate for the 24-hour PM<sub>2.5</sub> NAAQS, and maintenance for the 24-hour PM<sub>10</sub> NAAQS. NO<sub>x</sub> and VOCs are not criteria air pollutants with NAAQS or CAAQS but precursor pollutants to O<sub>3</sub>.

fleet size (which is the total of all off-road horsepower under common ownership or control), with large fleets beginning compliance in 2014, medium fleets in 2017, and small fleets in 2019. The compliance schedule requires that Best Available Control Technology (BACT) turn overs or retrofits (Verified Diesel Emission Control Strategies installation) be fully implemented by 2023 in all equipment for large fleets (fleets with more than 5,000 horsepower) and medium fleets (fleets with 2,501 to 5,000 horsepower) and by 2028 for small fleets (fleets with less than or equal to 2,500 horsepower). Any heavy-duty diesel equipment manufactured in 2015 or later is required to meet the Tier 4 Final emission standards.

## Greenhouse Gases

GHGs are gases emitted from human and non-human activities, principally from the combustion of fossil fuels that contribute carbon to the atmosphere. The consensus of the scientific community is that GHG emissions from human activities are contributing to climate change effects, including sea level rise and increases in atmospheric temperature. Global GHG emissions due to human activities have grown since pre-industrial times, with an increase of 70% between 1970 and 2004. Carbon dioxide (CO<sub>2</sub>) is the most important anthropogenic GHG. Its annual emissions grew by about 80% between 1970 and 2004. (IPCC 2007). Climate models indicate that climate change is, leading to more extreme hot days and fewer cold nights in California; shifts in the water cycle have been observed, with less winter precipitation falling as snow, and both snowmelt and rainwater running off earlier in the year; sea levels have risen; and wildland fires are becoming more frequent and seasons that start earlier and end later (CNRA 2018). The County of Sacramento adopted a Climate Action Plan (CAP) on November 6, 2024. The CAP projects local increases in average temperature by mid-century and additional increases by late century (County of Sacramento 2024). The total annual precipitation in the County is projected to increase slightly over this same period.

The potential effect each GHG has on climate change is measured as a combination of the mass of its emissions and the potential of a gas or aerosol to trap heat in the atmosphere, known as its global warming potential (GWP), which varies among GHGs. Total GHG emissions are expressed as a function of how much warming would be caused by the same mass of CO<sub>2</sub>. Thus, GHG emissions are typically measured in terms of metric tons (MT) of CO<sub>2</sub> equivalent (CO<sub>2</sub>e). The CO<sub>2</sub>e for a gas is derived by multiplying the mass of the gas by the associated GWP, such that  $MT\ of\ CO_2e = (MT\ of\ a\ GHG) \times (GWP\ of\ the\ GHG)$ . CalEEMod assumes that the GWP for methane (CH<sub>4</sub>) is 25, which means that emissions of 1 MT of CH<sub>4</sub> are equivalent to emissions of 25 MT of CO<sub>2</sub>, and the GWP for nitrous oxide (N<sub>2</sub>O) is 298. This information is based on the Intergovernmental Panel on Climate Change's Fourth Assessment Report (IPCC 2007). GHG emissions associated with construction of the project were estimated for the following emission sources: operation of off-road construction equipment, on-road vendor trucks, and worker vehicles.

Significant reductions in electricity generation from fossil fuels, and large increases in electricity generation from solar facilities are key elements of the State of California goal to reduce GHG emissions by 80% by 2050 (CARB 2022). Additionally, Senate Bill (SB) 100, 50% of electricity must be from renewable energy resources by 2026 and 100% renewables by 2045. Significant near-term reductions in GHG emissions from electricity generation in SMUD jurisdiction (which includes Sacramento County) is also necessary to achieve SMUD's goal of achieving net zero in GHG emissions by 2030. The County's CAP includes measure GOV-BE-02 for the County to offset 100% of its building electricity use with renewable energy by 2030.

## Health Risk Assessment

A health risk assessment (HRA) was performed to evaluate potential health risk associated with construction of the project. The following discussion summarizes the dispersion modeling and HRA methodology; supporting construction HRA documentation, including detailed assumptions, is presented in Attachment B.

For risk assessment purposes, PM<sub>2.5</sub> in diesel exhaust is considered diesel particulate matter (DPM), which the State Air Resources Board identifies as a TAC (CARB n.d.). Conservatively, exhaust PM<sub>10</sub> was used to represent DPM in this assessment. DPM, originates mainly from off-road diesel construction equipment (e.g., bulldozers; graders). Less-intensive, more-dispersed emissions result from on-road vehicle exhaust (e.g., heavy-duty diesel trucks). For the HRA, the DPM emissions from diesel trucks in close proximity to the site was estimated, assuming a trip length of 0.25 miles (SJVAPCD 2018).

The air dispersion modeling methodology was based on generally accepted modeling practices of SMAQMD (SMAQMD 2020b). Air dispersion modeling was performed using the EPA’s American Meteorological Society/Environmental Protection Agency Regulatory Model (AERMOD) Version 22112 modeling system (computer software) with the Lakes Environmental Software implementation/user interface, AERMOD View Version 11.2.0. The HRA followed the Office of Environmental Health Hazard Assessment 2015 guidelines (OEHHA 2015) and SMAQMD guidance to calculate the health risk impacts at all proximate receptors as further discussed below. The dispersion modeling included the use of standard regulatory default options. AERMOD parameters were selected consistent with the SMAQMD and EPA guidance (EPA 2023) and identified as representative of the project site and project activities. The AERMOD MPI was used for AERMOD and AERMAP to utilize up to eight cores and reduce processing time. Principal parameters of this modeling are presented in Table 1, American Meteorological Society/Environmental Protection Agency Regulatory Model Principal Parameters.

**Table 1. American Meteorological Society/Environmental Protection Agency Regulatory Model Principal Parameters**

Parameter	Details
Meteorological Data	AERMOD-specific meteorological data for the Sacramento Executive Airport air monitoring station (#23232) was used for the dispersion modeling as it is closest to the project site and most representative. A 5-year meteorological data set from 2014 through 2018 was obtained from the SMAQMD in a preprocessed format suitable for use in AERMOD (SMAQMD n.d.).
Urban versus Rural Option	Rural dispersion option was selected based on the Auer method specified in EPA’s 40 CFR Part 51, Appendix W, as most of the surrounding area within 3 kilometers is undeveloped.
Terrain Characteristics	The elevation of the site is 250 feet above sea level and the surrounding area is predominantly hilly.
Elevation Data	Digital elevation data were imported into AERMOD and elevations were assigned to receptors and emission sources, as necessary. Digital elevation data were obtained through the AERMOD View in the United States Geological Survey’s National Elevation Dataset format with a resolution of 1° (approximately 30 meters) (USGS 2023).

**Table 1. American Meteorological Society/Environmental Protection Agency Regulatory Model Principal Parameters**

Source Release Characterizations	Source ID:	Source Name:	Source Type:	Source Parameters:
	SLINE1	Offroad Equipment and Trucks <sup>a</sup>	Line Volume	Plume Height: 10.0 m Plume Width: 8.6 m Release Height: 5.0 m Emission Rate <sup>1</sup> : 0.62 g/s Number of Volume Sources: 4,864
	SLINE2	Offroad Equipment and Trucks <sup>a</sup>	Line Volume	Plume Height: 10.0 m Plume Width: 8.6 m Release Height: 5.0 m Emission Rate <sup>1</sup> : 0.03 g/s Number of Volume Sources: 238
	SLINE3	Offroad Equipment and Trucks <sup>a</sup>	Line Volume	Plume Height: 10.0 m Plume Width: 8.6 m Release Height: 5.0 m Emission Rate <sup>1</sup> : 0.35 g/s Number of Volume Sources: 2,743

**Sources:** <sup>a</sup> SMAQMD 2020b.

**Notes:** g/s = grams per second; ID = Identification; and m = meters.

<sup>1</sup> An emission rate of 1 g/s was divided equally between the number of volume sources within the sources modeled.

Regarding receptors, discrete receptors were placed on individual residences near the project site. AERMOD was run with all sources emitting unit emissions (1 gram per second) to obtain the necessary input values for HARP2. The ground-level concentration plot files were then used to estimate the long-term cancer health risk to an individual, and the noncancerous health indices. Plot files were generated for the 1-hour and period averaging times in order model the off-site concentrations for both short-term and long-term exposure.

Cancer risk is defined as the increase in probability (chance) of an individual developing cancer due to exposure to a carcinogenic compound, typically expressed as the increased chances in 1 million. Maximum Individual Cancer Risk is the estimated probability of a maximally exposed individual potentially contracting cancer as a result of exposure to TACs over a period of 30 years for residential receptor locations. The SMAQMD significance threshold of 10 in 1 million for cancer is based on a 30-year exposure duration in accordance with the Office of Environmental Health Hazard Assessment's 2015 Guidelines (OEHHA 2015). However, exposure should be limited to the duration of construction.

The SMAQMD has also established noncarcinogenic risk parameters for use in HRAs since some TACs increase noncancerous health risk due to long-term (chronic) exposures and some TACs increase noncancerous health risk due to short-term (acute) exposures. Chronic and acute exposure is evaluated in the HRA. Noncarcinogenic risks are quantified by calculating a hazard index, expressed as the ratio between the ambient pollutant concentration and its toxicity or reference exposure level, which is a concentration at or below which health effects are not likely to occur. The chronic hazard index is the sum of the individual substance chronic hazard indices for all TACs affecting the same target organ system. As DPM does not have an acute reference exposure level, acute risk was not calculated. A hazard index less of than one (1.0) means that adverse health effects are not expected.

# 3 Construction and Operational Assumptions

## 3.1 Construction and Decommissioning Assumptions

Construction and decommissioning assumptions, including timing, phasing, equipment type and quantity, as well as worker and vendor truck trips, were based on information provided by the applicant. Default values provided by CalEEMod were used where detailed project information was not available. For purposes of estimating project GHG emissions, it is assumed that construction of the project would commence in March 2024<sup>3</sup> and would end in August 2025. Project decommissioning is anticipated to occur 35 years after the project becomes operational, beginning in January 2060 and ending in November 2060. Because CARB's EMFAC2017 only has emission factors out to 2050, the year 2050 was assumed for modeling emissions of decommissioning to account for mobile sources. The analysis contained herein is based on the following assumptions: the duration of phases is approximate:

- Construction
  - Perimeter Fence Installation – 3 months (March 2024 – May 2024)
  - Site Preparation – 10 months (March 2024 – January 2025)
  - Tree Removal – 3 months (March 2024 – June 2024)
  - PV System Installation – 10 months (September 2024 – July 2025)
  - Underground Work – 5 Months (September 2024 – January 2025)
  - Energy Storage System – 11 months (August 2024 – June 2025)
  - Gen-Tie Line – 1 Month (October 2024)
  - Testing, Commissioning, Cleanup – 3 months (June 2025 – August 2025)
- Decommissioning
  - Perimeter Fence Removal – 3 months (January 2060 – March 2060)
  - PV System Removal – 7 months (February 2060 – September 2060)
  - Energy Storage System Removal – 4 months (June 2060 – September 2060)
  - Site Cleanup and Restoration – 3 months (October 2060 – December 2060)

Estimated average workers and the construction equipment mix used for estimating the construction emissions of the project is based on information provided by the project applicant and is shown in Table 2, Construction Scenario Assumptions. For this analysis, it was assumed that heavy construction equipment would operate 5 days a week (22 days per month) during project construction. Trip distances utilized in the analysis are based on potential supply locations such as the city of Sacramento or Stockton and were provided by the Project applicant. Vendor trucks and

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<sup>3</sup> The analysis assumes a construction start date of March 2024, which represents the earliest date construction would initiate (although unlikely). Assuming the earliest start date for construction represents the worst-case scenario for criteria air pollutant emissions because equipment and vehicle emission factors for later years would be slightly less due to more stringent standards for in-use off-road equipment and heavy-duty trucks, as well as fleet turnover replacing older equipment and vehicles in later years



worker vehicles were assumed to originate within the SMAQMD jurisdiction. During site preparation, the project is expected to result in 1,425,000 cubic yards of cut and 1,175,000 cubic yards of fill; however, any excess grading materials will be spread evenly across the site resulting in no off-site export or import. For the switchyard, there will be 36,000 cubic yards of cut and 28,500 cubic yards of fill, resulting in 7,500 cubic yards of export to Vallejo. The haul truck trips to Vallejo were broken out by air district according to the distance they would travel within each district. Additionally, it was assumed that worker vehicles would travel on average approximately 0.5 miles on unpaved roads over the course of construction to account for travel to laydown locations.

**Table 2. Construction Scenario Assumptions**

Construction Phase	One-Way Trips			Equipment	Quantity	Hours Per Day
	Daily Workers	Daily Vendor Trucks	Total Haul Trucks			
<b>Construction</b>						
Perimeter Fence Installation	74	16	1,292	Skid Loaders	1	8
				Off-Highway Trucks (Pickup Trucks)	1	8
				Rough Terrain Forklifts	1	8
Site Preparation	50	16	5,302	Graders	2	8
				Bulldozer	1	8
				Scraper	1	8
				Rollers	2	8
				Off-Highway-Trucks (Dump Trucks)	3	8
				Off-Highway-Trucks (water Trucks)	3	8
				Tractors/Loaders/Backhoes	1	8
Tree Removal	30	4	1,350	Crushing/Processing Equipment	1	8
				Excavators	3	8
				Other Material Handling Equipment	4	8
				Skid Steer Loaders	4	8
Underground Work (Trenching)	100	2	2,184	Excavator	2	8
				Roller	1	8
				Other Construction Equipment	1	8
				Off-Highway-Trucks (water Trucks)	1	8
				Rough Terrain Forklift	1	8
PV System Installation	476	40	3,994	Crane	1	8
				Rough Terrain Forklifts	10	8
				Off-Highway Trucks (ATVs)	26	8

**Table 2. Construction Scenario Assumptions**

Construction Phase	One-Way Trips			Equipment	Quantity	Hours Per Day
	Daily Workers	Daily Vendor Trucks	Total Haul Trucks			
				Generator	3	8
				Other Construction Equipment (Pile Driver)	5	8
				Off-Highway Trucks (Pickup Trucks)	5	8
Energy Storage System	100	4	4,582	Crane	1	8
				Tractors/Loaders/Backhoes	1	8
				Off-Highway Trucks (Pickup Trucks)	5	8
				Rough Terrain Forklift	4	8
Gen-Tie Construction	16	2	438	Off-Highway Trucks (Boom Trucks)	2	8
Testing, Commissioning, Site Clean Up	26	2	1,258	Off-Highway Trucks (Pickup Trucks)	4	8
				Graders	1	8
				Skid Steer Loaders	1	8
<b>Decommissioning</b>						
Perimeter Fence Removal	50	32	3,204	Skid Loaders	3	8
				Off-Highway Trucks (Pickup Trucks)	2	8
				Rough Terrain Forklifts	1	8
PV System Removal	200	32	7,952	Crane	1	8
				Rough Terrain Forklifts	6	8
				Off-Highway Trucks (ATVs)	10	8
				Off-Highway Trucks (Pickup Trucks)	4	8
Energy Storage System Removal	50	4	4,354	Crane	1	8
				Graders	1	8
				Rough Terrain Forklift	4	8
Site Cleanup and Restoration	26	4	3,316	Off-Highway Trucks (Pickup Trucks)	4	8
				Graders	1	8
				Skid Steer Loaders	1	8

**Notes:** See Attachment A.  
 ATV = all-terrain vehicle.

The CalEEMod Version 2020.4.0 was used to estimate emissions from construction of the project. Construction and in turn decommissioning emissions can vary substantially from day to day, depending on the level of activity; the specific type of operation; and, for particulate matter, the prevailing weather conditions. The proposed

construction and decommissioning activities would result in the temporary addition of pollutants to the local airshed caused by on-site sources (i.e., off-road construction equipment and minimal soil disturbance) and off-site sources (i.e., on-road vendor trucks and worker vehicle trips). Based on applicant provided information, it was assumed worker trips would have 0.5 miles of unpaved road travel per trip. Internal combustion engines used by construction equipment, trucks, and worker vehicles would result in emissions of VOCs, NO<sub>x</sub>, CO, PM<sub>10</sub>, and PM<sub>2.5</sub>. PM<sub>10</sub> and PM<sub>2.5</sub> emissions would also be generated by entrained dust, which results from the exposure of earth surfaces to wind from the direct disturbance and movement of soil. The project would be required to comply with the SMAQMD Rule 403 to control dust emissions generated during any dust-generating activities. Standard construction practices and BACT would be employed to reduce fugitive dust emissions, including limiting vehicle speeds on unpaved roads to 15 miles per hour and watering of the active dust areas 3 times per day, with additional watering depending on weather conditions.

The Project would be subject to CARB's In-Use Off-Road Diesel Vehicle Regulation that applies to certain off-road diesel engines, vehicles, or equipment greater than 25 horsepower. The regulation (1) imposes limits on idling, requires a written idling policy, and requires a disclosure when selling vehicles; (2) requires all vehicles to be reported to CARB (using the Diesel Off-Road Online Reporting System) and labeled; (3) restricts the adding of older vehicles into fleets starting on January 1, 2014; and (4) requires fleets to reduce their emissions by retiring, replacing, or repowering older engines or installing Verified Diesel Emission Control Strategies (i.e., exhaust retrofits). The fleet must either show that its fleet average index was less than or equal to the calculated fleet average target rate, or that the fleet has met the Best Achievable Control Technology requirements.

## Blasting

Rock blasting is the controlled use of explosives to excavate, break down, or remove rock. The result of rock blasting is often known as a rock cut. The most used explosives today are ammonium nitrate/fuel oil (ANFO)-based blends due to their lower cost compared to dynamite. The chemistry of ANFO detonation is the reaction of ammonium nitrate with a long-chain alkane to form NO<sub>x</sub>, carbon dioxide, and water. When detonation conditions are optimal, these gases are the only products. In practical use, such conditions are impossible to attain, and blasts produce moderate amounts of other gases. The EPA's Compilation of Air Pollutant Emission Factors (AP-42), Section 13.3 – Explosives Detonation (EPA 1980), provided the emissions factors for CO, NO<sub>x</sub>, and SO<sub>x</sub> used in this assessment. According to AP 42, "Unburned hydrocarbons also result from explosions, but in most instances, methane is the only species that has been reported" (EPA 1980); methane is not a VOC, and a methane emission factor has not been determined for ANFO.

Some of the rock created by blasting would be crushed, creating emissions of particulates. These were quantified using emissions factors found in AP-42, Section 11.9 (Western Surface Coal Mining) (EPA 1998).

Construction of the project would include up to one blast per day using ANFO for a total of 35 blasts. Each blast would displace between 10,000 and 12,000 cubic yards of soil. A total of 8 tons of ANFO would be used per blast. The average depth per blast is 12 feet and the total cubic yards of soil blasted is estimated to be 320,000 cubic yards. The emissions created by blasting and crushing were calculated using a separate Excel sheet using figures provided by project engineers and the AP-42 emission factors and will be added into the emissions calculated via CalEEMod.

## Carbon Sequestration (Loss)

This GHG analysis estimates the loss of sequestered carbon that would result from removal of trees on site during construction. The calculation methodology and default values provided in i-Tree Planting were used to estimate the one-time carbon-stock change from planting new trees based on the trees provided in the landscaping plan for the Project (i-Tree 2022). Trees sequester CO<sub>2</sub> while they are actively growing, and the amount of CO<sub>2</sub> sequestered depends on the type of tree. Thereafter, the accumulation of carbon in biomass slows with age, and is assumed to be offset by losses from clipping, pruning, and occasional death. Active growing periods are subject to, among other things, species, climate regime, and planting density; however, for modeling purposes, it was assumed an active growing period of 30 years consistent with the Project lifetime. According to the arborist report there would be 6,329 species of oak trees impacted by the Project (Dudek 2023). It was assumed that all would be removed for this analysis.

Supply, conveyance, treatment, and distribution of water for the project requires the use of electricity, which would result in associated indirect GHG emissions. Water use during construction is anticipated to be approximately 253 acre-feet (82,440,413 gallons). To calculate air and GHG emissions associated with construction water use, CalEEMod's outdoor water use module was utilized. It was assumed that water would be trucked from a water purveyor in Elk Grove, 26 miles from the project site<sup>4</sup>.

## 3.2 Operational Assumptions

### Area Sources

During operation and maintenance, one of the sources of GHG emissions would be fugitive emissions from equipment containing sulfur hexafluoride (SF<sub>6</sub>) gas installed at the proposed on-site substations, which is used as an insulator. SF<sub>6</sub> has a GWP of 23,900 using CO<sub>2</sub> at a reference value of 1 (UNFCCC 2014). It is estimated that the project will require 272 lbs. of SF<sub>6</sub> gas. The proposed project's circuit breakers would have a maximum annual leak rate of 1%, based on compliance with CARB regulations (CARB 2011). The project will be required to report annual SF<sub>6</sub> gas emission, whether normal or accidental, to CARB under Title 17, Sections 95350 through 95359 of the California Code of Regulations.

### Energy Sources

Energy sources include emissions associated with project electricity usage and on-site power generation. Electricity use would contribute indirectly to criteria air pollutant emissions; California law requires the regulated utilities to achieve 50% of electricity generation from renewable energy sources by 2050, and by assisting SMUD in achieving its 2030 net zero goal. The project will assist in achieving the Renewable Portfolio Standard by contributing solar generated electricity to the SMUD system.

The estimation of operational GHG emissions for the proposed project from electricity demand of the energy storage system, supervisory control and data acquisition system, security lighting and other ancillary systems was based on information provided by the project applicant. The project is anticipated to require approximately 1,236 megawatt

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<sup>4</sup> 82,440,413 gallons of water/8,500-gallon water trucks × 2 one-way trips/389 days = 48.87 trips per day. Rounded up to 50 trips per day.

hours per year. CalEEMod default energy intensity factors (CO<sub>2</sub>, CH<sub>4</sub>, and N<sub>2</sub>O mass emissions per kilowatt-hour) for SMUD are based on the value for SMUD's energy mix in 2019 (the latest year provided in CalEEMod).

SB 100 (2018) increased the standards set forth in SB 350 establishing that 44% of the total electricity sold to retail customers in California per year by December 31, 2024, 52% by December 31, 2027, and 60% by December 31, 2030, be secured from qualifying renewable energy sources. SB 100 states that it is the policy of the State that eligible renewable energy resources and zero-carbon resources supply 100% of the retail sales of electricity to California by 2045.

## Mobile Sources

Mobile sources for the project would primarily be motor vehicles (automobiles and light-duty trucks) traveling to and from the project site. Motor vehicles may be fueled with gasoline, diesel, or alternative fuels. As discussed in Section 1, Project Description, the project would be operated remotely by a solar operations and maintenance company. To provide a conservative estimate of emissions, the CalEEMod default trip assumptions for unrefrigerated warehouse were adjusted to account for the commutes and performance of regular inspection and maintenance activities of up to 10 trips per day. To account for water being trucked in for panel washing and sheep/goat grazing activity an additional 32 trips a day were also added under a separate land use (user defined industrial). Details of the truck assumptions are discussed in the Water and Wastewater Section.

## Solid Waste

The production of electricity will not produce solid waste. However, packaging materials from construction and operation of the facility would result in the generation of solid waste, and therefore, result in CO<sub>2</sub>e emissions associated with landfill off-gassing. To provide a conservative estimate of emissions CalEEMod default values for solid waste generation for warehouse land uses were used to estimate GHG emissions associated with solid waste for the proposed project. Solid waste would be generated through maintenance activities when equipment needs to be replaced or recycled.

## Water and Wastewater

Unlike other traditional electricity sources, generation of electricity from solar panels does not result in the creation of process wastewater. However, supply, conveyance, treatment, and distribution of water for the project requires the use of electricity, which would result in associated indirect GHG emissions. Similarly, wastewater generated by the proposed project requires the use of electricity for conveyance and treatment, along with GHG emissions generated during wastewater treatment. As previously discussed in Section 1, Project Description, water trucks would be used to deliver water for panel washing operations from a local purveyor during operation of the project which were included in the project's mobile source emissions inventory. The project applicant provided water consumption estimates for water use, and associated electricity consumption from water use and wastewater generation Based on the 2 acre-feet required for one panel washing event and 36,000 gallons for sheep grazing activities, approximately 32 one-way trucks trips would be required assuming water was delivered over the course of 1 week<sup>5</sup>. To provide a conservative analysis, emissions were also estimated based on the conveyance of and treatment of water using CalEEMod, which includes assumptions for energy demand for necessary equipment for water pumping.

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<sup>5</sup> 651,703 gallons of water/8,500-gallon water trucks\*2 one-way trips/5 days = 30.7 trips per day. Rounded up to 32 trips per day.

## Carbon Sequestration (Gain)

This GHG analysis estimates the gain of sequestered carbon that would result from planting and growth of trees on site. The calculation methodology and default values provided in i-Tree Planting were used to estimate the one-time carbon-stock change from planting new trees based on the trees provided in the landscaping plan for the Project (i-Tree 2022).

For modeling purposes, it was assumed an active growing period of 30 years consistent with the Project lifetime. The model also assumes a tree mortality of 70% over a project’s lifetime. According to the landscaping plan for the Project, it is estimated that 5,060 interior live oak trees would be planted (Garth Ruffner 2023).

The sequestered carbon from new trees modeling does not include CO<sub>2</sub> emissions estimates associated with planting, care, and maintenance activities (e.g., tree planting and care vehicle travel and maintenance equipment operation). Landscape maintenance equipment emissions were included in the area source emission estimates included in the operational GHG emissions calculations. In addition, operational GHG emissions associated with these maintenance activities are anticipated to be minimal.

# 4 Emissions Calculations

## 4.1 Construction and Decommissioning Calculations

### 4.1.1 Construction and Decommissioning Criteria Pollutant Emissions

As previously described in Section 3.1, Project Construction and Decommissioning Assumptions, it is assumed that construction of the project would commence in March 2024<sup>6</sup> and would end in August 2025. Decommissioning is anticipated to occur 35 years after the proposed project is complete. Table 3 presents the estimated maximum daily emissions generated during construction and decommissioning of the project. Details of the emission calculations are provided in Attachment A.

**Table 3. Estimated Maximum Daily Construction and Decommissioning Criteria Air Pollutant Emissions Unmitigated - SMAQMD**

Year	VOC	NO <sub>x</sub>	CO	SO <sub>x</sub>	PM <sub>10</sub> <sup>1</sup>	PM <sub>2.5</sub> <sup>1</sup>
	Pounds per day					
2024 (construction)	100.34	357.61	1,648.55	16.65	297.73	40.97
2025 (construction)	98.53	199.04	1,103.67	0.61	291.69	39.59
2060 (decommissioning)	21.54	48.66	300.89	0.23	219.02	24.17

<sup>6</sup> The analysis assumes a construction start date of March 2024, which represents the earliest date construction would initiate (although unlikely). Assuming the earliest start date for construction represents the worst-case scenario for criteria air pollutant emissions because equipment and vehicle emission factors for later years would be slightly less due to more stringent standards for in-use off-road equipment and heavy-duty trucks, as well as fleet turnover replacing older equipment and vehicles in later years.

**Table 3. Estimated Maximum Daily Construction and Decommissioning Criteria Air Pollutant Emissions Unmitigated - SMAQMD**

Year	VOC	NO <sub>x</sub>	CO	SO <sub>x</sub>	PM <sub>10</sub> <sup>1</sup>	PM <sub>2.5</sub> <sup>1</sup>
	Pounds per day					
<i>SMAQMD Threshold</i>	NA	85	NA	NA	80	82
<i>Threshold Exceeded?</i>	—	Yes	—	—	Yes	No

Source: SMAQMD 2020a.

Notes: VOC = volatile organic compound; NO<sub>x</sub> = oxides of nitrogen; CO = carbon monoxide; SO<sub>x</sub> = sulfur oxides; PM<sub>10</sub> = coarse particulate matter; PM<sub>2.5</sub> = fine particulate matter; SMAQMD = Sacramento Metropolitan Air Quality Management District.

<sup>1</sup> PM<sub>10</sub> and PM<sub>2.5</sub> emissions estimates include BACT implementation. See Attachment A for complete results.

As shown in Table 3, the proposed project's construction and decommissioning emissions would exceed the SMAQMD's daily thresholds for NO<sub>x</sub> and PM<sub>10</sub>. Therefore MM-AQ-1, MM-AQ-2 and MM-AQ-3 are proposed to reduce criteria air pollutant emissions from construction and decommissioning activities.

Table 4 presents the estimated maximum annual construction and decommissioning emissions generated during construction of the project. Details of the emission calculations are provided in Attachment A.

**Table 4. Estimated Maximum Annual Construction and Decommissioning Criteria Air Pollutant Emissions - SMAQMD Unmitigated**

Year	VOC	NO <sub>x</sub>	CO	SO <sub>x</sub>	PM <sub>10</sub> <sup>1</sup>	PM <sub>2.5</sub> <sup>1</sup>
	Tons per Year					
2024 (construction)	6.25	17.10	77.36	0.33	15.12	2.26
2025 (construction)	2.80	7.01	32.91	0.02	10.88	1.44
2060 (decommissioning)	1.73	4.04	24.21	0.02	16.36	1.83
<i>SMAQMD Threshold</i>	NA	NA	NA	NA	14.6	15
<i>Threshold Exceed</i>	—	—	—	—	Yes	No

Source: SMAQMD 2020.

Notes: VOC = volatile organic compound; NO<sub>x</sub> = oxides of nitrogen; CO = carbon monoxide; SO<sub>x</sub> = sulfur oxides; PM<sub>10</sub> = coarse particulate matter; PM<sub>2.5</sub> = fine particulate matter; SMAQMD = Sacramento Metropolitan Air Quality Management District.

<sup>1</sup> PM<sub>10</sub> and PM<sub>2.5</sub> emissions estimates include BACT implementation. See Attachment A for complete results.

As shown in Table 4, the project's construction and decommissioning emissions would not exceed the SMAQMD's annual thresholds for PM<sub>2.5</sub>. The project's construction and decommissioning emissions of PM<sub>10</sub> would exceed the SMAQMD annual threshold. In addition to MM-AQ-1 and MM-AQ-2 being required, MM-AQ-3 would be implemented to reduce the remaining impacts during construction and decommissioning to less than significant with mitigation. Therefore, impacts related to annual criteria air pollutant emissions would be less than significant with mitigation.

MM-AQ-1: To reduce the potential for criteria air pollutants, specifically NO<sub>x</sub> and (PM<sub>10</sub>) and Diesel Particulate Matter, as a result of construction and decommissioning of the project, the applicant shall:

Prior to the start of construction activities, the project applicant, or its designee, shall certify that the off- road diesel-powered equipment subject to the California Air Resources Board (CARB) regulations (13 Cal. Code. Regs. Section 2449 et. Seq.,) comply with the CARB diesel equipment

emission standards in effect as of January 1 of the year in which construction commences and shall be Tier 4 Final or better. The County may modify MM-AQ-1 provided that the applicant provides a supplemental air quality analysis that demonstrates that the modification will result in reductions in NO<sub>x</sub>, PM<sub>10</sub> emissions, and DPM that are greater than or equal to those achieved by the CARB regulatory standards then in effect regarding emissions from off-road diesel equipment.

MM-AQ-2: To reduce the potential for criteria air pollutants, specifically fugitive PM<sub>10</sub>, as a result of construction and decommissioning of the project, the applicant shall implement the SMAQMD's relevant Basic Construction Emissions Control Practices (Best Management Practices) and Enhanced Fugitive PM Dust Control Practices as follows:

#### **BMPs:**

- Water all exposed surfaces 2 times daily. Exposed surfaces include, but are not limited to soil piles, graded areas, unpaved parking areas, staging areas, and access roads.
- Cover or maintain at least 2 feet of free board space on haul trucks transporting soil, sand, or other loose material on the site. Any haul trucks that would be traveling along freeways or major roadways should be covered.
- Use wet power vacuum street sweepers to remove any visible trackout mud or dirt onto adjacent public roads at least once a day. Use of dry power sweeping is prohibited.
- Limit vehicle speeds on unpaved roads to 15 miles per hour (mph).
- All roadways, driveways, sidewalks, parking lots to be paved should be completed as soon as possible. In addition, building pads should be laid as soon as possible after grading unless seeding or soil binders are used.

#### **Enhanced Fugitive PM Dust Control Practices:**

- Soil Disturbance Areas
  - Water exposed soil with adequate frequency for continued moist soil.
  - Suspend excavation, and or grading activity when wind speeds exceed 20 miles per hour.
  - Install wind breaks on windward sides of construction areas.
  - Plant a vegetative ground cover as soon as possible.
- Unpaved Roads
  - Install Wheel washers for all exiting trucks or wash all trucks and equipment leaving the site.
  - Treat access to 100 feet from the paved road with a 6 to 12-inch layer of wood chips, mulch or gravel to reduce generation of road dust and carry-out onto public roads.
  - Post a publicly visible sign with the telephone number and person to contact at the lead agency regarding dust complaints. This person shall respond and take corrective action within 48 hours. The phone number of the district shall be visible to ensure compliance.

MM-AQ-3: To mitigate the remaining emissions during construction and decommissioning that would lead to an exceedance of the SMAQMD's NO<sub>x</sub> and PM<sub>10</sub> threshold the project applicant shall pay the mitigation fees required by the Sac Metro District rules. Based on the above estimate of the



project’s exceedance of Sac Metro’s PM<sub>10</sub> and NO<sub>x</sub> thresholds, a mitigation fee in the amount of \$1,460,401.80<sup>7</sup> and an administrative fee in the amount of \$73,020.09 to the Sac Metro Air District will be required to reduce the project impacts from construction NO<sub>x</sub> and PM<sub>10</sub> emissions to a less than significant level.

The project applicant, or its designee, shall pay the mitigation and administrative fees in full prior to the County issuing a grading permit that would allow activity that would exceed Sac Metro Air District’s threshold.

An alternative payment plan may be negotiated by the project applicant, or its designee, based on the timing of construction phases that are expected to exceed the Sac Metro Air District’s threshold of significance. Any alternative payment plan must be acceptable to the Sac Metro Air District and agreed upon in writing prior to issuance of a grading permit by the County.

In coordination with the lead agency and the Sac Metro Air District, the project applicant, or its designee, may reanalyze construction NO<sub>x</sub> and PM<sub>10</sub> emissions from the project prior to starting construction to update the required mitigation and administrative fees.

- A. The analysis must be conducted using Sac Metro Air District approved emissions model(s) and the fee rates published at the time of reanalysis.
- B. The analysis may include on-site measures to reduce construction emissions if deemed feasible by the County and the project applicant. All on-site measures assumed in the analysis must be included in the construction contracts and be enforceable by the County.

Implementation of MM-AQ-1 and MM-AQ-2 would reduce project construction-generated NO<sub>x</sub> and PM<sub>10</sub> emissions. The emissions estimates after incorporation of MM-AQ-1 and MM-AQ-2 are presented in Table 5.

**Table 5. Estimated Maximum Daily Construction Criteria Air Pollutant Emissions Mitigated - SMAQMD**

Year	VOC	NO <sub>x</sub>	CO	SO <sub>x</sub>	PM <sub>10</sub> <sup>1</sup>	PM <sub>2.5</sub> <sup>1</sup>
	Pounds per day					
2024 (construction)	89.94	246.44	1,690.89	16.65	229.29	30.21
2025 (construction)	89.42	104.38	1,145.01	0.61	225.39	29.68
2060 (decommissioning)	19.10	43.82	304.58	0.23	156.24	17.83
<i>SMAQMD Threshold</i>	NA	85	NA	NA	80	82
<i>Threshold Exceeded?</i>	—	Yes	—	—	Yes	No

Source: SMAQMD 2020.

Notes: VOC = volatile organic compound; NO<sub>x</sub> = oxides of nitrogen; CO = carbon monoxide; SO<sub>x</sub> = sulfur oxides; PM<sub>10</sub> = coarse particulate matter; PM<sub>2.5</sub> = fine particulate matter; SMAQMD = Sacramento Metropolitan Air Quality Management District.

<sup>1</sup> PM<sub>10</sub> and PM<sub>2.5</sub> emissions estimates include Enhanced Fugitive PM dust controls per SMAQMD guidance. See Attachment A for complete results.

<sup>7</sup> The total fee was calculated based on the number of days exceeding the daily threshold and total tonnage exceeded for each pollutant. See Attachment A for a complete breakdown.

As shown in Table 5, the project's construction and decommissioning emissions would continue to exceed the SMAQMD's daily thresholds after accounting for emission reductions from MM-AQ-1 and MM-AQ-2. Therefore MM-AQ-3 would be implemented to reduce the remaining impacts to less than significant with mitigation.

Table 6 presents the estimated maximum annual construction and decommissioning emissions generated during construction of the project with implementation of MM-AQ-1 and MM-AQ-2. Details of the emission calculations are provided in Attachment A.

**Table 6. Estimated Maximum Annual Construction and Decommissioning Criteria Air Pollutant Emissions - SMAQMD**

Year	VOC	NO <sub>x</sub>	CO	SO <sub>x</sub>	PM <sub>10</sub> <sup>1</sup>	PM <sub>2.5</sub> <sup>1</sup>
	Tons per Year					
2024 (construction)	5.52	9.54	80.65	0.33	12.22	1.70
2025 (construction)	2.47	3.37	34.03	0.02	7.91	1.01
2060 (decommissioning)	1.52	3.48	19.33	2.60	9.82	1.83
<i>SMAQMD Threshold</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>14.6</i>	<i>15</i>
<i>Threshold Exceed</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>No</i>	<i>No</i>

**Source:** SMAQMD 2020.

**Notes:** VOC = volatile organic compound; NO<sub>x</sub> = oxides of nitrogen; CO = carbon monoxide; SO<sub>x</sub> = sulfur oxides; PM<sub>10</sub> = coarse particulate matter; PM<sub>2.5</sub> = fine particulate matter; SMAQMD = Sacramento Metropolitan Air Quality Management District.

<sup>1</sup> PM<sub>10</sub> and PM<sub>2.5</sub> emissions estimates include BACT implementation. See Attachment A for complete results.

As shown in Table 6, the project's construction and decommissioning emissions would not exceed the SMAQMD's annual thresholds for PM<sub>10</sub> or PM<sub>2.5</sub>. Therefore, impacts related to annual criteria air pollutant emissions would be less than significant with mitigation.

Table 7 presents the estimated maximum daily emissions generated during construction of the project within the Yolo-Solano Air Quality Management District (YSAQMD). Details of the emission calculations are provided in Attachment A.

**Table 7. Estimated Maximum Construction Criteria Air Pollutant Emissions - YSAQMD**

Year	VOC	NO <sub>x</sub>	PM <sub>10</sub>
	Tons per year		Pounds per day
2024 (construction)	0.04	0.17	1.25
2025 (construction)	0.04	0.06	1.24
<i>YSAQMD Threshold</i>	<i>10</i>	<i>10</i>	<i>80</i>
<i>Threshold Exceeded?</i>	<i>No</i>	<i>No</i>	<i>No</i>

**Source:** YSAQMD 2020.

**Notes:** VOC = volatile organic compound; NO<sub>x</sub> = oxides of nitrogen; CO = carbon monoxide; SO<sub>x</sub> = sulfur oxides; PM<sub>10</sub> = coarse particulate matter; PM<sub>2.5</sub> = fine particulate matter; YSAQMD = Yolo-Solano Air Quality Management District.

See Attachment A for complete results.

As shown in Table 7, the project’s construction emissions would not exceed the YSAQMD’s thresholds. Impacts would be considered less than significant. Table 8 provides the mobile source emissions during construction within the Bay Area Air Quality Management District (BAAQMD) jurisdiction.

**Table 8. Estimated Maximum Daily Construction Criteria Air Pollutant Emissions - BAAQMD**

Year	VOC	NO <sub>x</sub>	CO	SO <sub>x</sub>	PM <sub>10</sub> <sup>1</sup>	PM <sub>2.5</sub> <sup>1</sup>
	Pounds per day					
2024 (construction)	0.94	1.86	5.30	0.01	0.01	0.01
2025 (construction)	0.86	1.76	4.99	0.01	0.01	0.01
<i>BAAQMD Threshold</i>	<i>54</i>	<i>54</i>	<i>NA</i>	<i>NA</i>	<i>82</i>	<i>54</i>
<i>Threshold Exceeded?</i>	<i>No</i>	<i>No</i>	<i>NA</i>	<i>NA</i>	<i>No</i>	<i>No</i>

Source: SMAQMD 2020.

Notes: VOC = volatile organic compound; NO<sub>x</sub> = oxides of nitrogen; CO = carbon monoxide; SO<sub>x</sub> = sulfur oxides; PM<sub>10</sub> = coarse particulate matter; PM<sub>2.5</sub> = fine particulate matter; BAAQMD = Bay Area Air Quality Management District.

<sup>1</sup> Exhaust emissions only.

See Attachment A for complete results.

As shown in Table 8, the project’s construction emissions would not exceed the BAAQMD’s daily thresholds. Impacts would be considered less than significant.

As discussed in Section 3.1, a construction HRA was performed to estimate the Maximum Individual Cancer Risk and the Chronic Hazard Index for proximate residential receptors as a result of project construction. Results of the construction HRA are presented in Table 9, Construction Health Risk Assessment Results – Unmitigated. Figure B-1 in Attachment B shows the sources and receptors evaluated.

**Table 9. Construction Health Risk Assessment Results - Unmitigated**

Impact Parameter	Units	Project Impact	CEQA Threshold	Level of Significance
Maximum Individual Cancer Risk	Per Million	0.7	10	Less than Significant
Chronic Hazard Index	Index Value	0.001	1.0	Less than Significant

Source: SMAQMD 2020b.

Note: CEQA = California Environmental Quality Act.

As shown in Table 9, Project construction activities would result in a Residential Maximum Individual Cancer Risk of 0.8 in 1 million for off-site receptors that is below the significance threshold of 10 in 1 million. Project construction would result in a Residential Chronic Hazard Index of 0.001 for off-site receptors which is below the 1.0 significance threshold. The Project construction TAC health risk impacts would be less than significant. The Project includes measure MM-AQ-1 (MM-AQ-2 and MMAQ-3 do not impact DPM exhaust emissions) reduce emissions of PM<sub>10</sub>, DPM, and NO<sub>x</sub> to reduce emissions below criteria pollutant thresholds of significance. Implementation of these measures will further reduce the health risks below the health risk thresholds of significance. Table 10, Construction Health Risk Assessment Results – Mitigated, shows the construction health risk results including implementation of MM-AQ-1.

**Table 10. Construction Health Risk Assessment Results - Mitigated**

Impact Parameter	Units	Project Impact	CEQA Threshold	Level of Significance
Maximum Individual Cancer Risk	Per Million	0.1	10	Less than Significant
Chronic Hazard Index	Index Value	0.0001	1.0	Less than Significant

Source: SMAQMD 2020b.

Note: CEQA = California Environmental Quality Act. See Attachment B. Results include implementation of MM-AQ-1, MM-AQ-2, and MM-AQ-3.

The HRA results after incorporation of MM-AQ-1 as presented in Table 10 show that the Residential Maximum Individual Cancer Risk and Chronic Hazard Index would be well below the significance threshold for off-site receptors. Thus, regarding exposure of sensitive receptors to substantial pollutant concentrations, site-specific impacts during construction would be less than significant with mitigation incorporated.

## 4.1.2 Construction and Decommissioning GHG Emissions

Table 11 presents annual construction and decommissioning GHG emissions for the project in 2024 and 2060 from on-site and off-site emission sources.

**Table 11. Estimated Annual Construction and Decommissioning Greenhouse Gas Emissions - SMAQMD**

Year	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	CO <sub>2</sub> e <sup>1</sup>
	Metric Tons per Year			
2024 (Construction)	4,226.24	0.69	0.13	4,328.05
2025 (Construction)	2,827.52	0.32	0.07	2,857.46
2060 (Decommissioning)	1,817.89	0.05	0.11	1,853.09
Tree Removal <sup>2</sup>	26,949.39	0.00	0.00	26,949.39
	<i>SMAQMD Threshold</i>			<i>1,100</i>
	<i>Threshold Exceeded</i>			<i>Yes</i>

Notes: CH<sub>4</sub> = methane; CO<sub>2</sub> = carbon dioxide; CO<sub>2</sub>e = carbon dioxide equivalent; N<sub>2</sub>O = nitrous oxide; SMAQMD = Sacramento Metropolitan Air Quality Management District.

See Attachment A for complete results.

<sup>1</sup> Includes Indirect GHG emissions associated with water use during construction (47.12 CO<sub>2</sub>e) and CO<sub>2</sub> emissions from all-terrain vehicles calculated in off-road.

<sup>2</sup> Tree removal is assumed to occur in 2024.

As shown in Table 11, the estimated total GHG emissions during construction would be approximately 34,135 MT CO<sub>2</sub>e over the construction period including tree removal. The estimate of total GHG emissions from decommissioning of the proposed project would be approximately 1,853 MT CO<sub>2</sub>e in 2060. Construction activities associated with the project would exceed the SMAQMD threshold of 1,100 MT CO<sub>2</sub>e per year. Therefore, impacts related to annual GHG construction emissions would be potentially significant. To reduce GHG emissions from construction the following GHG emissions reductions are to be implemented per the SMAQMD guidance (SMAQMD 2016). These measures are considered best management practices providing options for reducing greenhouse gas emissions from construction projects.

- MM-GHG-1: Improve fuel efficiency from construction equipment.
  - Minimize idling time to no more than 3 minutes.
  - Maintain all construction equipment in proper working condition according to manufacturer’s specifications. The equipment must be checked by a certified mechanic and determined to be running proper condition before it is operated.
- MM-GHG-2: Use alternative fuel for generators at construction sites.
- MM-GHG-3: Encourage and provide carpools and or shuttle vans for worker commutes.
- MM-GHG-4: Develop a plan to efficiently use water for adequate dust control.
- MM-GHG-5: Offset construction emissions with GHG emissions reduction associated with project operation. GHG emission reductions used to offset construction emissions cannot be sold on the voluntary market. In the event that applicant desires to sell a portion of GHG emission reduction from the first year of operation on the voluntary market, the applicant must first prepare a report to the satisfaction of the lead agency, that details GHG emissions reductions produced, and the percentages applied for offsets and for the voluntary market.

Regarding MM-GHG-5, CEQA guidelines section 15126.4 state that a project can mitigate GHG emissions with “emission reductions resulting from implementation of project features or project design” (14 CCR 15064.4[b]). As discussed in section 4.3.1 GHG Benefits Calculation, the proposed project would result in an estimated net reduction of 69,798 MT CO<sub>2</sub>e in the first year of operation. Thus the 32,687 MT CO<sub>2</sub>e exceedance (30,177 MT CO<sub>2</sub>e in 2024; 1,757 MT CO<sub>2</sub>e in 2025; and 753 MT CO<sub>2</sub>e in 2060) caused during construction and decommissioning of the proposed project would be completely offset and mitigated to less than significant within the first year of project operation and impacts resulting from construction would be less than significant after mitigation. Table 12 presents annual construction GHG emissions for the project in 2024 from off-site emission sources within YSAQMD.

**Table 12. Estimated Annual Construction Greenhouse Gas Emissions - YSAQMD**

Year	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	CO <sub>2</sub> e
	Metric Tons per Year			
2024 (Construction)	58.61	0.00	0.01	61.75
2025 (Construction)	13.28	0.00	0.00	14.30
<b>Total</b>				<b>76.05</b>
<i>YSAQMD Threshold</i>				<i>NA</i>
<i>Threshold Exceeded</i>				<i>NA</i>

**Notes:** CH<sub>4</sub> = methane; CO<sub>2</sub> = carbon dioxide; CO<sub>2</sub>E = carbon dioxide equivalent; N<sub>2</sub>O = nitrous oxide

As shown in Table 12, the estimate total GHG emissions during construction would be approximately 76 MT CO<sub>2</sub>e, over the construction period. There is no construction only GHG significance threshold in the YSAQMD jurisdiction. However, as discussed above, the project would offset more GHG emissions in the first year of operation than during the construction period. Impacts would be less than significant. Table 13 presents annual construction GHG emissions for the project in 2024 and 2025 from off-site emission sources within the BAAQMD.

**Table 13 Estimated Annual Construction Greenhouse Gas Emissions - BAAQMD**

Year	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	CO <sub>2</sub> e
	Metric Tons per Year			
2024 (Construction)	43.67	0.01	0.01	46.14
2025 (Construction)	11.81	0.00	0.00	12.76
<b>Total</b>				<b>58.90</b>
<i>BAAQMD Threshold</i>				NA
<i>Threshold Exceeded</i>				NA

**Notes:** CH<sub>4</sub> = methane; CO<sub>2</sub> = carbon dioxide; CO<sub>2</sub>E = carbon dioxide equivalent; N<sub>2</sub>O = nitrous oxide See Attachment A for complete results.

As shown in Table 13, the estimate total GHG emissions during construction would be approximately 59 MT CO<sub>2</sub>e, over the construction period. There is no construction only GHG significance threshold in the BAAQMD jurisdiction. However, as discussed above, the project would offset more GHG emissions in the first year of operation than during the construction period. Impacts would be less than significant.

## 4.2 Operational Calculations

### 4.2.1 Operational Criteria Pollutant Emissions

Operation of the project would generate VOC, NO<sub>x</sub>, CO, SO<sub>x</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub> emissions from area and mobile sources, including vehicle trips from employee commutes and maintenance vehicles. Table 14 presents the maximum daily source emissions associated with operation (year 2025) of the project. Details of the emissions calculations are provided in Attachment A.

**Table 14. Estimated Maximum Daily Operational Criteria Air Pollutant Emissions**

Year	VOC	NO <sub>x</sub>	CO	SO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
	Pounds per Day					
Area	<0.01	<0.01	<0.01	0.00	0.00	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.18	0.23	1.67	<0.01	0.38	0.10
Stationary	3.28	14.67	8.37	0.02	0.48	0.48
<b>Total Daily Emissions</b>	<b>3.46</b>	<b>14.90</b>	<b>10.04</b>	<b>0.02</b>	<b>0.86</b>	<b>0.58</b>
<i>SMAQMD Thresholds<sup>1</sup></i>	65	65	NA	NA	80	82
<i>Thresholds Exceeded</i>	No	No	—	—	No	No

**Source:** SMAQMD 2020.

**Notes:** PM<sub>10</sub> = coarse particulate matter; PM<sub>2.5</sub> = fine particulate matter; SO<sub>x</sub> = sulfur oxides; VOC = volatile organic compounds See Attachment A for complete results.

<sup>1</sup> These thresholds assume compliance with the SMAQMD BACT requirements.

As shown in Table 14, the project’s operational emissions would not exceed the SMAQMD’s daily thresholds for VOCs, NO<sub>x</sub>, PM<sub>10</sub> and PM<sub>2.5</sub>. Therefore, impacts related to operational daily criteria air pollutant emissions would be

less than significant. Table 15 presents the maximum annual source emissions associated with operation (year 2025) of the project. Details of the emissions calculations are provided in Attachment A.

**Table 15. Estimated Maximum Annual Operational Criteria Air Pollutant Emissions**

Year	VOC	NO <sub>x</sub>	CO	SO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
	Tons per Year					
Area	0.00	0.00	<0.01	0.00	0.00	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.02	0.03	0.23	<0.01	0.05	0.01
Stationary	0.16	0.73	0.42	<0.01	0.02	0.02
<b>Total Annual Emissions</b>	<b>0.18</b>	<b>0.76</b>	<b>0.65</b>	<b>&lt;0.01</b>	<b>0.07</b>	<b>0.03</b>
<i>SMAQMD Threshold</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>14.6</i>	<i>15</i>
<i>Threshold Exceeded</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>No</i>	<i>No</i>

Source: SMAQMD 2020.

Notes: PM<sub>10</sub> = coarse particulate matter; PM<sub>2.5</sub> = fine particulate matter; SO<sub>x</sub> = sulfur oxides; VOC = volatile organic compounds See Attachment A for complete results.

As shown in Table 15, the project’s operational emissions would not exceed the SMAQMD’s Annual thresholds for PM<sub>10</sub> and PM<sub>2.5</sub>. Therefore, impacts related to operational annual criteria air pollutant emissions would be less than significant.

## 4.2.2 Operational GHG Emissions

Operation of the project would generate GHG emissions through motor vehicle trips to and from the project site; energy use (electricity consumed by the project); solid waste disposal; and generation of electricity associated with water supply, treatment, and distribution and wastewater treatment. The estimated operational (year 2025) project generated GHG emissions from area sources, energy usage, motor vehicles, solid waste generation, and water usage and wastewater generation are shown in Table 16.

**Table 16. Estimated Annual Operational Greenhouse Gas Emissions**

Emission Source	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	CO <sub>2e</sub>
	Metric Tons per Year			
Area	<0.01	0.00	0.00	29.49 <sup>1</sup>
Energy	200.70	0.02	<0.01	201.83
Mobile	46.51	<0.01	<0.01	47.24
Stationary	76.16	0.01	0.00	76.43
Waste	1.91	0.11	0.00	4.73
Water	0.41	<0.01	<0.01	0.41
Tree Planting	-984.34	0.00	0.00	-984.34
<b>Total</b>	<b>-658.65</b>	<b>0.14</b>	<b>&lt;0.01</b>	<b>-624.21</b>
			<i>SMAQMD Threshold</i>	<i>1,100</i>
			<i>Threshold Exceeded</i>	<i>No</i>

Source: SMAQMD 2020.

**Notes:** CH<sub>4</sub> = methane; CO<sub>2</sub> = carbon dioxide; CO<sub>2e</sub> = carbon dioxide equivalent; N<sub>2</sub>O = nitrous oxide

<sup>1</sup> Includes emissions from SF<sub>6</sub> (272 pounds of SF<sub>6</sub> assuming a 1% leak rate = 29.49 MT CO<sub>2d</sub> per year.) See Attachment A for complete results.

As shown in Table 16, estimated annual project generated GHG emissions including carbon sequestration would be negative 624 MT CO<sub>2e</sub> per year as a result of project operation. The project would not exceed the SMAQMD's 1,100 CO<sub>2e</sub> and impacts related to GHGs would less than significant.

### 4.2.3 GHG Benefit Calculation

The project is anticipated to produce 520,000 MWh per year. The latest published GHG emission factor for SMUD is 0.134 MT CO<sub>2e</sub>/MWh (CAPCOA 2021). Thus, the proposed project would provide a potential offset of up to 69,798 MT CO<sub>2e</sub> per year if the renewable electricity generated by the project were to be used instead of electricity generated by SMUD's current sources<sup>8</sup>. Assuming a lifetime of 35 years, that would result in a potential offset of up to 2,442,930 MT CO<sub>2e</sub>. However, assuming that SMUD achieves the goal of SB 100 to reach 100% renewable energy content by 2045, the project would provide a potential offset of up to 69,798 MT CO<sub>2e</sub> in the first year of operation. Assuming that the renewable content of SMUD's power supplied to the grid would increase linearly from 2021 through 2045 to 100%, the project would result in a total potential offset of up to 739,075 MT CO<sub>2e</sub>. Therefore construction-related GHG emissions (35,988 MT CO<sub>2e</sub>) would be off-set within the first year of project operation. These emissions (35,988 MT CO<sub>2e</sub>) will be used to offset the construction emissions and will not be later sold on the regulatory market or other GHG exchange.

### 4.2.4 GHG Reduction Plan Consistency

The County of Sacramento released a Final Communitywide CAP in October 2024 (County of Sacramento 2024). The CAP details specific measures that will be implemented in Sacramento County by 2030 to reduce GHG emissions from communitywide activities and government operations. The CAP is intended to be a qualified CAP for the reduction of GHG emissions in accordance with Section 15183.5 of the CEQA guidelines. The County developed a consistency checklist to allow projects to demonstrate consistency with the CAP and tier from it. A completed CAP consistency checklist is included in Attachment C and shows that the project would be consistent with applicable GHG reduction measures and therefore would not conflict with the CAP. Impacts would be less than significant.

## 5 References Cited

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<sup>8</sup> 520,000 MWh per year\*0.134 MT CO<sub>2e</sub>/Mwh (SMUD fossil fuel GHG emissions factor) = 69,798 MT CO<sub>2e</sub> per year.



MEMORANDUM

SUBJECT: AIR QUALITY AND GREENHOUSE GAS EMISSION CALCULATIONS TECHNICAL MEMORANDUM FOR THE COYOTE CREEK AGRIVOLTAIC RANCH PROJECT

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## **Attachment A**

Emission Calculation Worksheets (CalEEMod,  
OFFROAD, Mitigation Fee Spreadsheet)

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**CCAR Solar - BACT BAAQMD  
Bay Area AQMD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	10.00	1000sqft	2,555.00	10,000.00	0
User Defined Industrial	1.00	User Defined Unit	0.00	1.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	64
<b>Climate Zone</b>	3			<b>Operational Year</b>	2025
<b>Utility Company</b>	Sacramento Municipal Utility District				
<b>CO2 Intensity (lb/MWhr)</b>	357.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - Operational year 2025.

Land Use - 2,555 acers based on total development area.

Construction Phase - Construction phasing information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant. Off-Highway Trucks include 3 water trucks and 3 dump trucks.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment -

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Off-road Equipment - Construction equipment information was provided by the project applicant.

Trips and VMT - Construction trip information is based on data provided by the project applicant.

On-road Fugitive Dust -

Grading - 250,000 cubic yards of export

Vehicle Trips - no mobile

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating -

Energy Use - construction only.

Water And Wastewater - no water use

Solid Waste - no solid waste

Construction Off-road Equipment Mitigation - Included watering 3x daily, unpaved road stabilization and vehicle speed reduction as Enhanced Fugitive PM dust control control in practices as recommended by the SMAQMD

Fleet Mix - CalEEMod defaults.

Stationary Sources - Emergency Generators and Fire Pumps - NA

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblEnergyUse	LightingElect	3.22	0.00
tblEnergyUse	NT24E	5.13	0.00
tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	0.93	0.00
tblEnergyUse	T24NG	16.86	0.00
tblGrading	AcresOfGrading	0.00	550.00
tblGrading	MaterialExported	0.00	250,000.00
tblLandUse	LandUseSquareFeet	0.00	1.00
tblLandUse	LotAcreage	0.23	2,555.00
tblOffRoadEquipment	HorsePower	85.00	950.00

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblOffRoadEquipment	HorsePower	158.00	172.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	300.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	200.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	168.00	350.00
tblOffRoadEquipment	HorsePower	168.00	160.00
tblOffRoadEquipment	HorsePower	168.00	790.00
tblOffRoadEquipment	HorsePower	168.00	755.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	9.40	0.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00
tblTripsAndVMT	HaulingTripNumber	31,250.00	938.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	HaulingTripNumber	0.00	20.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	HaulingTripNumber	0.00	26.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	HaulingTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripLength	6.60	0.00
tblTripsAndVMT	VendorTripLength	6.60	0.00
tblTripsAndVMT	VendorTripLength	6.60	0.00



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tbITripsAndVMT	VendorTripLength	6.60	0.00
tbITripsAndVMT	VendorTripLength	6.60	0.00
tbITripsAndVMT	VendorTripLength	6.60	0.00
tbITripsAndVMT	VendorTripLength	6.60	0.00
tbITripsAndVMT	VendorTripLength	6.60	0.00
tbITripsAndVMT	VendorTripNumber	0.00	16.00
tbITripsAndVMT	VendorTripNumber	0.00	16.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	VendorTripNumber	2.00	4.00
tbITripsAndVMT	VendorTripNumber	0.00	2.00
tbITripsAndVMT	VendorTripNumber	2.00	40.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	WorkerTripLength	10.80	0.00
tbITripsAndVMT	WorkerTripLength	10.80	0.00
tbITripsAndVMT	WorkerTripLength	10.80	0.00
tbITripsAndVMT	WorkerTripLength	10.80	0.00
tbITripsAndVMT	WorkerTripLength	10.80	0.00
tbITripsAndVMT	WorkerTripLength	10.80	0.00
tbITripsAndVMT	WorkerTripLength	10.80	0.00
tbITripsAndVMT	WorkerTripLength	10.80	0.00
tbITripsAndVMT	WorkerTripLength	10.80	0.00
tbITripsAndVMT	WorkerTripNumber	0.00	50.00
tbITripsAndVMT	WorkerTripNumber	0.00	74.00
tbITripsAndVMT	WorkerTripNumber	0.00	30.00
tbITripsAndVMT	WorkerTripNumber	4.00	100.00
tbITripsAndVMT	WorkerTripNumber	0.00	100.00
tbITripsAndVMT	WorkerTripNumber	4.00	476.00
tbITripsAndVMT	WorkerTripNumber	0.00	16.00
tbITripsAndVMT	WorkerTripNumber	0.00	26.00

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	2,312,500.00	0.00

**2.0 Emissions Summary**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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					
2024	0.0393	0.1367	0.2392	4.5000e-004	0.3155	7.9000e-004	0.3163	0.0364	7.5000e-004	0.0371	0.0000	43.6738	43.6738	5.0500e-003	7.8700e-003	46.1442
2025	0.0382	0.0541	0.2237	1.3000e-004	0.3067	2.1000e-004	0.3069	0.0339	2.0000e-004	0.0341	0.0000	11.8091	11.8091	4.0300e-003	2.8400e-003	12.7573
<b>Maximum</b>	<b>0.0393</b>	<b>0.1367</b>	<b>0.2392</b>	<b>4.5000e-004</b>	<b>0.3155</b>	<b>7.9000e-004</b>	<b>0.3163</b>	<b>0.0364</b>	<b>7.5000e-004</b>	<b>0.0371</b>	<b>0.0000</b>	<b>43.6738</b>	<b>43.6738</b>	<b>5.0500e-003</b>	<b>7.8700e-003</b>	<b>46.1442</b>

**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					
2024	0.0393	0.1367	0.2392	4.5000e-004	0.1290	7.9000e-004	0.1298	0.0159	7.5000e-004	0.0166	0.0000	43.6738	43.6738	5.0500e-003	7.8700e-003	46.1442
2025	0.0382	0.0541	0.2237	1.3000e-004	0.1202	2.1000e-004	0.1204	0.0134	2.0000e-004	0.0136	0.0000	11.8091	11.8091	4.0300e-003	2.8400e-003	12.7573
<b>Maximum</b>	<b>0.0393</b>	<b>0.1367</b>	<b>0.2392</b>	<b>4.5000e-004</b>	<b>0.1290</b>	<b>7.9000e-004</b>	<b>0.1298</b>	<b>0.0159</b>	<b>7.5000e-004</b>	<b>0.0166</b>	<b>0.0000</b>	<b>43.6738</b>	<b>43.6738</b>	<b>5.0500e-003</b>	<b>7.8700e-003</b>	<b>46.1442</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	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	59.96	0.00	59.86	58.36	0.00	57.59	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2024	3-31-2024	0.0150	0.0150
2	4-1-2024	6-30-2024	0.0383	0.0383
3	7-1-2024	9-30-2024	0.0393	0.0393
4	10-1-2024	12-31-2024	0.0847	0.0847
5	1-1-2025	3-31-2025	0.0462	0.0462
6	4-1-2025	6-30-2025	0.0458	0.0458
7	7-1-2025	9-30-2025	0.0026	0.0026
		Highest	0.0847	0.0847

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.0443	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-004	2.0000e-004	0.0000	0.0000	2.1000e-004
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
<b>Total</b>	<b>0.0443</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.1000e-004</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**2.2 Overall Operational**

**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	0.0443	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-004	2.0000e-004	0.0000	0.0000	2.1000e-004
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
<b>Total</b>	<b>0.0443</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.1000e-004</b>

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

**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	3/1/2024	1/2/2025	5	220	
2	Perimeter Fence Installation	Site Preparation	3/1/2024	5/30/2024	5	65	
3	Tree Removal	Site Preparation	3/1/2024	6/4/2024	5	68	

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4	Energy Storage System	Building Construction	8/1/2024	6/18/2025	5	230
5	Underground Work (Utilities)	Trenching	9/1/2024	1/31/2025	5	110
6	System Installation	Building Construction	9/25/2024	7/1/2025	5	200
7	Gen-Tie Construction	Trenching	10/1/2024	10/30/2024	5	22
8	Testing, Comissioning, Site Clean Up	Trenching	6/1/2025	8/27/2025	5	63

**Acres of Grading (Site Preparation Phase): 550**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Off-Highway Trucks	0	8.00	402	0.38
Site Preparation	Rollers	0	8.00	80	0.38
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Scrapers	0	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Perimeter Fence Installation	Off-Highway Trucks	0	8.00	150	0.38
Perimeter Fence Installation	Rough Terrain Forklifts	0	8.00	100	0.40
Perimeter Fence Installation	Rubber Tired Dozers	0	0.00	247	0.40
Perimeter Fence Installation	Skid Steer Loaders	0	8.00	65	0.37
Perimeter Fence Installation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Tree Removal	Crushing/Proc. Equipment	0	8.00	950	0.78
Tree Removal	Excavators	0	8.00	172	0.38
Tree Removal	Other Material Handling Equipment	0	8.00	350	0.40
Tree Removal	Other Material Handling Equipment	0	8.00	160	0.40

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Tree Removal	Other Material Handling Equipment	0	8.00	790	0.40
Tree Removal	Other Material Handling Equipment	0	8.00	755	0.40
Tree Removal	Rubber Tired Dozers	0	8.00	247	0.40
Tree Removal	Skid Steer Loaders	0	8.00	65	0.37
Tree Removal	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Energy Storage System	Cranes	0	8.00	231	0.29
Energy Storage System	Forklifts	0	0.00	89	0.20
Energy Storage System	Generator Sets	0	0.00	84	0.74
Energy Storage System	Graders	0	8.00	187	0.41
Energy Storage System	Off-Highway Trucks	0	8.00	150	0.38
Energy Storage System	Rough Terrain Forklifts	0	8.00	100	0.40
Energy Storage System	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Energy Storage System	Welders	0	0.00	46	0.45
Underground Work (Utilities)	Cranes	0	0.00	231	0.29
Underground Work (Utilities)	Excavators	0	8.00	158	0.38
Underground Work (Utilities)	Off-Highway Trucks	0	8.00	300	0.38
Underground Work (Utilities)	Other Construction Equipment	0	8.00	172	0.42
Underground Work (Utilities)	Rollers	0	8.00	80	0.38
Underground Work (Utilities)	Rough Terrain Forklifts	0	8.00	100	0.40
System Installation	Cranes	0	8.00	231	0.29
System Installation	Forklifts	0	0.00	89	0.20
System Installation	Generator Sets	0	8.00	84	0.74
System Installation	Off-Highway Trucks	0	8.00	150	0.38
System Installation	Other Construction Equipment	0	8.00	172	0.42
System Installation	Rough Terrain Forklifts	0	8.00	100	0.40
System Installation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
System Installation	Welders	0	0.00	46	0.45
Gen-Tie Construction	Off-Highway Trucks	0	8.00	200	0.38
Testing, Comissioning, Site Clean Up	Graders	0	8.00	187	0.41



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Testing, Commissioning, Site Clean Up	Off-Highway Trucks	0	8.00	150	0.38
Testing, Commissioning, Site Clean Up	Skid Steer Loaders	0	8.00	65	0.37

**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	0	50.00	16.00	938.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT
Perimeter Fence Installation	0	74.00	16.00	2.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT
Tree Removal	0	30.00	4.00	0.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT
Energy Storage System	0	100.00	4.00	20.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT
Underground Work (Utilities)	0	100.00	2.00	2.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT
System Installation	0	476.00	40.00	26.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT
Gen-Tie Construction	0	16.00	4.00	2.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT
Testing, Commissioning, Site Clean Up	0	26.00	4.00	8.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 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					
Fugitive Dust					0.3058	0.0000	0.3058	0.0336	0.0000	0.0336	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.3058</b>	<b>0.0000</b>	<b>0.3058</b>	<b>0.0336</b>	<b>0.0000</b>	<b>0.0336</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.0400e-003	0.0713	0.0162	3.2000e-004	9.0400e-003	5.9000e-004	9.6300e-003	2.4900e-003	5.6000e-004	3.0500e-003	0.0000	31.2339	31.2339	1.0500e-003	4.9500e-003	32.7352
Vendor	9.8000e-004	0.0199	0.0149	2.0000e-005	5.0000e-005	1.0000e-005	6.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	2.4017	2.4017	7.0000e-005	3.8000e-004	2.5174
Worker	5.5000e-003	2.5000e-003	0.0287	1.0000e-005	5.0000e-005	2.0000e-005	8.0000e-005	2.0000e-005	2.0000e-005	4.0000e-005	0.0000	0.9077	0.9077	5.8000e-004	2.9000e-004	1.0082
<b>Total</b>	<b>7.5200e-003</b>	<b>0.0937</b>	<b>0.0598</b>	<b>3.5000e-004</b>	<b>9.1400e-003</b>	<b>6.2000e-004</b>	<b>9.7700e-003</b>	<b>2.5300e-003</b>	<b>5.9000e-004</b>	<b>3.1200e-003</b>	<b>0.0000</b>	<b>34.5433</b>	<b>34.5433</b>	<b>1.7000e-003</b>	<b>5.6200e-003</b>	<b>36.2608</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2024**

**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					0.1193	0.0000	0.1193	0.0131	0.0000	0.0131	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.1193</b>	<b>0.0000</b>	<b>0.1193</b>	<b>0.0131</b>	<b>0.0000</b>	<b>0.0131</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.0400e-003	0.0713	0.0162	3.2000e-004	9.0400e-003	5.9000e-004	9.6300e-003	2.4900e-003	5.6000e-004	3.0500e-003	0.0000	31.2339	31.2339	1.0500e-003	4.9500e-003	32.7352
Vendor	9.8000e-004	0.0199	0.0149	2.0000e-005	5.0000e-005	1.0000e-005	6.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	2.4017	2.4017	7.0000e-005	3.8000e-004	2.5174
Worker	5.5000e-003	2.5000e-003	0.0287	1.0000e-005	5.0000e-005	2.0000e-005	8.0000e-005	2.0000e-005	2.0000e-005	4.0000e-005	0.0000	0.9077	0.9077	5.8000e-004	2.9000e-004	1.0082
<b>Total</b>	<b>7.5200e-003</b>	<b>0.0937</b>	<b>0.0598</b>	<b>3.5000e-004</b>	<b>9.1400e-003</b>	<b>6.2000e-004</b>	<b>9.7700e-003</b>	<b>2.5300e-003</b>	<b>5.9000e-004</b>	<b>3.1200e-003</b>	<b>0.0000</b>	<b>34.5433</b>	<b>34.5433</b>	<b>1.7000e-003</b>	<b>5.6200e-003</b>	<b>36.2608</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 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					
Fugitive Dust					0.3058	0.0000	0.3058	0.0336	0.0000	0.0336	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.3058</b>	<b>0.0000</b>	<b>0.3058</b>	<b>0.0336</b>	<b>0.0000</b>	<b>0.0336</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.0000e-005	6.5000e-004	1.5000e-004	0.0000	8.0000e-005	1.0000e-005	9.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.2811	0.2811	1.0000e-005	4.0000e-005	0.2946
Vendor	1.0000e-005	1.8000e-004	1.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0216	0.0216	0.0000	0.0000	0.0227
Worker	5.0000e-005	2.0000e-005	2.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	8.0500e-003	8.0500e-003	0.0000	0.0000	8.9300e-003
<b>Total</b>	<b>7.0000e-005</b>	<b>8.5000e-004</b>	<b>5.4000e-004</b>	<b>0.0000</b>	<b>8.0000e-005</b>	<b>1.0000e-005</b>	<b>9.0000e-005</b>	<b>2.0000e-005</b>	<b>1.0000e-005</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.3108</b>	<b>0.3108</b>	<b>1.0000e-005</b>	<b>4.0000e-005</b>	<b>0.3262</b>

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**3.2 Site Preparation - 2025**

**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					0.1193	0.0000	0.1193	0.0131	0.0000	0.0131	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.1193</b>	<b>0.0000</b>	<b>0.1193</b>	<b>0.0131</b>	<b>0.0000</b>	<b>0.0131</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.0000e-005	6.5000e-004	1.5000e-004	0.0000	8.0000e-005	1.0000e-005	9.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.2811	0.2811	1.0000e-005	4.0000e-005	0.2946
Vendor	1.0000e-005	1.8000e-004	1.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0216	0.0216	0.0000	0.0000	0.0227
Worker	5.0000e-005	2.0000e-005	2.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	8.0500e-003	8.0500e-003	0.0000	0.0000	8.9300e-003
<b>Total</b>	<b>7.0000e-005</b>	<b>8.5000e-004</b>	<b>5.4000e-004</b>	<b>0.0000</b>	<b>8.0000e-005</b>	<b>1.0000e-005</b>	<b>9.0000e-005</b>	<b>2.0000e-005</b>	<b>1.0000e-005</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.3108</b>	<b>0.3108</b>	<b>1.0000e-005</b>	<b>4.0000e-005</b>	<b>0.3262</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Perimeter Fence Installation - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.5000e-004	3.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0672	0.0672	0.0000	1.0000e-005	0.0704
Vendor	2.9000e-004	5.9200e-003	4.4400e-003	1.0000e-005	1.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.7161	0.7161	2.0000e-005	1.1000e-004	0.7506
Worker	2.4300e-003	1.1000e-003	0.0127	0.0000	2.0000e-005	1.0000e-005	3.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.4006	0.4006	2.6000e-004	1.3000e-004	0.4449
<b>Total</b>	<b>2.7200e-003</b>	<b>7.1700e-003</b>	<b>0.0172</b>	<b>1.0000e-005</b>	<b>5.0000e-005</b>	<b>1.0000e-005</b>	<b>7.0000e-005</b>	<b>3.0000e-005</b>	<b>1.0000e-005</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.1839</b>	<b>1.1839</b>	<b>2.8000e-004</b>	<b>2.5000e-004</b>	<b>1.2659</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Perimeter Fence Installation - 2024**

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.5000e-004	3.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0672	0.0672	0.0000	1.0000e-005	0.0704
Vendor	2.9000e-004	5.9200e-003	4.4400e-003	1.0000e-005	1.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.7161	0.7161	2.0000e-005	1.1000e-004	0.7506
Worker	2.4300e-003	1.1000e-003	0.0127	0.0000	2.0000e-005	1.0000e-005	3.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.4006	0.4006	2.6000e-004	1.3000e-004	0.4449
<b>Total</b>	<b>2.7200e-003</b>	<b>7.1700e-003</b>	<b>0.0172</b>	<b>1.0000e-005</b>	<b>5.0000e-005</b>	<b>1.0000e-005</b>	<b>7.0000e-005</b>	<b>3.0000e-005</b>	<b>1.0000e-005</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.1839</b>	<b>1.1839</b>	<b>2.8000e-004</b>	<b>2.5000e-004</b>	<b>1.2659</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Tree Removal - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	8.0000e-005	1.5500e-003	1.1600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1873	0.1873	1.0000e-005	3.0000e-005	0.1963
Worker	1.0300e-003	4.7000e-004	5.3800e-003	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.1699	0.1699	1.1000e-004	5.0000e-005	0.1887
<b>Total</b>	<b>1.1100e-003</b>	<b>2.0200e-003</b>	<b>6.5400e-003</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.3572</b>	<b>0.3572</b>	<b>1.2000e-004</b>	<b>8.0000e-005</b>	<b>0.3850</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Tree Removal - 2024**

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	8.0000e-005	1.5500e-003	1.1600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1873	0.1873	1.0000e-005	3.0000e-005	0.1963
Worker	1.0300e-003	4.7000e-004	5.3800e-003	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.1699	0.1699	1.1000e-004	5.0000e-005	0.1887
<b>Total</b>	<b>1.1100e-003</b>	<b>2.0200e-003</b>	<b>6.5400e-003</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.3572</b>	<b>0.3572</b>	<b>1.2000e-004</b>	<b>8.0000e-005</b>	<b>0.3850</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.0000e-005	7.3000e-004	1.6000e-004	0.0000	9.0000e-005	1.0000e-005	1.0000e-004	3.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.3185	0.3185	1.0000e-005	5.0000e-005	0.3338
Vendor	1.2000e-004	2.4800e-003	1.8600e-003	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.3002	0.3002	1.0000e-005	5.0000e-005	0.3147
Worker	5.5000e-003	2.5000e-003	0.0287	1.0000e-005	5.0000e-005	2.0000e-005	8.0000e-005	2.0000e-005	2.0000e-005	4.0000e-005	0.0000	0.9077	0.9077	5.8000e-004	2.9000e-004	1.0082
<b>Total</b>	<b>5.6300e-003</b>	<b>5.7100e-003</b>	<b>0.0308</b>	<b>1.0000e-005</b>	<b>1.5000e-004</b>	<b>3.0000e-005</b>	<b>1.9000e-004</b>	<b>5.0000e-005</b>	<b>3.0000e-005</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>1.5264</b>	<b>1.5264</b>	<b>6.0000e-004</b>	<b>3.9000e-004</b>	<b>1.6567</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2024**

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.0000e-005	7.3000e-004	1.6000e-004	0.0000	9.0000e-005	1.0000e-005	1.0000e-004	3.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.3185	0.3185	1.0000e-005	5.0000e-005	0.3338
Vendor	1.2000e-004	2.4800e-003	1.8600e-003	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.3002	0.3002	1.0000e-005	5.0000e-005	0.3147
Worker	5.5000e-003	2.5000e-003	0.0287	1.0000e-005	5.0000e-005	2.0000e-005	8.0000e-005	2.0000e-005	2.0000e-005	4.0000e-005	0.0000	0.9077	0.9077	5.8000e-004	2.9000e-004	1.0082
<b>Total</b>	<b>5.6300e-003</b>	<b>5.7100e-003</b>	<b>0.0308</b>	<b>1.0000e-005</b>	<b>1.5000e-004</b>	<b>3.0000e-005</b>	<b>1.9000e-004</b>	<b>5.0000e-005</b>	<b>3.0000e-005</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>1.5264</b>	<b>1.5264</b>	<b>6.0000e-004</b>	<b>3.9000e-004</b>	<b>1.6567</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.0000e-005	8.0000e-004	1.8000e-004	0.0000	1.0000e-004	1.0000e-005	1.1000e-004	3.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.3469	0.3469	1.0000e-005	5.0000e-005	0.3635
Vendor	1.3000e-004	2.7400e-003	2.0400e-003	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.3271	0.3271	1.0000e-005	5.0000e-005	0.3428
Worker	5.6500e-003	2.5800e-003	0.0306	1.0000e-005	6.0000e-005	3.0000e-005	8.0000e-005	2.0000e-005	2.0000e-005	5.0000e-005	0.0000	0.9744	0.9744	6.0000e-004	3.0000e-004	1.0802
<b>Total</b>	<b>5.7900e-003</b>	<b>6.1200e-003</b>	<b>0.0329</b>	<b>1.0000e-005</b>	<b>1.7000e-004</b>	<b>4.0000e-005</b>	<b>2.0000e-004</b>	<b>5.0000e-005</b>	<b>3.0000e-005</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>1.6483</b>	<b>1.6483</b>	<b>6.2000e-004</b>	<b>4.0000e-004</b>	<b>1.7865</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2025**

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.0000e-005	8.0000e-004	1.8000e-004	0.0000	1.0000e-004	1.0000e-005	1.1000e-004	3.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.3469	0.3469	1.0000e-005	5.0000e-005	0.3635
Vendor	1.3000e-004	2.7400e-003	2.0400e-003	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.3271	0.3271	1.0000e-005	5.0000e-005	0.3428
Worker	5.6500e-003	2.5800e-003	0.0306	1.0000e-005	6.0000e-005	3.0000e-005	8.0000e-005	2.0000e-005	2.0000e-005	5.0000e-005	0.0000	0.9744	0.9744	6.0000e-004	3.0000e-004	1.0802
<b>Total</b>	<b>5.7900e-003</b>	<b>6.1200e-003</b>	<b>0.0329</b>	<b>1.0000e-005</b>	<b>1.7000e-004</b>	<b>4.0000e-005</b>	<b>2.0000e-004</b>	<b>5.0000e-005</b>	<b>3.0000e-005</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>1.6483</b>	<b>1.6483</b>	<b>6.2000e-004</b>	<b>4.0000e-004</b>	<b>1.7865</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.2000e-004	3.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0532	0.0532	0.0000	1.0000e-005	0.0557
Vendor	5.0000e-005	9.9000e-004	7.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1198	0.1198	0.0000	2.0000e-005	0.1256
Worker	4.3900e-003	2.0000e-003	0.0229	1.0000e-005	4.0000e-005	2.0000e-005	6.0000e-005	2.0000e-005	2.0000e-005	3.0000e-005	0.0000	0.7245	0.7245	4.7000e-004	2.3000e-004	0.8047
<b>Total</b>	<b>4.4400e-003</b>	<b>3.1100e-003</b>	<b>0.0237</b>	<b>1.0000e-005</b>	<b>6.0000e-005</b>	<b>2.0000e-005</b>	<b>8.0000e-005</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.8975</b>	<b>0.8975</b>	<b>4.7000e-004</b>	<b>2.6000e-004</b>	<b>0.9860</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2024**

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.2000e-004	3.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0532	0.0532	0.0000	1.0000e-005	0.0557
Vendor	5.0000e-005	9.9000e-004	7.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1198	0.1198	0.0000	2.0000e-005	0.1256
Worker	4.3900e-003	2.0000e-003	0.0229	1.0000e-005	4.0000e-005	2.0000e-005	6.0000e-005	2.0000e-005	2.0000e-005	3.0000e-005	0.0000	0.7245	0.7245	4.7000e-004	2.3000e-004	0.8047
<b>Total</b>	<b>4.4400e-003</b>	<b>3.1100e-003</b>	<b>0.0237</b>	<b>1.0000e-005</b>	<b>6.0000e-005</b>	<b>2.0000e-005</b>	<b>8.0000e-005</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.8975</b>	<b>0.8975</b>	<b>4.7000e-004</b>	<b>2.6000e-004</b>	<b>0.9860</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	3.0000e-005	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0138	0.0138	0.0000	0.0000	0.0145
Vendor	1.0000e-005	2.6000e-004	1.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0311	0.0311	0.0000	0.0000	0.0326
Worker	1.0700e-003	4.9000e-004	5.8200e-003	0.0000	1.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.1852	0.1852	1.1000e-004	6.0000e-005	0.2053
<b>Total</b>	<b>1.0800e-003</b>	<b>7.8000e-004</b>	<b>6.0200e-003</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.2301</b>	<b>0.2301</b>	<b>1.1000e-004</b>	<b>6.0000e-005</b>	<b>0.2524</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2025**

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	3.0000e-005	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0138	0.0138	0.0000	0.0000	0.0145
Vendor	1.0000e-005	2.6000e-004	1.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0311	0.0311	0.0000	0.0000	0.0326
Worker	1.0700e-003	4.9000e-004	5.8200e-003	0.0000	1.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.1852	0.1852	1.1000e-004	6.0000e-005	0.2053
<b>Total</b>	<b>1.0800e-003</b>	<b>7.8000e-004</b>	<b>6.0200e-003</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.2301</b>	<b>0.2301</b>	<b>1.1000e-004</b>	<b>6.0000e-005</b>	<b>0.2524</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.0000e-005	7.0000e-004	1.6000e-004	0.0000	9.0000e-005	1.0000e-005	9.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.3058	0.3058	1.0000e-005	5.0000e-005	0.3205
Vendor	7.9000e-004	0.0159	0.0119	2.0000e-005	4.0000e-005	1.0000e-005	5.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	1.9280	1.9280	6.0000e-005	3.1000e-004	2.0209
Worker	0.0168	7.6400e-003	0.0878	3.0000e-005	1.6000e-004	7.0000e-005	2.4000e-004	7.0000e-005	7.0000e-005	1.3000e-004	0.0000	2.7747	2.7747	1.7900e-003	8.8000e-004	3.0819
<b>Total</b>	<b>0.0176</b>	<b>0.0243</b>	<b>0.0999</b>	<b>5.0000e-005</b>	<b>2.9000e-004</b>	<b>9.0000e-005</b>	<b>3.8000e-004</b>	<b>1.0000e-004</b>	<b>9.0000e-005</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>5.0085</b>	<b>5.0085</b>	<b>1.8600e-003</b>	<b>1.2400e-003</b>	<b>5.4233</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2024**

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.0000e-005	7.0000e-004	1.6000e-004	0.0000	9.0000e-005	1.0000e-005	9.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.3058	0.3058	1.0000e-005	5.0000e-005	0.3205
Vendor	7.9000e-004	0.0159	0.0119	2.0000e-005	4.0000e-005	1.0000e-005	5.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	1.9280	1.9280	6.0000e-005	3.1000e-004	2.0209
Worker	0.0168	7.6400e-003	0.0878	3.0000e-005	1.6000e-004	7.0000e-005	2.4000e-004	7.0000e-005	7.0000e-005	1.3000e-004	0.0000	2.7747	2.7747	1.7900e-003	8.8000e-004	3.0819
<b>Total</b>	<b>0.0176</b>	<b>0.0243</b>	<b>0.0999</b>	<b>5.0000e-005</b>	<b>2.9000e-004</b>	<b>9.0000e-005</b>	<b>3.8000e-004</b>	<b>1.0000e-004</b>	<b>9.0000e-005</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>5.0085</b>	<b>5.0085</b>	<b>1.8600e-003</b>	<b>1.2400e-003</b>	<b>5.4233</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	2.0000e-005	1.2900e-003	2.9000e-004	1.0000e-005	1.6000e-004	1.0000e-005	1.8000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.5571	0.5571	2.0000e-005	9.0000e-005	0.5839
Vendor	1.4500e-003	0.0295	0.0220	4.0000e-005	7.0000e-005	2.0000e-005	9.0000e-005	3.0000e-005	2.0000e-005	4.0000e-005	0.0000	3.5138	3.5138	1.1000e-004	5.6000e-004	3.6831
Worker	0.0289	0.0132	0.1567	5.0000e-005	3.1000e-004	1.3000e-004	4.3000e-004	1.2000e-004	1.2000e-004	2.4000e-004	0.0000	4.9831	4.9831	3.0600e-003	1.5600e-003	5.5241
<b>Total</b>	<b>0.0304</b>	<b>0.0439</b>	<b>0.1789</b>	<b>1.0000e-004</b>	<b>5.4000e-004</b>	<b>1.6000e-004</b>	<b>7.0000e-004</b>	<b>2.0000e-004</b>	<b>1.5000e-004</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>9.0540</b>	<b>9.0540</b>	<b>3.1900e-003</b>	<b>2.2100e-003</b>	<b>9.7911</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2025**

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	2.0000e-005	1.2900e-003	2.9000e-004	1.0000e-005	1.6000e-004	1.0000e-005	1.8000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.5571	0.5571	2.0000e-005	9.0000e-005	0.5839
Vendor	1.4500e-003	0.0295	0.0220	4.0000e-005	7.0000e-005	2.0000e-005	9.0000e-005	3.0000e-005	2.0000e-005	4.0000e-005	0.0000	3.5138	3.5138	1.1000e-004	5.6000e-004	3.6831
Worker	0.0289	0.0132	0.1567	5.0000e-005	3.1000e-004	1.3000e-004	4.3000e-004	1.2000e-004	1.2000e-004	2.4000e-004	0.0000	4.9831	4.9831	3.0600e-003	1.5600e-003	5.5241
<b>Total</b>	<b>0.0304</b>	<b>0.0439</b>	<b>0.1789</b>	<b>1.0000e-004</b>	<b>5.4000e-004</b>	<b>1.6000e-004</b>	<b>7.0000e-004</b>	<b>2.0000e-004</b>	<b>1.5000e-004</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>9.0540</b>	<b>9.0540</b>	<b>3.1900e-003</b>	<b>2.2100e-003</b>	<b>9.7911</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.8 Gen-Tie 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.5000e-004	3.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0672	0.0672	0.0000	1.0000e-005	0.0704
Vendor	2.0000e-005	5.0000e-004	3.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0606	0.0606	0.0000	1.0000e-005	0.0635
Worker	1.8000e-004	8.0000e-005	9.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0293	0.0293	2.0000e-005	1.0000e-005	0.0326
<b>Total</b>	<b>2.0000e-004</b>	<b>7.3000e-004</b>	<b>1.3400e-003</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.1571</b>	<b>0.1571</b>	<b>2.0000e-005</b>	<b>3.0000e-005</b>	<b>0.1665</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.8 Gen-Tie Construction - 2024**

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.5000e-004	3.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0672	0.0672	0.0000	1.0000e-005	0.0704
Vendor	2.0000e-005	5.0000e-004	3.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0606	0.0606	0.0000	1.0000e-005	0.0635
Worker	1.8000e-004	8.0000e-005	9.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0293	0.0293	2.0000e-005	1.0000e-005	0.0326
<b>Total</b>	<b>2.0000e-004</b>	<b>7.3000e-004</b>	<b>1.3400e-003</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.1571</b>	<b>0.1571</b>	<b>2.0000e-005</b>	<b>3.0000e-005</b>	<b>0.1665</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.9 Testing, Commissioning, Site Clean Up - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.0000e-005	6.1000e-004	1.4000e-004	0.0000	8.0000e-005	1.0000e-005	8.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.2637	0.2637	1.0000e-005	4.0000e-005	0.2764
Vendor	7.0000e-005	1.4300e-003	1.0600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1703	0.1703	1.0000e-005	3.0000e-005	0.1785
Worker	7.7000e-004	3.5000e-004	4.1500e-003	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.1319	0.1319	8.0000e-005	4.0000e-005	0.1462
<b>Total</b>	<b>8.5000e-004</b>	<b>2.3900e-003</b>	<b>5.3500e-003</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>1.0000e-005</b>	<b>9.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.5659</b>	<b>0.5659</b>	<b>1.0000e-004</b>	<b>1.1000e-004</b>	<b>0.6011</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.9 Testing, Commissioning, Site Clean Up - 2025**

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.0000e-005	6.1000e-004	1.4000e-004	0.0000	8.0000e-005	1.0000e-005	8.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.2637	0.2637	1.0000e-005	4.0000e-005	0.2764
Vendor	7.0000e-005	1.4300e-003	1.0600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1703	0.1703	1.0000e-005	3.0000e-005	0.1785
Worker	7.7000e-004	3.5000e-004	4.1500e-003	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.1319	0.1319	8.0000e-005	4.0000e-005	0.1462
<b>Total</b>	<b>8.5000e-004</b>	<b>2.3900e-003</b>	<b>5.3500e-003</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>1.0000e-005</b>	<b>9.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.5659</b>	<b>0.5659</b>	<b>1.0000e-004</b>	<b>1.1000e-004</b>	<b>0.6011</b>

**4.0 Operational Detail - Mobile**

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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
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
User Defined Industrial	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
Unrefrigerated Warehouse-No Rail	14.70	6.60	6.60	59.00	0.00	41.00	92	5	3
User Defined Industrial	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820

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User Defined Industrial	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820
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**5.0 Energy Detail**

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



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.0443	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-004	2.0000e-004	0.0000	0.0000	2.1000e-004
Unmitigated	0.0443	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-004	2.0000e-004	0.0000	0.0000	2.1000e-004

**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	5.2200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0391					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-004	2.0000e-004	0.0000	0.0000	2.1000e-004
<b>Total</b>	<b>0.0443</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.1000e-004</b>

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**6.2 Area by SubCategory**

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	5.2200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0391					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-004	2.0000e-004	0.0000	0.0000	2.1000e-004
<b>Total</b>	<b>0.0443</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.1000e-004</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

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	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			
Unrefrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**7.2 Water by Land Use**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**8.0 Waste Detail**

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**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

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**9.0 Operational Offroad**

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CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

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

**10.0 Stationary Equipment**

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**Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**CCAR Solar - BACT BAAQMD  
Bay Area AQMD Air District, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	10.00	1000sqft	2,555.00	10,000.00	0
User Defined Industrial	1.00	User Defined Unit	0.00	1.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	64
<b>Climate Zone</b>	3			<b>Operational Year</b>	2025
<b>Utility Company</b>	Sacramento Municipal Utility District				
<b>CO2 Intensity (lb/MWhr)</b>	357.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - Operational year 2025.

Land Use - 2,555 acers based on total development area.

Construction Phase - Construction phasing information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant. Off-Highway Trucks include 3 water trucks and 3 dump trucks.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment -

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Off-road Equipment - Construction equipment information was provided by the project applicant.

Trips and VMT - Construction trip information is based on data provided by the project applicant.

On-road Fugitive Dust -

Grading - 250,000 cubic yards of export

Vehicle Trips - no mobile

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating -

Energy Use - construction only.

Water And Wastewater - no water use

Solid Waste - no solid waste

Construction Off-road Equipment Mitigation - Included watering 3x daily, unpaved road stabilization and vehicle speed reduction as Enhanced Fugitive PM dust control control in practices as recommended by the SMAQMD

Fleet Mix - CalEEMod defaults.

Stationary Sources - Emergency Generators and Fire Pumps - NA

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblEnergyUse	LightingElect	3.22	0.00
tblEnergyUse	NT24E	5.13	0.00
tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	0.93	0.00
tblEnergyUse	T24NG	16.86	0.00
tblGrading	AcresOfGrading	0.00	550.00
tblGrading	MaterialExported	0.00	250,000.00
tblLandUse	LandUseSquareFeet	0.00	1.00
tblLandUse	LotAcreage	0.23	2,555.00
tblOffRoadEquipment	HorsePower	85.00	950.00

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblOffRoadEquipment	HorsePower	158.00	172.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	300.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	200.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	168.00	350.00
tblOffRoadEquipment	HorsePower	168.00	160.00
tblOffRoadEquipment	HorsePower	168.00	790.00
tblOffRoadEquipment	HorsePower	168.00	755.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	9.40	0.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00
tblTripsAndVMT	HaulingTripNumber	31,250.00	938.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	HaulingTripNumber	0.00	20.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	HaulingTripNumber	0.00	26.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	HaulingTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripLength	6.60	0.00
tblTripsAndVMT	VendorTripLength	6.60	0.00
tblTripsAndVMT	VendorTripLength	6.60	0.00

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tbITripsAndVMT	VendorTripLength	6.60	0.00
tbITripsAndVMT	VendorTripLength	6.60	0.00
tbITripsAndVMT	VendorTripLength	6.60	0.00
tbITripsAndVMT	VendorTripLength	6.60	0.00
tbITripsAndVMT	VendorTripLength	6.60	0.00
tbITripsAndVMT	VendorTripNumber	0.00	16.00
tbITripsAndVMT	VendorTripNumber	0.00	16.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	VendorTripNumber	2.00	4.00
tbITripsAndVMT	VendorTripNumber	0.00	2.00
tbITripsAndVMT	VendorTripNumber	2.00	40.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	WorkerTripLength	10.80	0.00
tbITripsAndVMT	WorkerTripLength	10.80	0.00
tbITripsAndVMT	WorkerTripLength	10.80	0.00
tbITripsAndVMT	WorkerTripLength	10.80	0.00
tbITripsAndVMT	WorkerTripLength	10.80	0.00
tbITripsAndVMT	WorkerTripLength	10.80	0.00
tbITripsAndVMT	WorkerTripLength	10.80	0.00
tbITripsAndVMT	WorkerTripLength	10.80	0.00
tbITripsAndVMT	WorkerTripLength	10.80	0.00
tbITripsAndVMT	WorkerTripNumber	0.00	50.00
tbITripsAndVMT	WorkerTripNumber	0.00	74.00
tbITripsAndVMT	WorkerTripNumber	0.00	30.00
tbITripsAndVMT	WorkerTripNumber	4.00	100.00
tbITripsAndVMT	WorkerTripNumber	0.00	100.00
tbITripsAndVMT	WorkerTripNumber	4.00	476.00
tbITripsAndVMT	WorkerTripNumber	0.00	16.00
tbITripsAndVMT	WorkerTripNumber	0.00	26.00



CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	2,312,500.00	0.00

**2.0 Emissions Summary**

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CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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					
2024	0.9412	1.7104	3.7816	5.3900e-003	2.8811	9.4600e-003	2.8906	0.3346	8.9400e-003	0.3435	0.0000	576.8622	576.8622	0.0878	0.1092	611.6022
2025	0.8567	1.6178	3.5570	5.1500e-003	2.8791	9.1100e-003	2.8882	0.3340	8.6100e-003	0.3426	0.0000	548.6336	548.6336	0.0802	0.1032	581.4026
<b>Maximum</b>	<b>0.9412</b>	<b>1.7104</b>	<b>3.7816</b>	<b>5.3900e-003</b>	<b>2.8811</b>	<b>9.4600e-003</b>	<b>2.8906</b>	<b>0.3346</b>	<b>8.9400e-003</b>	<b>0.3435</b>	<b>0.0000</b>	<b>576.8622</b>	<b>576.8622</b>	<b>0.0878</b>	<b>0.1092</b>	<b>611.6022</b>

**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					
2024	0.9412	1.7104	3.7816	5.3900e-003	1.1855	9.4600e-003	1.1949	0.1481	8.9400e-003	0.1571	0.0000	576.8622	576.8622	0.0878	0.1092	611.6022
2025	0.8567	1.6178	3.5570	5.1500e-003	1.1834	9.1100e-003	1.1925	0.1475	8.6100e-003	0.1561	0.0000	548.6336	548.6336	0.0802	0.1032	581.4026
<b>Maximum</b>	<b>0.9412</b>	<b>1.7104</b>	<b>3.7816</b>	<b>5.3900e-003</b>	<b>1.1855</b>	<b>9.4600e-003</b>	<b>1.1949</b>	<b>0.1481</b>	<b>8.9400e-003</b>	<b>0.1571</b>	<b>0.0000</b>	<b>576.8622</b>	<b>576.8622</b>	<b>0.0878</b>	<b>0.1092</b>	<b>611.6022</b>

## CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	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	58.87	0.00	58.69	55.78	0.00	54.36	0.00	0.00	0.00	0.00	0.00	0.00

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.2427	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
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
<b>Total</b>	<b>0.2427</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>2.4100e-003</b>	<b>2.4100e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>2.5600e-003</b>

**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	0.2427	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
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
<b>Total</b>	<b>0.2427</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>2.4100e-003</b>	<b>2.4100e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>2.5600e-003</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	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	3/1/2024	1/2/2025	5	220	
2	Perimeter Fence Installation	Site Preparation	3/1/2024	5/30/2024	5	65	
3	Tree Removal	Site Preparation	3/1/2024	6/4/2024	5	68	
4	Energy Storage System	Building Construction	8/1/2024	6/18/2025	5	230	
5	Underground Work (Utilities)	Trenching	9/1/2024	1/31/2025	5	110	
6	System Installation	Building Construction	9/25/2024	7/1/2025	5	200	
7	Gen-Tie Construction	Trenching	10/1/2024	10/30/2024	5	22	
8	Testing, Commissioning, Site Clean Up	Trenching	6/1/2025	8/27/2025	5	63	

**Acres of Grading (Site Preparation Phase): 550**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Off-Highway Trucks	0	8.00	402	0.38
Site Preparation	Rollers	0	8.00	80	0.38

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Scrapers	0	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Perimeter Fence Installation	Off-Highway Trucks	0	8.00	150	0.38
Perimeter Fence Installation	Rough Terrain Forklifts	0	8.00	100	0.40
Perimeter Fence Installation	Rubber Tired Dozers	0	0.00	247	0.40
Perimeter Fence Installation	Skid Steer Loaders	0	8.00	65	0.37
Perimeter Fence Installation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Tree Removal	Crushing/Proc. Equipment	0	8.00	950	0.78
Tree Removal	Excavators	0	8.00	172	0.38
Tree Removal	Other Material Handling Equipment	0	8.00	350	0.40
Tree Removal	Other Material Handling Equipment	0	8.00	160	0.40
Tree Removal	Other Material Handling Equipment	0	8.00	790	0.40
Tree Removal	Other Material Handling Equipment	0	8.00	755	0.40
Tree Removal	Rubber Tired Dozers	0	8.00	247	0.40
Tree Removal	Skid Steer Loaders	0	8.00	65	0.37
Tree Removal	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Energy Storage System	Cranes	0	8.00	231	0.29
Energy Storage System	Forklifts	0	0.00	89	0.20
Energy Storage System	Generator Sets	0	0.00	84	0.74
Energy Storage System	Graders	0	8.00	187	0.41
Energy Storage System	Off-Highway Trucks	0	8.00	150	0.38
Energy Storage System	Rough Terrain Forklifts	0	8.00	100	0.40
Energy Storage System	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Energy Storage System	Welders	0	0.00	46	0.45
Underground Work (Utilities)	Cranes	0	0.00	231	0.29
Underground Work (Utilities)	Excavators	0	8.00	158	0.38
Underground Work (Utilities)	Off-Highway Trucks	0	8.00	300	0.38
Underground Work (Utilities)	Other Construction Equipment	0	8.00	172	0.42

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Underground Work (Utilities)	Rollers	0	8.00	80	0.38
Underground Work (Utilities)	Rough Terrain Forklifts	0	8.00	100	0.40
System Installation	Cranes	0	8.00	231	0.29
System Installation	Forklifts	0	0.00	89	0.20
System Installation	Generator Sets	0	8.00	84	0.74
System Installation	Off-Highway Trucks	0	8.00	150	0.38
System Installation	Other Construction Equipment	0	8.00	172	0.42
System Installation	Rough Terrain Forklifts	0	8.00	100	0.40
System Installation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
System Installation	Welders	0	0.00	46	0.45
Gen-Tie Construction	Off-Highway Trucks	0	8.00	200	0.38
Testing, Commissioning, Site Clean Up	Graders	0	8.00	187	0.41
Testing, Commissioning, Site Clean Up	Off-Highway Trucks	0	8.00	150	0.38
Testing, Commissioning, Site Clean Up	Skid Steer Loaders	0	8.00	65	0.37

**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	0	50.00	16.00	938.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT
Perimeter Fence Installation	0	74.00	16.00	2.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT
Tree Removal	0	30.00	4.00	0.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT
Energy Storage System	0	100.00	4.00	20.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT
Underground Work (Utilities)	0	100.00	2.00	2.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT
System Installation	0	476.00	40.00	26.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT
Gen-Tie Construction	0	16.00	4.00	2.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT
Testing, Commissioning, Site Clean Up	0	26.00	4.00	8.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

**3.2 Site Preparation - 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					
Fugitive Dust					2.7798	0.0000	2.7798	0.3057	0.0000	0.3057			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.7798</b>	<b>0.0000</b>	<b>2.7798</b>	<b>0.3057</b>	<b>0.0000</b>	<b>0.3057</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>



CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2024**

**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	9.8200e-003	0.6302	0.1477	2.8900e-003	0.0858	5.4100e-003	0.0912	0.0235	5.1800e-003	0.0287		315.7562	315.7562	0.0106	0.0500	330.9337
Vendor	9.4300e-003	0.1774	0.1324	2.2000e-004	4.2000e-004	1.0000e-004	5.2000e-004	1.7000e-004	1.0000e-004	2.6000e-004		24.0774	24.0774	7.4000e-004	3.8300e-003	25.2358
Worker	0.0601	0.0202	0.2073	9.0000e-005	4.9000e-004	2.2000e-004	7.1000e-004	2.0000e-004	2.0000e-004	3.9000e-004		9.2750	9.2750	4.9400e-003	2.6700e-003	10.1930
<b>Total</b>	<b>0.0793</b>	<b>0.8279</b>	<b>0.4874</b>	<b>3.2000e-003</b>	<b>0.0867</b>	<b>5.7300e-003</b>	<b>0.0924</b>	<b>0.0239</b>	<b>5.4800e-003</b>	<b>0.0293</b>		<b>349.1085</b>	<b>349.1085</b>	<b>0.0163</b>	<b>0.0565</b>	<b>366.3625</b>

**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					1.0841	0.0000	1.0841	0.1192	0.0000	0.1192			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0841</b>	<b>0.0000</b>	<b>1.0841</b>	<b>0.1192</b>	<b>0.0000</b>	<b>0.1192</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2024**

**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	9.8200e-003	0.6302	0.1477	2.8900e-003	0.0858	5.4100e-003	0.0912	0.0235	5.1800e-003	0.0287		315.7562	315.7562	0.0106	0.0500	330.9337
Vendor	9.4300e-003	0.1774	0.1324	2.2000e-004	4.2000e-004	1.0000e-004	5.2000e-004	1.7000e-004	1.0000e-004	2.6000e-004		24.0774	24.0774	7.4000e-004	3.8300e-003	25.2358
Worker	0.0601	0.0202	0.2073	9.0000e-005	4.9000e-004	2.2000e-004	7.1000e-004	2.0000e-004	2.0000e-004	3.9000e-004		9.2750	9.2750	4.9400e-003	2.6700e-003	10.1930
<b>Total</b>	<b>0.0793</b>	<b>0.8279</b>	<b>0.4874</b>	<b>3.2000e-003</b>	<b>0.0867</b>	<b>5.7300e-003</b>	<b>0.0924</b>	<b>0.0239</b>	<b>5.4800e-003</b>	<b>0.0293</b>		<b>349.1085</b>	<b>349.1085</b>	<b>0.0163</b>	<b>0.0565</b>	<b>366.3625</b>

**3.2 Site Preparation - 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					
Fugitive Dust					2.7798	0.0000	2.7798	0.3057	0.0000	0.3057			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.7798</b>	<b>0.0000</b>	<b>2.7798</b>	<b>0.3057</b>	<b>0.0000</b>	<b>0.3057</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2025**

**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	9.7500e-003	0.6262	0.1482	2.8400e-003	0.0858	5.4000e-003	0.0912	0.0235	5.1700e-003	0.0287		309.7582	309.7582	0.0106	0.0491	324.6547
Vendor	9.3300e-003	0.1765	0.1311	2.2000e-004	4.2000e-004	1.0000e-004	5.2000e-004	1.7000e-004	1.0000e-004	2.6000e-004		23.6243	23.6243	7.3000e-004	3.7500e-003	24.7614
Worker	0.0558	0.0188	0.1992	9.0000e-005	4.9000e-004	2.1000e-004	7.0000e-004	2.0000e-004	1.9000e-004	3.9000e-004		8.9703	8.9703	4.5600e-003	2.5400e-003	9.8411
<b>Total</b>	<b>0.0749</b>	<b>0.8215</b>	<b>0.4785</b>	<b>3.1500e-003</b>	<b>0.0867</b>	<b>5.7100e-003</b>	<b>0.0924</b>	<b>0.0239</b>	<b>5.4600e-003</b>	<b>0.0293</b>		<b>342.3528</b>	<b>342.3528</b>	<b>0.0159</b>	<b>0.0554</b>	<b>359.2572</b>

**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					1.0841	0.0000	1.0841	0.1192	0.0000	0.1192			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0841</b>	<b>0.0000</b>	<b>1.0841</b>	<b>0.1192</b>	<b>0.0000</b>	<b>0.1192</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2025**

**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	9.7500e-003	0.6262	0.1482	2.8400e-003	0.0858	5.4000e-003	0.0912	0.0235	5.1700e-003	0.0287		309.7582	309.7582	0.0106	0.0491	324.6547
Vendor	9.3300e-003	0.1765	0.1311	2.2000e-004	4.2000e-004	1.0000e-004	5.2000e-004	1.7000e-004	1.0000e-004	2.6000e-004		23.6243	23.6243	7.3000e-004	3.7500e-003	24.7614
Worker	0.0558	0.0188	0.1992	9.0000e-005	4.9000e-004	2.1000e-004	7.0000e-004	2.0000e-004	1.9000e-004	3.9000e-004		8.9703	8.9703	4.5600e-003	2.5400e-003	9.8411
<b>Total</b>	<b>0.0749</b>	<b>0.8215</b>	<b>0.4785</b>	<b>3.1500e-003</b>	<b>0.0867</b>	<b>5.7100e-003</b>	<b>0.0924</b>	<b>0.0239</b>	<b>5.4600e-003</b>	<b>0.0293</b>		<b>342.3528</b>	<b>342.3528</b>	<b>0.0159</b>	<b>0.0554</b>	<b>359.2572</b>

**3.3 Perimeter Fence Installation - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Perimeter Fence Installation - 2024**

**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	7.0000e-005	4.5500e-003	1.0700e-003	2.0000e-005	6.2000e-004	4.0000e-005	6.6000e-004	1.7000e-004	4.0000e-005	2.1000e-004		2.2787	2.2787	8.0000e-005	3.6000e-004	2.3882
Vendor	9.4300e-003	0.1774	0.1324	2.2000e-004	4.2000e-004	1.0000e-004	5.2000e-004	1.7000e-004	1.0000e-004	2.6000e-004		24.0774	24.0774	7.4000e-004	3.8300e-003	25.2358
Worker	0.0889	0.0299	0.3068	1.4000e-004	7.3000e-004	3.2000e-004	1.0500e-003	2.9000e-004	2.9000e-004	5.8000e-004		13.7270	13.7270	7.3200e-003	3.9500e-003	15.0856
<b>Total</b>	<b>0.0984</b>	<b>0.2119</b>	<b>0.4403</b>	<b>3.8000e-004</b>	<b>1.7700e-003</b>	<b>4.6000e-004</b>	<b>2.2300e-003</b>	<b>6.3000e-004</b>	<b>4.3000e-004</b>	<b>1.0500e-003</b>		<b>40.0830</b>	<b>40.0830</b>	<b>8.1400e-003</b>	<b>8.1400e-003</b>	<b>42.7096</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Perimeter Fence Installation - 2024**

**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	7.0000e-005	4.5500e-003	1.0700e-003	2.0000e-005	6.2000e-004	4.0000e-005	6.6000e-004	1.7000e-004	4.0000e-005	2.1000e-004		2.2787	2.2787	8.0000e-005	3.6000e-004	2.3882
Vendor	9.4300e-003	0.1774	0.1324	2.2000e-004	4.2000e-004	1.0000e-004	5.2000e-004	1.7000e-004	1.0000e-004	2.6000e-004		24.0774	24.0774	7.4000e-004	3.8300e-003	25.2358
Worker	0.0889	0.0299	0.3068	1.4000e-004	7.3000e-004	3.2000e-004	1.0500e-003	2.9000e-004	2.9000e-004	5.8000e-004		13.7270	13.7270	7.3200e-003	3.9500e-003	15.0856
<b>Total</b>	<b>0.0984</b>	<b>0.2119</b>	<b>0.4403</b>	<b>3.8000e-004</b>	<b>1.7700e-003</b>	<b>4.6000e-004</b>	<b>2.2300e-003</b>	<b>6.3000e-004</b>	<b>4.3000e-004</b>	<b>1.0500e-003</b>		<b>40.0830</b>	<b>40.0830</b>	<b>8.1400e-003</b>	<b>8.1400e-003</b>	<b>42.7096</b>

**3.4 Tree Removal - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Tree Removal - 2024**

**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	2.3600e-003	0.0444	0.0331	6.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	2.0000e-005	7.0000e-005		6.0193	6.0193	1.8000e-004	9.6000e-004	6.3089
Worker	0.0361	0.0121	0.1244	6.0000e-005	3.0000e-004	1.3000e-004	4.3000e-004	1.2000e-004	1.2000e-004	2.4000e-004		5.5650	5.5650	2.9700e-003	1.6000e-003	6.1158
<b>Total</b>	<b>0.0384</b>	<b>0.0565</b>	<b>0.1575</b>	<b>1.2000e-004</b>	<b>4.1000e-004</b>	<b>1.6000e-004</b>	<b>5.6000e-004</b>	<b>1.6000e-004</b>	<b>1.4000e-004</b>	<b>3.1000e-004</b>		<b>11.5843</b>	<b>11.5843</b>	<b>3.1500e-003</b>	<b>2.5600e-003</b>	<b>12.4247</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Tree Removal - 2024**

**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	2.3600e-003	0.0444	0.0331	6.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	2.0000e-005	7.0000e-005		6.0193	6.0193	1.8000e-004	9.6000e-004	6.3089
Worker	0.0361	0.0121	0.1244	6.0000e-005	3.0000e-004	1.3000e-004	4.3000e-004	1.2000e-004	1.2000e-004	2.4000e-004		5.5650	5.5650	2.9700e-003	1.6000e-003	6.1158
<b>Total</b>	<b>0.0384</b>	<b>0.0565</b>	<b>0.1575</b>	<b>1.2000e-004</b>	<b>4.1000e-004</b>	<b>1.6000e-004</b>	<b>5.6000e-004</b>	<b>1.6000e-004</b>	<b>1.4000e-004</b>	<b>3.1000e-004</b>		<b>11.5843</b>	<b>11.5843</b>	<b>3.1500e-003</b>	<b>2.5600e-003</b>	<b>12.4247</b>

**3.5 Energy Storage System - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>



CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2024**

**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	2.0000e-004	0.0129	3.0100e-003	6.0000e-005	1.7500e-003	1.1000e-004	1.8600e-003	4.8000e-004	1.1000e-004	5.9000e-004		6.4398	6.4398	2.2000e-004	1.0200e-003	6.7494
Vendor	2.3600e-003	0.0444	0.0331	6.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	2.0000e-005	7.0000e-005		6.0193	6.0193	1.8000e-004	9.6000e-004	6.3089
Worker	0.1202	0.0405	0.4146	1.8000e-004	9.9000e-004	4.3000e-004	1.4200e-003	3.9000e-004	4.0000e-004	7.9000e-004		18.5499	18.5499	9.8900e-003	5.3300e-003	20.3860
<b>Total</b>	<b>0.1227</b>	<b>0.0977</b>	<b>0.4507</b>	<b>3.0000e-004</b>	<b>2.8500e-003</b>	<b>5.7000e-004</b>	<b>3.4100e-003</b>	<b>9.1000e-004</b>	<b>5.3000e-004</b>	<b>1.4500e-003</b>		<b>31.0091</b>	<b>31.0091</b>	<b>0.0103</b>	<b>7.3100e-003</b>	<b>33.4443</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2024**

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	2.0000e-004	0.0129	3.0100e-003	6.0000e-005	1.7500e-003	1.1000e-004	1.8600e-003	4.8000e-004	1.1000e-004	5.9000e-004		6.4398	6.4398	2.2000e-004	1.0200e-003	6.7494
Vendor	2.3600e-003	0.0444	0.0331	6.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	2.0000e-005	7.0000e-005		6.0193	6.0193	1.8000e-004	9.6000e-004	6.3089
Worker	0.1202	0.0405	0.4146	1.8000e-004	9.9000e-004	4.3000e-004	1.4200e-003	3.9000e-004	4.0000e-004	7.9000e-004		18.5499	18.5499	9.8900e-003	5.3300e-003	20.3860
<b>Total</b>	<b>0.1227</b>	<b>0.0977</b>	<b>0.4507</b>	<b>3.0000e-004</b>	<b>2.8500e-003</b>	<b>5.7000e-004</b>	<b>3.4100e-003</b>	<b>9.1000e-004</b>	<b>5.3000e-004</b>	<b>1.4500e-003</b>		<b>31.0091</b>	<b>31.0091</b>	<b>0.0103</b>	<b>7.3100e-003</b>	<b>33.4443</b>

**3.5 Energy Storage System - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2025**

**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	2.0000e-004	0.0128	3.0200e-003	6.0000e-005	1.7500e-003	1.1000e-004	1.8600e-003	4.8000e-004	1.1000e-004	5.8000e-004		6.3175	6.3175	2.2000e-004	1.0000e-003	6.6213
Vendor	2.3300e-003	0.0441	0.0328	6.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	2.0000e-005	7.0000e-005		5.9061	5.9061	1.8000e-004	9.4000e-004	6.1904
Worker	0.1116	0.0376	0.3984	1.8000e-004	9.9000e-004	4.2000e-004	1.4000e-003	3.9000e-004	3.8000e-004	7.7000e-004		17.9405	17.9405	9.1200e-003	5.0800e-003	19.6822
<b>Total</b>	<b>0.1141</b>	<b>0.0945</b>	<b>0.4342</b>	<b>3.0000e-004</b>	<b>2.8500e-003</b>	<b>5.6000e-004</b>	<b>3.3900e-003</b>	<b>9.1000e-004</b>	<b>5.1000e-004</b>	<b>1.4200e-003</b>		<b>30.1641</b>	<b>30.1641</b>	<b>9.5200e-003</b>	<b>7.0200e-003</b>	<b>32.4939</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2025**

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	2.0000e-004	0.0128	3.0200e-003	6.0000e-005	1.7500e-003	1.1000e-004	1.8600e-003	4.8000e-004	1.1000e-004	5.8000e-004		6.3175	6.3175	2.2000e-004	1.0000e-003	6.6213
Vendor	2.3300e-003	0.0441	0.0328	6.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	2.0000e-005	7.0000e-005		5.9061	5.9061	1.8000e-004	9.4000e-004	6.1904
Worker	0.1116	0.0376	0.3984	1.8000e-004	9.9000e-004	4.2000e-004	1.4000e-003	3.9000e-004	3.8000e-004	7.7000e-004		17.9405	17.9405	9.1200e-003	5.0800e-003	19.6822
<b>Total</b>	<b>0.1141</b>	<b>0.0945</b>	<b>0.4342</b>	<b>3.0000e-004</b>	<b>2.8500e-003</b>	<b>5.6000e-004</b>	<b>3.3900e-003</b>	<b>9.1000e-004</b>	<b>5.1000e-004</b>	<b>1.4200e-003</b>		<b>30.1641</b>	<b>30.1641</b>	<b>9.5200e-003</b>	<b>7.0200e-003</b>	<b>32.4939</b>

**3.6 Underground Work (Utilities) - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2024**

**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	4.0000e-005	2.6900e-003	6.3000e-004	1.0000e-005	3.7000e-004	2.0000e-005	3.9000e-004	1.0000e-004	2.0000e-005	1.2000e-004		1.3465	1.3465	5.0000e-005	2.1000e-004	1.4112
Vendor	1.1800e-003	0.0222	0.0166	3.0000e-005	5.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005		3.0097	3.0097	9.0000e-005	4.8000e-004	3.1545
Worker	0.1202	0.0405	0.4146	1.8000e-004	9.9000e-004	4.3000e-004	1.4200e-003	3.9000e-004	4.0000e-004	7.9000e-004		18.5499	18.5499	9.8900e-003	5.3300e-003	20.3860
<b>Total</b>	<b>0.1214</b>	<b>0.0653</b>	<b>0.4318</b>	<b>2.2000e-004</b>	<b>1.4100e-003</b>	<b>4.6000e-004</b>	<b>1.8800e-003</b>	<b>5.1000e-004</b>	<b>4.3000e-004</b>	<b>9.4000e-004</b>		<b>22.9061</b>	<b>22.9061</b>	<b>0.0100</b>	<b>6.0200e-003</b>	<b>24.9517</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2024**

**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	4.0000e-005	2.6900e-003	6.3000e-004	1.0000e-005	3.7000e-004	2.0000e-005	3.9000e-004	1.0000e-004	2.0000e-005	1.2000e-004		1.3465	1.3465	5.0000e-005	2.1000e-004	1.4112
Vendor	1.1800e-003	0.0222	0.0166	3.0000e-005	5.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005		3.0097	3.0097	9.0000e-005	4.8000e-004	3.1545
Worker	0.1202	0.0405	0.4146	1.8000e-004	9.9000e-004	4.3000e-004	1.4200e-003	3.9000e-004	4.0000e-004	7.9000e-004		18.5499	18.5499	9.8900e-003	5.3300e-003	20.3860
<b>Total</b>	<b>0.1214</b>	<b>0.0653</b>	<b>0.4318</b>	<b>2.2000e-004</b>	<b>1.4100e-003</b>	<b>4.6000e-004</b>	<b>1.8800e-003</b>	<b>5.1000e-004</b>	<b>4.3000e-004</b>	<b>9.4000e-004</b>		<b>22.9061</b>	<b>22.9061</b>	<b>0.0100</b>	<b>6.0200e-003</b>	<b>24.9517</b>

**3.6 Underground Work (Utilities) - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2025**

**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	4.0000e-005	2.6700e-003	6.3000e-004	1.0000e-005	3.7000e-004	2.0000e-005	3.9000e-004	1.0000e-004	2.0000e-005	1.2000e-004		1.3209	1.3209	5.0000e-005	2.1000e-004	1.3845
Vendor	1.1700e-003	0.0221	0.0164	3.0000e-005	5.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005		2.9530	2.9530	9.0000e-005	4.7000e-004	3.0952
Worker	0.1116	0.0376	0.3984	1.8000e-004	9.9000e-004	4.2000e-004	1.4000e-003	3.9000e-004	3.8000e-004	7.7000e-004		17.9405	17.9405	9.1200e-003	5.0800e-003	19.6822
<b>Total</b>	<b>0.1128</b>	<b>0.0624</b>	<b>0.4155</b>	<b>2.2000e-004</b>	<b>1.4100e-003</b>	<b>4.5000e-004</b>	<b>1.8600e-003</b>	<b>5.1000e-004</b>	<b>4.1000e-004</b>	<b>9.2000e-004</b>		<b>22.2145</b>	<b>22.2145</b>	<b>9.2600e-003</b>	<b>5.7600e-003</b>	<b>24.1619</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2025**

**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	4.0000e-005	2.6700e-003	6.3000e-004	1.0000e-005	3.7000e-004	2.0000e-005	3.9000e-004	1.0000e-004	2.0000e-005	1.2000e-004		1.3209	1.3209	5.0000e-005	2.1000e-004	1.3845
Vendor	1.1700e-003	0.0221	0.0164	3.0000e-005	5.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005		2.9530	2.9530	9.0000e-005	4.7000e-004	3.0952
Worker	0.1116	0.0376	0.3984	1.8000e-004	9.9000e-004	4.2000e-004	1.4000e-003	3.9000e-004	3.8000e-004	7.7000e-004		17.9405	17.9405	9.1200e-003	5.0800e-003	19.6822
<b>Total</b>	<b>0.1128</b>	<b>0.0624</b>	<b>0.4155</b>	<b>2.2000e-004</b>	<b>1.4100e-003</b>	<b>4.5000e-004</b>	<b>1.8600e-003</b>	<b>5.1000e-004</b>	<b>4.1000e-004</b>	<b>9.2000e-004</b>		<b>22.2145</b>	<b>22.2145</b>	<b>9.2600e-003</b>	<b>5.7600e-003</b>	<b>24.1619</b>

**3.7 System Installation - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>



CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2024**

**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	3.0000e-004	0.0192	4.5000e-003	9.0000e-005	2.6100e-003	1.7000e-004	2.7800e-003	7.2000e-004	1.6000e-004	8.7000e-004		9.6275	9.6275	3.2000e-004	1.5300e-003	10.0903
Vendor	0.0236	0.4436	0.3310	5.6000e-004	1.0500e-003	2.6000e-004	1.3100e-003	4.1000e-004	2.5000e-004	6.6000e-004		60.1935	60.1935	1.8400e-003	9.5600e-003	63.0894
Worker	0.5721	0.1925	1.9736	8.7000e-004	4.7000e-003	2.0600e-003	6.7500e-003	1.8600e-003	1.8900e-003	3.7500e-003		88.2977	88.2977	0.0471	0.0254	97.0372
<b>Total</b>	<b>0.5960</b>	<b>0.6553</b>	<b>2.3091</b>	<b>1.5200e-003</b>	<b>8.3600e-003</b>	<b>2.4900e-003</b>	<b>0.0108</b>	<b>2.9900e-003</b>	<b>2.3000e-003</b>	<b>5.2800e-003</b>		<b>158.1186</b>	<b>158.1186</b>	<b>0.0492</b>	<b>0.0365</b>	<b>170.2169</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2024**

**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	3.0000e-004	0.0192	4.5000e-003	9.0000e-005	2.6100e-003	1.7000e-004	2.7800e-003	7.2000e-004	1.6000e-004	8.7000e-004		9.6275	9.6275	3.2000e-004	1.5300e-003	10.0903
Vendor	0.0236	0.4436	0.3310	5.6000e-004	1.0500e-003	2.6000e-004	1.3100e-003	4.1000e-004	2.5000e-004	6.6000e-004		60.1935	60.1935	1.8400e-003	9.5600e-003	63.0894
Worker	0.5721	0.1925	1.9736	8.7000e-004	4.7000e-003	2.0600e-003	6.7500e-003	1.8600e-003	1.8900e-003	3.7500e-003		88.2977	88.2977	0.0471	0.0254	97.0372
<b>Total</b>	<b>0.5960</b>	<b>0.6553</b>	<b>2.3091</b>	<b>1.5200e-003</b>	<b>8.3600e-003</b>	<b>2.4900e-003</b>	<b>0.0108</b>	<b>2.9900e-003</b>	<b>2.3000e-003</b>	<b>5.2800e-003</b>		<b>158.1186</b>	<b>158.1186</b>	<b>0.0492</b>	<b>0.0365</b>	<b>170.2169</b>

**3.7 System Installation - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2025**

**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	3.0000e-004	0.0191	4.5200e-003	9.0000e-005	2.6100e-003	1.6000e-004	2.7800e-003	7.2000e-004	1.6000e-004	8.7000e-004		9.4447	9.4447	3.2000e-004	1.5000e-003	9.8989
Vendor	0.0233	0.4412	0.3278	5.5000e-004	1.0500e-003	2.5000e-004	1.3100e-003	4.1000e-004	2.4000e-004	6.6000e-004		59.0608	59.0608	1.8200e-003	9.3900e-003	61.9035
Worker	0.5313	0.1791	1.8965	8.4000e-004	4.7000e-003	1.9800e-003	6.6700e-003	1.8600e-003	1.8200e-003	3.6800e-003		85.3968	85.3968	0.0434	0.0242	93.6874
<b>Total</b>	<b>0.5549</b>	<b>0.6394</b>	<b>2.2288</b>	<b>1.4800e-003</b>	<b>8.3600e-003</b>	<b>2.3900e-003</b>	<b>0.0108</b>	<b>2.9900e-003</b>	<b>2.2200e-003</b>	<b>5.2100e-003</b>		<b>153.9023</b>	<b>153.9023</b>	<b>0.0455</b>	<b>0.0351</b>	<b>165.4898</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2025**

**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	3.0000e-004	0.0191	4.5200e-003	9.0000e-005	2.6100e-003	1.6000e-004	2.7800e-003	7.2000e-004	1.6000e-004	8.7000e-004		9.4447	9.4447	3.2000e-004	1.5000e-003	9.8989
Vendor	0.0233	0.4412	0.3278	5.5000e-004	1.0500e-003	2.5000e-004	1.3100e-003	4.1000e-004	2.4000e-004	6.6000e-004		59.0608	59.0608	1.8200e-003	9.3900e-003	61.9035
Worker	0.5313	0.1791	1.8965	8.4000e-004	4.7000e-003	1.9800e-003	6.6700e-003	1.8600e-003	1.8200e-003	3.6800e-003		85.3968	85.3968	0.0434	0.0242	93.6874
<b>Total</b>	<b>0.5549</b>	<b>0.6394</b>	<b>2.2288</b>	<b>1.4800e-003</b>	<b>8.3600e-003</b>	<b>2.3900e-003</b>	<b>0.0108</b>	<b>2.9900e-003</b>	<b>2.2200e-003</b>	<b>5.2100e-003</b>		<b>153.9023</b>	<b>153.9023</b>	<b>0.0455</b>	<b>0.0351</b>	<b>165.4898</b>

**3.8 Gen-Tie 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.8 Gen-Tie Construction - 2024**

**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	2.1000e-004	0.0134	3.1500e-003	6.0000e-005	1.8300e-003	1.2000e-004	1.9400e-003	5.0000e-004	1.1000e-004	6.1000e-004		6.7325	6.7325	2.3000e-004	1.0700e-003	7.0562
Vendor	2.3600e-003	0.0444	0.0331	6.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	2.0000e-005	7.0000e-005		6.0193	6.0193	1.8000e-004	9.6000e-004	6.3089
Worker	0.0192	6.4700e-003	0.0663	3.0000e-005	1.6000e-004	7.0000e-005	2.3000e-004	6.0000e-005	6.0000e-005	1.3000e-004		2.9680	2.9680	1.5800e-003	8.5000e-004	3.2618
<b>Total</b>	<b>0.0218</b>	<b>0.0643</b>	<b>0.1026</b>	<b>1.5000e-004</b>	<b>2.1000e-003</b>	<b>2.2000e-004</b>	<b>2.3000e-003</b>	<b>6.0000e-004</b>	<b>1.9000e-004</b>	<b>8.1000e-004</b>		<b>15.7199</b>	<b>15.7199</b>	<b>1.9900e-003</b>	<b>2.8800e-003</b>	<b>16.6269</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.8 Gen-Tie Construction - 2024**

**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	2.1000e-004	0.0134	3.1500e-003	6.0000e-005	1.8300e-003	1.2000e-004	1.9400e-003	5.0000e-004	1.1000e-004	6.1000e-004		6.7325	6.7325	2.3000e-004	1.0700e-003	7.0562
Vendor	2.3600e-003	0.0444	0.0331	6.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	2.0000e-005	7.0000e-005		6.0193	6.0193	1.8000e-004	9.6000e-004	6.3089
Worker	0.0192	6.4700e-003	0.0663	3.0000e-005	1.6000e-004	7.0000e-005	2.3000e-004	6.0000e-005	6.0000e-005	1.3000e-004		2.9680	2.9680	1.5800e-003	8.5000e-004	3.2618
<b>Total</b>	<b>0.0218</b>	<b>0.0643</b>	<b>0.1026</b>	<b>1.5000e-004</b>	<b>2.1000e-003</b>	<b>2.2000e-004</b>	<b>2.3000e-003</b>	<b>6.0000e-004</b>	<b>1.9000e-004</b>	<b>8.1000e-004</b>		<b>15.7199</b>	<b>15.7199</b>	<b>1.9900e-003</b>	<b>2.8800e-003</b>	<b>16.6269</b>

**3.9 Testing, Commissioning, Site Clean Up - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.9 Testing, Commissioning, Site Clean Up - 2025**

**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	2.9000e-004	0.0187	4.4100e-003	8.0000e-005	2.5500e-003	1.6000e-004	2.7200e-003	7.0000e-004	1.5000e-004	8.5000e-004		9.2256	9.2256	3.1000e-004	1.4600e-003	9.6692
Vendor	2.3300e-003	0.0441	0.0328	6.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	2.0000e-005	7.0000e-005		5.9061	5.9061	1.8000e-004	9.4000e-004	6.1904
Worker	0.0290	9.7800e-003	0.1036	5.0000e-005	2.6000e-004	1.1000e-004	3.6000e-004	1.0000e-004	1.0000e-004	2.0000e-004		4.6645	4.6645	2.3700e-003	1.3200e-003	5.1174
<b>Total</b>	<b>0.0316</b>	<b>0.0726</b>	<b>0.1408</b>	<b>1.9000e-004</b>	<b>2.9200e-003</b>	<b>3.0000e-004</b>	<b>3.2100e-003</b>	<b>8.4000e-004</b>	<b>2.7000e-004</b>	<b>1.1200e-003</b>		<b>19.7962</b>	<b>19.7962</b>	<b>2.8600e-003</b>	<b>3.7200e-003</b>	<b>20.9769</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.9 Testing, Commissioning, Site Clean Up - 2025**

**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	2.9000e-004	0.0187	4.4100e-003	8.0000e-005	2.5500e-003	1.6000e-004	2.7200e-003	7.0000e-004	1.5000e-004	8.5000e-004		9.2256	9.2256	3.1000e-004	1.4600e-003	9.6692
Vendor	2.3300e-003	0.0441	0.0328	6.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	2.0000e-005	7.0000e-005		5.9061	5.9061	1.8000e-004	9.4000e-004	6.1904
Worker	0.0290	9.7800e-003	0.1036	5.0000e-005	2.6000e-004	1.1000e-004	3.6000e-004	1.0000e-004	1.0000e-004	2.0000e-004		4.6645	4.6645	2.3700e-003	1.3200e-003	5.1174
<b>Total</b>	<b>0.0316</b>	<b>0.0726</b>	<b>0.1408</b>	<b>1.9000e-004</b>	<b>2.9200e-003</b>	<b>3.0000e-004</b>	<b>3.2100e-003</b>	<b>8.4000e-004</b>	<b>2.7000e-004</b>	<b>1.1200e-003</b>		<b>19.7962</b>	<b>19.7962</b>	<b>2.8600e-003</b>	<b>3.7200e-003</b>	<b>20.9769</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**



CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
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

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
User Defined Industrial	0.00	0.00	0.00		
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		

**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
Unrefrigerated Warehouse-No Rail	14.70	6.60	6.60	59.00	0.00	41.00	92	5	3
User Defined Industrial	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820
User Defined Industrial	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**5.0 Energy Detail**

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

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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					
Unrefrigerated Warehouse-No Rail	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
User Defined Industrial	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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

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					
Unrefrigerated Warehouse-No Rail	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
User Defined Industrial	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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.2427	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
Unmitigated	0.2427	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003

**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	0.0286					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2140					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-004	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
<b>Total</b>	<b>0.2427</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.4100e-003</b>	<b>2.4100e-003</b>	<b>1.0000e-005</b>		<b>2.5600e-003</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**6.2 Area by SubCategory**

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	0.0286					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2140					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-004	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
<b>Total</b>	<b>0.2427</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.4100e-003</b>	<b>2.4100e-003</b>	<b>1.0000e-005</b>		<b>2.5600e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

**10.0 Stationary Equipment**

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**Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**CCAR Solar - BACT BAAQMD  
Bay Area AQMD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	10.00	1000sqft	2,555.00	10,000.00	0
User Defined Industrial	1.00	User Defined Unit	0.00	1.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	64
<b>Climate Zone</b>	3			<b>Operational Year</b>	2025
<b>Utility Company</b>	Sacramento Municipal Utility District				
<b>CO2 Intensity (lb/MWhr)</b>	357.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - Operational year 2025.

Land Use - 2,555 acers based on total development area.

Construction Phase - Construction phasing information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant. Off-Highway Trucks include 3 water trucks and 3 dump trucks.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment -

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Off-road Equipment - Construction equipment information was provided by the project applicant.

Trips and VMT - Construction trip information is based on data provided by the project applicant.

On-road Fugitive Dust -

Grading - 250,000 cubic yards of export

Vehicle Trips - no mobile

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating -

Energy Use - construction only.

Water And Wastewater - no water use

Solid Waste - no solid waste

Construction Off-road Equipment Mitigation - Included watering 3x daily, unpaved road stabilization and vehicle speed reduction as Enhanced Fugitive PM dust control control in practices as recommended by the SMAQMD

Fleet Mix - CalEEMod defaults.

Stationary Sources - Emergency Generators and Fire Pumps - NA

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblEnergyUse	LightingElect	3.22	0.00
tblEnergyUse	NT24E	5.13	0.00
tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	0.93	0.00
tblEnergyUse	T24NG	16.86	0.00
tblGrading	AcresOfGrading	0.00	550.00
tblGrading	MaterialExported	0.00	250,000.00
tblLandUse	LandUseSquareFeet	0.00	1.00
tblLandUse	LotAcreage	0.23	2,555.00
tblOffRoadEquipment	HorsePower	85.00	950.00



CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblOffRoadEquipment	HorsePower	158.00	172.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	300.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	200.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	168.00	350.00
tblOffRoadEquipment	HorsePower	168.00	160.00
tblOffRoadEquipment	HorsePower	168.00	790.00
tblOffRoadEquipment	HorsePower	168.00	755.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	9.40	0.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00
tblTripsAndVMT	HaulingTripNumber	31,250.00	938.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	HaulingTripNumber	0.00	20.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	HaulingTripNumber	0.00	26.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	HaulingTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripLength	6.60	0.00
tblTripsAndVMT	VendorTripLength	6.60	0.00
tblTripsAndVMT	VendorTripLength	6.60	0.00

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tbITripsAndVMT	VendorTripLength	6.60	0.00
tbITripsAndVMT	VendorTripLength	6.60	0.00
tbITripsAndVMT	VendorTripLength	6.60	0.00
tbITripsAndVMT	VendorTripLength	6.60	0.00
tbITripsAndVMT	VendorTripLength	6.60	0.00
tbITripsAndVMT	VendorTripNumber	0.00	16.00
tbITripsAndVMT	VendorTripNumber	0.00	16.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	VendorTripNumber	2.00	4.00
tbITripsAndVMT	VendorTripNumber	0.00	2.00
tbITripsAndVMT	VendorTripNumber	2.00	40.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	WorkerTripLength	10.80	0.00
tbITripsAndVMT	WorkerTripLength	10.80	0.00
tbITripsAndVMT	WorkerTripLength	10.80	0.00
tbITripsAndVMT	WorkerTripLength	10.80	0.00
tbITripsAndVMT	WorkerTripLength	10.80	0.00
tbITripsAndVMT	WorkerTripLength	10.80	0.00
tbITripsAndVMT	WorkerTripLength	10.80	0.00
tbITripsAndVMT	WorkerTripLength	10.80	0.00
tbITripsAndVMT	WorkerTripLength	10.80	0.00
tbITripsAndVMT	WorkerTripNumber	0.00	50.00
tbITripsAndVMT	WorkerTripNumber	0.00	74.00
tbITripsAndVMT	WorkerTripNumber	0.00	30.00
tbITripsAndVMT	WorkerTripNumber	4.00	100.00
tbITripsAndVMT	WorkerTripNumber	0.00	100.00
tbITripsAndVMT	WorkerTripNumber	4.00	476.00
tbITripsAndVMT	WorkerTripNumber	0.00	16.00
tbITripsAndVMT	WorkerTripNumber	0.00	26.00

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	2,312,500.00	0.00

**2.0 Emissions Summary**

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CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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					
2024	0.7727	1.8644	5.3041	5.4200e-003	2.8811	9.5400e-003	2.8907	0.3346	9.0100e-003	0.3436	0.0000	578.6460	578.6460	0.1122	0.1159	615.9762
2025	0.6988	1.7621	4.9856	5.1600e-003	2.8791	9.1800e-003	2.8882	0.3340	8.6700e-003	0.3427	0.0000	550.2829	550.2829	0.1020	0.1094	585.4465
<b>Maximum</b>	<b>0.7727</b>	<b>1.8644</b>	<b>5.3041</b>	<b>5.4200e-003</b>	<b>2.8811</b>	<b>9.5400e-003</b>	<b>2.8907</b>	<b>0.3346</b>	<b>9.0100e-003</b>	<b>0.3436</b>	<b>0.0000</b>	<b>578.6460</b>	<b>578.6460</b>	<b>0.1122</b>	<b>0.1159</b>	<b>615.9762</b>

**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					
2024	0.7727	1.8644	5.3041	5.4200e-003	1.1855	9.5400e-003	1.1950	0.1481	9.0100e-003	0.1571	0.0000	578.6460	578.6460	0.1122	0.1159	615.9762
2025	0.6988	1.7621	4.9856	5.1600e-003	1.1834	9.1800e-003	1.1926	0.1475	8.6700e-003	0.1562	0.0000	550.2829	550.2829	0.1020	0.1094	585.4465
<b>Maximum</b>	<b>0.7727</b>	<b>1.8644</b>	<b>5.3041</b>	<b>5.4200e-003</b>	<b>1.1855</b>	<b>9.5400e-003</b>	<b>1.1950</b>	<b>0.1481</b>	<b>9.0100e-003</b>	<b>0.1571</b>	<b>0.0000</b>	<b>578.6460</b>	<b>578.6460</b>	<b>0.1122</b>	<b>0.1159</b>	<b>615.9762</b>

## CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	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	58.87	0.00	58.68	55.78	0.00	54.35	0.00	0.00	0.00	0.00	0.00	0.00

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.2427	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
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
<b>Total</b>	<b>0.2427</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>2.4100e-003</b>	<b>2.4100e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>2.5600e-003</b>

**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	0.2427	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
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
<b>Total</b>	<b>0.2427</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>2.4100e-003</b>	<b>2.4100e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>2.5600e-003</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	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	3/1/2024	1/2/2025	5	220	
2	Perimeter Fence Installation	Site Preparation	3/1/2024	5/30/2024	5	65	
3	Tree Removal	Site Preparation	3/1/2024	6/4/2024	5	68	
4	Energy Storage System	Building Construction	8/1/2024	6/18/2025	5	230	
5	Underground Work (Utilities)	Trenching	9/1/2024	1/31/2025	5	110	
6	System Installation	Building Construction	9/25/2024	7/1/2025	5	200	
7	Gen-Tie Construction	Trenching	10/1/2024	10/30/2024	5	22	
8	Testing, Commissioning, Site Clean Up	Trenching	6/1/2025	8/27/2025	5	63	

**Acres of Grading (Site Preparation Phase): 550**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Off-Highway Trucks	0	8.00	402	0.38
Site Preparation	Rollers	0	8.00	80	0.38



CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Scrapers	0	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Perimeter Fence Installation	Off-Highway Trucks	0	8.00	150	0.38
Perimeter Fence Installation	Rough Terrain Forklifts	0	8.00	100	0.40
Perimeter Fence Installation	Rubber Tired Dozers	0	0.00	247	0.40
Perimeter Fence Installation	Skid Steer Loaders	0	8.00	65	0.37
Perimeter Fence Installation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Tree Removal	Crushing/Proc. Equipment	0	8.00	950	0.78
Tree Removal	Excavators	0	8.00	172	0.38
Tree Removal	Other Material Handling Equipment	0	8.00	350	0.40
Tree Removal	Other Material Handling Equipment	0	8.00	160	0.40
Tree Removal	Other Material Handling Equipment	0	8.00	790	0.40
Tree Removal	Other Material Handling Equipment	0	8.00	755	0.40
Tree Removal	Rubber Tired Dozers	0	8.00	247	0.40
Tree Removal	Skid Steer Loaders	0	8.00	65	0.37
Tree Removal	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Energy Storage System	Cranes	0	8.00	231	0.29
Energy Storage System	Forklifts	0	0.00	89	0.20
Energy Storage System	Generator Sets	0	0.00	84	0.74
Energy Storage System	Graders	0	8.00	187	0.41
Energy Storage System	Off-Highway Trucks	0	8.00	150	0.38
Energy Storage System	Rough Terrain Forklifts	0	8.00	100	0.40
Energy Storage System	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Energy Storage System	Welders	0	0.00	46	0.45
Underground Work (Utilities)	Cranes	0	0.00	231	0.29
Underground Work (Utilities)	Excavators	0	8.00	158	0.38
Underground Work (Utilities)	Off-Highway Trucks	0	8.00	300	0.38
Underground Work (Utilities)	Other Construction Equipment	0	8.00	172	0.42

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Underground Work (Utilities)	Rollers	0	8.00	80	0.38
Underground Work (Utilities)	Rough Terrain Forklifts	0	8.00	100	0.40
System Installation	Cranes	0	8.00	231	0.29
System Installation	Forklifts	0	0.00	89	0.20
System Installation	Generator Sets	0	8.00	84	0.74
System Installation	Off-Highway Trucks	0	8.00	150	0.38
System Installation	Other Construction Equipment	0	8.00	172	0.42
System Installation	Rough Terrain Forklifts	0	8.00	100	0.40
System Installation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
System Installation	Welders	0	0.00	46	0.45
Gen-Tie Construction	Off-Highway Trucks	0	8.00	200	0.38
Testing, Commissioning, Site Clean Up	Graders	0	8.00	187	0.41
Testing, Commissioning, Site Clean Up	Off-Highway Trucks	0	8.00	150	0.38
Testing, Commissioning, Site Clean Up	Skid Steer Loaders	0	8.00	65	0.37

**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	0	50.00	16.00	938.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT
Perimeter Fence Installation	0	74.00	16.00	2.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT
Tree Removal	0	30.00	4.00	0.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT
Energy Storage System	0	100.00	4.00	20.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT
Underground Work (Utilities)	0	100.00	2.00	2.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT
System Installation	0	476.00	40.00	26.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT
Gen-Tie Construction	0	16.00	4.00	2.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT
Testing, Commissioning, Site Clean Up	0	26.00	4.00	8.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

**3.2 Site Preparation - 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					
Fugitive Dust					2.7798	0.0000	2.7798	0.3057	0.0000	0.3057			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.7798</b>	<b>0.0000</b>	<b>2.7798</b>	<b>0.3057</b>	<b>0.0000</b>	<b>0.3057</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2024**

**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	9.2600e-003	0.6664	0.1494	2.9000e-003	0.0858	5.4200e-003	0.0912	0.0235	5.1900e-003	0.0287		316.0198	316.0198	0.0106	0.0501	331.2098
Vendor	8.4800e-003	0.1884	0.1410	2.3000e-004	4.2000e-004	1.2000e-004	5.4000e-004	1.7000e-004	1.1000e-004	2.8000e-004		24.5808	24.5808	7.0000e-004	3.9200e-003	25.7653
Worker	0.0490	0.0249	0.3074	9.0000e-005	4.9000e-004	2.2000e-004	7.1000e-004	2.0000e-004	2.0000e-004	3.9000e-004		9.2361	9.2361	6.6000e-003	3.0900e-003	10.3205
<b>Total</b>	<b>0.0668</b>	<b>0.8797</b>	<b>0.5977</b>	<b>3.2200e-003</b>	<b>0.0867</b>	<b>5.7600e-003</b>	<b>0.0924</b>	<b>0.0239</b>	<b>5.5000e-003</b>	<b>0.0294</b>		<b>349.8367</b>	<b>349.8367</b>	<b>0.0179</b>	<b>0.0571</b>	<b>367.2956</b>

**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					1.0841	0.0000	1.0841	0.1192	0.0000	0.1192			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0841</b>	<b>0.0000</b>	<b>1.0841</b>	<b>0.1192</b>	<b>0.0000</b>	<b>0.1192</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2024**

**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	9.2600e-003	0.6664	0.1494	2.9000e-003	0.0858	5.4200e-003	0.0912	0.0235	5.1900e-003	0.0287		316.0198	316.0198	0.0106	0.0501	331.2098
Vendor	8.4800e-003	0.1884	0.1410	2.3000e-004	4.2000e-004	1.2000e-004	5.4000e-004	1.7000e-004	1.1000e-004	2.8000e-004		24.5808	24.5808	7.0000e-004	3.9200e-003	25.7653
Worker	0.0490	0.0249	0.3074	9.0000e-005	4.9000e-004	2.2000e-004	7.1000e-004	2.0000e-004	2.0000e-004	3.9000e-004		9.2361	9.2361	6.6000e-003	3.0900e-003	10.3205
<b>Total</b>	<b>0.0668</b>	<b>0.8797</b>	<b>0.5977</b>	<b>3.2200e-003</b>	<b>0.0867</b>	<b>5.7600e-003</b>	<b>0.0924</b>	<b>0.0239</b>	<b>5.5000e-003</b>	<b>0.0294</b>		<b>349.8367</b>	<b>349.8367</b>	<b>0.0179</b>	<b>0.0571</b>	<b>367.2956</b>

**3.2 Site Preparation - 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					
Fugitive Dust					2.7798	0.0000	2.7798	0.3057	0.0000	0.3057			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.7798</b>	<b>0.0000</b>	<b>2.7798</b>	<b>0.3057</b>	<b>0.0000</b>	<b>0.3057</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2025**

**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	9.2000e-003	0.6622	0.1498	2.8400e-003	0.0858	5.4100e-003	0.0912	0.0235	5.1800e-003	0.0287		310.0202	310.0202	0.0105	0.0492	324.9290
Vendor	8.3700e-003	0.1875	0.1395	2.2000e-004	4.2000e-004	1.2000e-004	5.4000e-004	1.7000e-004	1.1000e-004	2.8000e-004		24.1282	24.1282	6.9000e-004	3.8400e-003	25.2913
Worker	0.0452	0.0232	0.2953	9.0000e-005	4.9000e-004	2.1000e-004	7.0000e-004	2.0000e-004	1.9000e-004	3.9000e-004		8.9303	8.9303	6.0700e-003	2.9400e-003	9.9583
<b>Total</b>	<b>0.0628</b>	<b>0.8729</b>	<b>0.5846</b>	<b>3.1500e-003</b>	<b>0.0867</b>	<b>5.7400e-003</b>	<b>0.0924</b>	<b>0.0239</b>	<b>5.4800e-003</b>	<b>0.0294</b>		<b>343.0787</b>	<b>343.0787</b>	<b>0.0173</b>	<b>0.0559</b>	<b>360.1785</b>

**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					1.0841	0.0000	1.0841	0.1192	0.0000	0.1192			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0841</b>	<b>0.0000</b>	<b>1.0841</b>	<b>0.1192</b>	<b>0.0000</b>	<b>0.1192</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2025**

**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	9.2000e-003	0.6622	0.1498	2.8400e-003	0.0858	5.4100e-003	0.0912	0.0235	5.1800e-003	0.0287		310.0202	310.0202	0.0105	0.0492	324.9290
Vendor	8.3700e-003	0.1875	0.1395	2.2000e-004	4.2000e-004	1.2000e-004	5.4000e-004	1.7000e-004	1.1000e-004	2.8000e-004		24.1282	24.1282	6.9000e-004	3.8400e-003	25.2913
Worker	0.0452	0.0232	0.2953	9.0000e-005	4.9000e-004	2.1000e-004	7.0000e-004	2.0000e-004	1.9000e-004	3.9000e-004		8.9303	8.9303	6.0700e-003	2.9400e-003	9.9583
<b>Total</b>	<b>0.0628</b>	<b>0.8729</b>	<b>0.5846</b>	<b>3.1500e-003</b>	<b>0.0867</b>	<b>5.7400e-003</b>	<b>0.0924</b>	<b>0.0239</b>	<b>5.4800e-003</b>	<b>0.0294</b>		<b>343.0787</b>	<b>343.0787</b>	<b>0.0173</b>	<b>0.0559</b>	<b>360.1785</b>

**3.3 Perimeter Fence Installation - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Perimeter Fence Installation - 2024**

**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	7.0000e-005	4.8100e-003	1.0800e-003	2.0000e-005	6.2000e-004	4.0000e-005	6.6000e-004	1.7000e-004	4.0000e-005	2.1000e-004		2.2806	2.2806	8.0000e-005	3.6000e-004	2.3902
Vendor	8.4800e-003	0.1884	0.1410	2.3000e-004	4.2000e-004	1.2000e-004	5.4000e-004	1.7000e-004	1.1000e-004	2.8000e-004		24.5808	24.5808	7.0000e-004	3.9200e-003	25.7653
Worker	0.0726	0.0369	0.4549	1.4000e-004	7.3000e-004	3.2000e-004	1.0500e-003	2.9000e-004	2.9000e-004	5.8000e-004		13.6694	13.6694	9.7600e-003	4.5700e-003	15.2744
<b>Total</b>	<b>0.0811</b>	<b>0.2301</b>	<b>0.5970</b>	<b>3.9000e-004</b>	<b>1.7700e-003</b>	<b>4.8000e-004</b>	<b>2.2500e-003</b>	<b>6.3000e-004</b>	<b>4.4000e-004</b>	<b>1.0700e-003</b>		<b>40.5309</b>	<b>40.5309</b>	<b>0.0105</b>	<b>8.8500e-003</b>	<b>43.4299</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>



CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Perimeter Fence Installation - 2024**

**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	7.0000e-005	4.8100e-003	1.0800e-003	2.0000e-005	6.2000e-004	4.0000e-005	6.6000e-004	1.7000e-004	4.0000e-005	2.1000e-004		2.2806	2.2806	8.0000e-005	3.6000e-004	2.3902
Vendor	8.4800e-003	0.1884	0.1410	2.3000e-004	4.2000e-004	1.2000e-004	5.4000e-004	1.7000e-004	1.1000e-004	2.8000e-004		24.5808	24.5808	7.0000e-004	3.9200e-003	25.7653
Worker	0.0726	0.0369	0.4549	1.4000e-004	7.3000e-004	3.2000e-004	1.0500e-003	2.9000e-004	2.9000e-004	5.8000e-004		13.6694	13.6694	9.7600e-003	4.5700e-003	15.2744
<b>Total</b>	<b>0.0811</b>	<b>0.2301</b>	<b>0.5970</b>	<b>3.9000e-004</b>	<b>1.7700e-003</b>	<b>4.8000e-004</b>	<b>2.2500e-003</b>	<b>6.3000e-004</b>	<b>4.4000e-004</b>	<b>1.0700e-003</b>		<b>40.5309</b>	<b>40.5309</b>	<b>0.0105</b>	<b>8.8500e-003</b>	<b>43.4299</b>

**3.4 Tree Removal - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Tree Removal - 2024**

**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	2.1200e-003	0.0471	0.0353	6.0000e-005	1.1000e-004	3.0000e-005	1.4000e-004	4.0000e-005	3.0000e-005	7.0000e-005		6.1452	6.1452	1.8000e-004	9.8000e-004	6.4413
Worker	0.0294	0.0150	0.1844	5.0000e-005	3.0000e-004	1.3000e-004	4.3000e-004	1.2000e-004	1.2000e-004	2.4000e-004		5.5417	5.5417	3.9600e-003	1.8500e-003	6.1923
<b>Total</b>	<b>0.0315</b>	<b>0.0621</b>	<b>0.2197</b>	<b>1.1000e-004</b>	<b>4.1000e-004</b>	<b>1.6000e-004</b>	<b>5.7000e-004</b>	<b>1.6000e-004</b>	<b>1.5000e-004</b>	<b>3.1000e-004</b>		<b>11.6869</b>	<b>11.6869</b>	<b>4.1400e-003</b>	<b>2.8300e-003</b>	<b>12.6336</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Tree Removal - 2024**

**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	2.1200e-003	0.0471	0.0353	6.0000e-005	1.1000e-004	3.0000e-005	1.4000e-004	4.0000e-005	3.0000e-005	7.0000e-005		6.1452	6.1452	1.8000e-004	9.8000e-004	6.4413
Worker	0.0294	0.0150	0.1844	5.0000e-005	3.0000e-004	1.3000e-004	4.3000e-004	1.2000e-004	1.2000e-004	2.4000e-004		5.5417	5.5417	3.9600e-003	1.8500e-003	6.1923
<b>Total</b>	<b>0.0315</b>	<b>0.0621</b>	<b>0.2197</b>	<b>1.1000e-004</b>	<b>4.1000e-004</b>	<b>1.6000e-004</b>	<b>5.7000e-004</b>	<b>1.6000e-004</b>	<b>1.5000e-004</b>	<b>3.1000e-004</b>		<b>11.6869</b>	<b>11.6869</b>	<b>4.1400e-003</b>	<b>2.8300e-003</b>	<b>12.6336</b>

**3.5 Energy Storage System - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2024**

**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	1.9000e-004	0.0136	3.0500e-003	6.0000e-005	1.7500e-003	1.1000e-004	1.8600e-003	4.8000e-004	1.1000e-004	5.9000e-004		6.4452	6.4452	2.2000e-004	1.0200e-003	6.7550
Vendor	2.1200e-003	0.0471	0.0353	6.0000e-005	1.1000e-004	3.0000e-005	1.4000e-004	4.0000e-005	3.0000e-005	7.0000e-005		6.1452	6.1452	1.8000e-004	9.8000e-004	6.4413
Worker	0.0981	0.0499	0.6148	1.8000e-004	9.9000e-004	4.3000e-004	1.4200e-003	3.9000e-004	4.0000e-004	7.9000e-004		18.4722	18.4722	0.0132	6.1700e-003	20.6410
<b>Total</b>	<b>0.1004</b>	<b>0.1106</b>	<b>0.6531</b>	<b>3.0000e-004</b>	<b>2.8500e-003</b>	<b>5.7000e-004</b>	<b>3.4200e-003</b>	<b>9.1000e-004</b>	<b>5.4000e-004</b>	<b>1.4500e-003</b>		<b>31.0626</b>	<b>31.0626</b>	<b>0.0136</b>	<b>8.1700e-003</b>	<b>33.8374</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2024**

**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	1.9000e-004	0.0136	3.0500e-003	6.0000e-005	1.7500e-003	1.1000e-004	1.8600e-003	4.8000e-004	1.1000e-004	5.9000e-004		6.4452	6.4452	2.2000e-004	1.0200e-003	6.7550
Vendor	2.1200e-003	0.0471	0.0353	6.0000e-005	1.1000e-004	3.0000e-005	1.4000e-004	4.0000e-005	3.0000e-005	7.0000e-005		6.1452	6.1452	1.8000e-004	9.8000e-004	6.4413
Worker	0.0981	0.0499	0.6148	1.8000e-004	9.9000e-004	4.3000e-004	1.4200e-003	3.9000e-004	4.0000e-004	7.9000e-004		18.4722	18.4722	0.0132	6.1700e-003	20.6410
<b>Total</b>	<b>0.1004</b>	<b>0.1106</b>	<b>0.6531</b>	<b>3.0000e-004</b>	<b>2.8500e-003</b>	<b>5.7000e-004</b>	<b>3.4200e-003</b>	<b>9.1000e-004</b>	<b>5.4000e-004</b>	<b>1.4500e-003</b>		<b>31.0626</b>	<b>31.0626</b>	<b>0.0136</b>	<b>8.1700e-003</b>	<b>33.8374</b>

**3.5 Energy Storage System - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2025**

**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	1.9000e-004	0.0135	3.0600e-003	6.0000e-005	1.7500e-003	1.1000e-004	1.8600e-003	4.8000e-004	1.1000e-004	5.8000e-004		6.3228	6.3228	2.2000e-004	1.0000e-003	6.6269
Vendor	2.0900e-003	0.0469	0.0349	6.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	3.0000e-005	7.0000e-005		6.0320	6.0320	1.7000e-004	9.6000e-004	6.3228
Worker	0.0904	0.0464	0.5905	1.8000e-004	9.9000e-004	4.2000e-004	1.4000e-003	3.9000e-004	3.8000e-004	7.7000e-004		17.8607	17.8607	0.0122	5.8800e-003	19.9165
<b>Total</b>	<b>0.0927</b>	<b>0.1068</b>	<b>0.6284</b>	<b>3.0000e-004</b>	<b>2.8500e-003</b>	<b>5.6000e-004</b>	<b>3.3900e-003</b>	<b>9.1000e-004</b>	<b>5.2000e-004</b>	<b>1.4200e-003</b>		<b>30.2156</b>	<b>30.2156</b>	<b>0.0125</b>	<b>7.8400e-003</b>	<b>32.8663</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2025**

**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	1.9000e-004	0.0135	3.0600e-003	6.0000e-005	1.7500e-003	1.1000e-004	1.8600e-003	4.8000e-004	1.1000e-004	5.8000e-004		6.3228	6.3228	2.2000e-004	1.0000e-003	6.6269
Vendor	2.0900e-003	0.0469	0.0349	6.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	3.0000e-005	7.0000e-005		6.0320	6.0320	1.7000e-004	9.6000e-004	6.3228
Worker	0.0904	0.0464	0.5905	1.8000e-004	9.9000e-004	4.2000e-004	1.4000e-003	3.9000e-004	3.8000e-004	7.7000e-004		17.8607	17.8607	0.0122	5.8800e-003	19.9165
<b>Total</b>	<b>0.0927</b>	<b>0.1068</b>	<b>0.6284</b>	<b>3.0000e-004</b>	<b>2.8500e-003</b>	<b>5.6000e-004</b>	<b>3.3900e-003</b>	<b>9.1000e-004</b>	<b>5.2000e-004</b>	<b>1.4200e-003</b>		<b>30.2156</b>	<b>30.2156</b>	<b>0.0125</b>	<b>7.8400e-003</b>	<b>32.8663</b>

**3.6 Underground Work (Utilities) - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2024**

**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	4.0000e-005	2.8400e-003	6.4000e-004	1.0000e-005	3.7000e-004	2.0000e-005	3.9000e-004	1.0000e-004	2.0000e-005	1.2000e-004		1.3476	1.3476	5.0000e-005	2.1000e-004	1.4124
Vendor	1.0600e-003	0.0236	0.0176	3.0000e-005	5.0000e-005	2.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	4.0000e-005		3.0726	3.0726	9.0000e-005	4.9000e-004	3.2207
Worker	0.0981	0.0499	0.6148	1.8000e-004	9.9000e-004	4.3000e-004	1.4200e-003	3.9000e-004	4.0000e-004	7.9000e-004		18.4722	18.4722	0.0132	6.1700e-003	20.6410
<b>Total</b>	<b>0.0992</b>	<b>0.0763</b>	<b>0.6331</b>	<b>2.2000e-004</b>	<b>1.4100e-003</b>	<b>4.7000e-004</b>	<b>1.8800e-003</b>	<b>5.1000e-004</b>	<b>4.3000e-004</b>	<b>9.5000e-004</b>		<b>22.8924</b>	<b>22.8924</b>	<b>0.0133</b>	<b>6.8700e-003</b>	<b>25.2741</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>



CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2024**

**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	4.0000e-005	2.8400e-003	6.4000e-004	1.0000e-005	3.7000e-004	2.0000e-005	3.9000e-004	1.0000e-004	2.0000e-005	1.2000e-004		1.3476	1.3476	5.0000e-005	2.1000e-004	1.4124
Vendor	1.0600e-003	0.0236	0.0176	3.0000e-005	5.0000e-005	2.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	4.0000e-005		3.0726	3.0726	9.0000e-005	4.9000e-004	3.2207
Worker	0.0981	0.0499	0.6148	1.8000e-004	9.9000e-004	4.3000e-004	1.4200e-003	3.9000e-004	4.0000e-004	7.9000e-004		18.4722	18.4722	0.0132	6.1700e-003	20.6410
<b>Total</b>	<b>0.0992</b>	<b>0.0763</b>	<b>0.6331</b>	<b>2.2000e-004</b>	<b>1.4100e-003</b>	<b>4.7000e-004</b>	<b>1.8800e-003</b>	<b>5.1000e-004</b>	<b>4.3000e-004</b>	<b>9.5000e-004</b>		<b>22.8924</b>	<b>22.8924</b>	<b>0.0133</b>	<b>6.8700e-003</b>	<b>25.2741</b>

**3.6 Underground Work (Utilities) - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2025**

**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	4.0000e-005	2.8200e-003	6.4000e-004	1.0000e-005	3.7000e-004	2.0000e-005	3.9000e-004	1.0000e-004	2.0000e-005	1.2000e-004		1.3221	1.3221	4.0000e-005	2.1000e-004	1.3856
Vendor	1.0500e-003	0.0234	0.0174	3.0000e-005	5.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005		3.0160	3.0160	9.0000e-005	4.8000e-004	3.1614
Worker	0.0904	0.0464	0.5905	1.8000e-004	9.9000e-004	4.2000e-004	1.4000e-003	3.9000e-004	3.8000e-004	7.7000e-004		17.8607	17.8607	0.0122	5.8800e-003	19.9165
<b>Total</b>	<b>0.0915</b>	<b>0.0727</b>	<b>0.6086</b>	<b>2.2000e-004</b>	<b>1.4100e-003</b>	<b>4.5000e-004</b>	<b>1.8600e-003</b>	<b>5.1000e-004</b>	<b>4.1000e-004</b>	<b>9.2000e-004</b>		<b>22.1988</b>	<b>22.1988</b>	<b>0.0123</b>	<b>6.5700e-003</b>	<b>24.4636</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2025**

**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	4.0000e-005	2.8200e-003	6.4000e-004	1.0000e-005	3.7000e-004	2.0000e-005	3.9000e-004	1.0000e-004	2.0000e-005	1.2000e-004		1.3221	1.3221	4.0000e-005	2.1000e-004	1.3856
Vendor	1.0500e-003	0.0234	0.0174	3.0000e-005	5.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005		3.0160	3.0160	9.0000e-005	4.8000e-004	3.1614
Worker	0.0904	0.0464	0.5905	1.8000e-004	9.9000e-004	4.2000e-004	1.4000e-003	3.9000e-004	3.8000e-004	7.7000e-004		17.8607	17.8607	0.0122	5.8800e-003	19.9165
<b>Total</b>	<b>0.0915</b>	<b>0.0727</b>	<b>0.6086</b>	<b>2.2000e-004</b>	<b>1.4100e-003</b>	<b>4.5000e-004</b>	<b>1.8600e-003</b>	<b>5.1000e-004</b>	<b>4.1000e-004</b>	<b>9.2000e-004</b>		<b>22.1988</b>	<b>22.1988</b>	<b>0.0123</b>	<b>6.5700e-003</b>	<b>24.4636</b>

**3.7 System Installation - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2024**

**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	2.8000e-004	0.0203	4.5500e-003	9.0000e-005	2.6100e-003	1.7000e-004	2.7800e-003	7.2000e-004	1.6000e-004	8.7000e-004		9.6356	9.6356	3.2000e-004	1.5300e-003	10.0987
Vendor	0.0212	0.4709	0.3525	5.7000e-004	1.0500e-003	3.0000e-004	1.3500e-003	4.1000e-004	2.9000e-004	7.0000e-004		61.4521	61.4521	1.7500e-003	9.7900e-003	64.4132
Worker	0.4669	0.2374	2.9264	8.7000e-004	4.7000e-003	2.0600e-003	6.7500e-003	1.8600e-003	1.8900e-003	3.7500e-003		87.9277	87.9277	0.0628	0.0294	98.2513
<b>Total</b>	<b>0.4883</b>	<b>0.7286</b>	<b>3.2834</b>	<b>1.5300e-003</b>	<b>8.3600e-003</b>	<b>2.5300e-003</b>	<b>0.0109</b>	<b>2.9900e-003</b>	<b>2.3400e-003</b>	<b>5.3200e-003</b>		<b>159.0153</b>	<b>159.0153</b>	<b>0.0649</b>	<b>0.0407</b>	<b>172.7632</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2024**

**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	2.8000e-004	0.0203	4.5500e-003	9.0000e-005	2.6100e-003	1.7000e-004	2.7800e-003	7.2000e-004	1.6000e-004	8.7000e-004		9.6356	9.6356	3.2000e-004	1.5300e-003	10.0987
Vendor	0.0212	0.4709	0.3525	5.7000e-004	1.0500e-003	3.0000e-004	1.3500e-003	4.1000e-004	2.9000e-004	7.0000e-004		61.4521	61.4521	1.7500e-003	9.7900e-003	64.4132
Worker	0.4669	0.2374	2.9264	8.7000e-004	4.7000e-003	2.0600e-003	6.7500e-003	1.8600e-003	1.8900e-003	3.7500e-003		87.9277	87.9277	0.0628	0.0294	98.2513
<b>Total</b>	<b>0.4883</b>	<b>0.7286</b>	<b>3.2834</b>	<b>1.5300e-003</b>	<b>8.3600e-003</b>	<b>2.5300e-003</b>	<b>0.0109</b>	<b>2.9900e-003</b>	<b>2.3400e-003</b>	<b>5.3200e-003</b>		<b>159.0153</b>	<b>159.0153</b>	<b>0.0649</b>	<b>0.0407</b>	<b>172.7632</b>

**3.7 System Installation - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2025**

**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	2.8000e-004	0.0202	4.5700e-003	9.0000e-005	2.6100e-003	1.6000e-004	2.7800e-003	7.2000e-004	1.6000e-004	8.7000e-004		9.4526	9.4526	3.2000e-004	1.5000e-003	9.9072
Vendor	0.0209	0.4687	0.3487	5.6000e-004	1.0500e-003	2.9000e-004	1.3500e-003	4.1000e-004	2.8000e-004	6.9000e-004		60.3204	60.3204	1.7300e-003	9.6100e-003	63.2282
Worker	0.4305	0.2208	2.8108	8.4000e-004	4.7000e-003	1.9800e-003	6.6700e-003	1.8600e-003	1.8200e-003	3.6800e-003		85.0169	85.0169	0.0578	0.0280	94.8028
<b>Total</b>	<b>0.4517</b>	<b>0.7097</b>	<b>3.1640</b>	<b>1.4900e-003</b>	<b>8.3600e-003</b>	<b>2.4300e-003</b>	<b>0.0108</b>	<b>2.9900e-003</b>	<b>2.2600e-003</b>	<b>5.2400e-003</b>		<b>154.7899</b>	<b>154.7899</b>	<b>0.0599</b>	<b>0.0391</b>	<b>167.9381</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2025**

**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	2.8000e-004	0.0202	4.5700e-003	9.0000e-005	2.6100e-003	1.6000e-004	2.7800e-003	7.2000e-004	1.6000e-004	8.7000e-004		9.4526	9.4526	3.2000e-004	1.5000e-003	9.9072
Vendor	0.0209	0.4687	0.3487	5.6000e-004	1.0500e-003	2.9000e-004	1.3500e-003	4.1000e-004	2.8000e-004	6.9000e-004		60.3204	60.3204	1.7300e-003	9.6100e-003	63.2282
Worker	0.4305	0.2208	2.8108	8.4000e-004	4.7000e-003	1.9800e-003	6.6700e-003	1.8600e-003	1.8200e-003	3.6800e-003		85.0169	85.0169	0.0578	0.0280	94.8028
<b>Total</b>	<b>0.4517</b>	<b>0.7097</b>	<b>3.1640</b>	<b>1.4900e-003</b>	<b>8.3600e-003</b>	<b>2.4300e-003</b>	<b>0.0108</b>	<b>2.9900e-003</b>	<b>2.2600e-003</b>	<b>5.2400e-003</b>		<b>154.7899</b>	<b>154.7899</b>	<b>0.0599</b>	<b>0.0391</b>	<b>167.9381</b>

**3.8 Gen-Tie 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.8 Gen-Tie Construction - 2024**

**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	2.0000e-004	0.0142	3.1800e-003	6.0000e-005	1.8300e-003	1.2000e-004	1.9400e-003	5.0000e-004	1.1000e-004	6.1000e-004		6.7382	6.7382	2.3000e-004	1.0700e-003	7.0620
Vendor	2.1200e-003	0.0471	0.0353	6.0000e-005	1.1000e-004	3.0000e-005	1.4000e-004	4.0000e-005	3.0000e-005	7.0000e-005		6.1452	6.1452	1.8000e-004	9.8000e-004	6.4413
Worker	0.0157	7.9800e-003	0.0984	3.0000e-005	1.6000e-004	7.0000e-005	2.3000e-004	6.0000e-005	6.0000e-005	1.3000e-004		2.9556	2.9556	2.1100e-003	9.9000e-004	3.3026
<b>Total</b>	<b>0.0180</b>	<b>0.0693</b>	<b>0.1368</b>	<b>1.5000e-004</b>	<b>2.1000e-003</b>	<b>2.2000e-004</b>	<b>2.3100e-003</b>	<b>6.0000e-004</b>	<b>2.0000e-004</b>	<b>8.1000e-004</b>		<b>15.8389</b>	<b>15.8389</b>	<b>2.5200e-003</b>	<b>3.0400e-003</b>	<b>16.8059</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>



CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.8 Gen-Tie Construction - 2024**

**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	2.0000e-004	0.0142	3.1800e-003	6.0000e-005	1.8300e-003	1.2000e-004	1.9400e-003	5.0000e-004	1.1000e-004	6.1000e-004		6.7382	6.7382	2.3000e-004	1.0700e-003	7.0620
Vendor	2.1200e-003	0.0471	0.0353	6.0000e-005	1.1000e-004	3.0000e-005	1.4000e-004	4.0000e-005	3.0000e-005	7.0000e-005		6.1452	6.1452	1.8000e-004	9.8000e-004	6.4413
Worker	0.0157	7.9800e-003	0.0984	3.0000e-005	1.6000e-004	7.0000e-005	2.3000e-004	6.0000e-005	6.0000e-005	1.3000e-004		2.9556	2.9556	2.1100e-003	9.9000e-004	3.3026
<b>Total</b>	<b>0.0180</b>	<b>0.0693</b>	<b>0.1368</b>	<b>1.5000e-004</b>	<b>2.1000e-003</b>	<b>2.2000e-004</b>	<b>2.3100e-003</b>	<b>6.0000e-004</b>	<b>2.0000e-004</b>	<b>8.1000e-004</b>		<b>15.8389</b>	<b>15.8389</b>	<b>2.5200e-003</b>	<b>3.0400e-003</b>	<b>16.8059</b>

**3.9 Testing, Commissioning, Site Clean Up - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.9 Testing, Commissioning, Site Clean Up - 2025**

**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	2.7000e-004	0.0197	4.4600e-003	8.0000e-005	2.5500e-003	1.6000e-004	2.7200e-003	7.0000e-004	1.5000e-004	8.5000e-004		9.2334	9.2334	3.1000e-004	1.4600e-003	9.6774
Vendor	2.0900e-003	0.0469	0.0349	6.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	3.0000e-005	7.0000e-005		6.0320	6.0320	1.7000e-004	9.6000e-004	6.3228
Worker	0.0235	0.0121	0.1535	5.0000e-005	2.6000e-004	1.1000e-004	3.6000e-004	1.0000e-004	1.0000e-004	2.0000e-004		4.6438	4.6438	3.1600e-003	1.5300e-003	5.1783
<b>Total</b>	<b>0.0259</b>	<b>0.0787</b>	<b>0.1929</b>	<b>1.9000e-004</b>	<b>2.9200e-003</b>	<b>3.0000e-004</b>	<b>3.2100e-003</b>	<b>8.4000e-004</b>	<b>2.8000e-004</b>	<b>1.1200e-003</b>		<b>19.9092</b>	<b>19.9092</b>	<b>3.6400e-003</b>	<b>3.9500e-003</b>	<b>21.1785</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.9 Testing, Commissioning, Site Clean Up - 2025**

**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	2.7000e-004	0.0197	4.4600e-003	8.0000e-005	2.5500e-003	1.6000e-004	2.7200e-003	7.0000e-004	1.5000e-004	8.5000e-004		9.2334	9.2334	3.1000e-004	1.4600e-003	9.6774
Vendor	2.0900e-003	0.0469	0.0349	6.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	3.0000e-005	7.0000e-005		6.0320	6.0320	1.7000e-004	9.6000e-004	6.3228
Worker	0.0235	0.0121	0.1535	5.0000e-005	2.6000e-004	1.1000e-004	3.6000e-004	1.0000e-004	1.0000e-004	2.0000e-004		4.6438	4.6438	3.1600e-003	1.5300e-003	5.1783
<b>Total</b>	<b>0.0259</b>	<b>0.0787</b>	<b>0.1929</b>	<b>1.9000e-004</b>	<b>2.9200e-003</b>	<b>3.0000e-004</b>	<b>3.2100e-003</b>	<b>8.4000e-004</b>	<b>2.8000e-004</b>	<b>1.1200e-003</b>		<b>19.9092</b>	<b>19.9092</b>	<b>3.6400e-003</b>	<b>3.9500e-003</b>	<b>21.1785</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
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

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
User Defined Industrial	0.00	0.00	0.00		
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		

**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
Unrefrigerated Warehouse-No Rail	14.70	6.60	6.60	59.00	0.00	41.00	92	5	3
User Defined Industrial	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820
User Defined Industrial	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**5.0 Energy Detail**

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

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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					
Unrefrigerated Warehouse-No Rail	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
User Defined Industrial	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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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					
Unrefrigerated Warehouse-No Rail	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
User Defined Industrial	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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.2427	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
Unmitigated	0.2427	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003

**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	0.0286					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2140					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-004	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
<b>Total</b>	<b>0.2427</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.4100e-003</b>	<b>2.4100e-003</b>	<b>1.0000e-005</b>		<b>2.5600e-003</b>

CCAR Solar - BACT BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**6.2 Area by SubCategory**

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	0.0286					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2140					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-004	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
<b>Total</b>	<b>0.2427</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.4100e-003</b>	<b>2.4100e-003</b>	<b>1.0000e-005</b>		<b>2.5600e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**CCAR Solar - BACT YSAQMD  
Yolo/Solano AQMD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	10.00	1000sqft	2,555.00	10,000.00	0
User Defined Industrial	1.00	User Defined Unit	0.00	1.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	55
<b>Climate Zone</b>	3			<b>Operational Year</b>	2025
<b>Utility Company</b>	Sacramento Municipal Utility District				
<b>CO2 Intensity (lb/MWhr)</b>	357.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - Operational year 2025.

Land Use - 2,555 acers based on total development area.

Construction Phase - Construction phasing information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant. Off-Highway Trucks include 3 water trucks and 3 dump trucks.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Trips and VMT - Construction trip information is based on data provided by the project applicant.

On-road Fugitive Dust -

Grading - 250,000 cubic yards of export

Vehicle Trips - no mobile

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating -

Energy Use - construction only.

Water And Wastewater - no water use

Solid Waste - no solid waste

Construction Off-road Equipment Mitigation - Included watering 3x daily, unpaved road stabilization and vehicle speed reduction as Enhanced Fugitive PM dust control control in practices as recommended by the SMAQMD

Fleet Mix - CalEEMod defaults.

Stationary Sources - Emergency Generators and Fire Pumps - NA

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblEnergyUse	LightingElect	3.22	0.00
tblEnergyUse	NT24E	5.13	0.00
tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	0.93	0.00
tblEnergyUse	T24NG	16.86	0.00
tblGrading	AcresOfGrading	0.00	550.00
tblGrading	MaterialExported	0.00	250,000.00
tblLandscapeEquipment	NumberSummerDays	180	250
tblLandUse	LandUseSquareFeet	0.00	1.00
tblLandUse	LotAcreage	0.23	2,555.00
tblOffRoadEquipment	HorsePower	85.00	950.00

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblOffRoadEquipment	HorsePower	158.00	172.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	300.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	200.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	168.00	350.00
tblOffRoadEquipment	HorsePower	168.00	160.00
tblOffRoadEquipment	HorsePower	168.00	790.00
tblOffRoadEquipment	HorsePower	168.00	755.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblRoadDust	CARB_PM_VMT	False	True
tblSolidWaste	SolidWasteGenerationRate	9.40	0.00
tblTripsAndVMT	HaulingTripLength	20.00	34.80
tblTripsAndVMT	HaulingTripLength	20.00	34.80
tblTripsAndVMT	HaulingTripLength	20.00	34.80
tblTripsAndVMT	HaulingTripLength	20.00	34.80
tblTripsAndVMT	HaulingTripLength	20.00	34.80
tblTripsAndVMT	HaulingTripLength	20.00	34.80
tblTripsAndVMT	HaulingTripLength	20.00	34.80
tblTripsAndVMT	HaulingTripLength	20.00	34.80
tblTripsAndVMT	HaulingTripNumber	31,250.00	938.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	HaulingTripNumber	0.00	20.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	HaulingTripNumber	0.00	26.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	HaulingTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripLength	9.00	0.00
tblTripsAndVMT	VendorTripLength	9.00	0.00

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tbITripsAndVMT	VendorTripLength	9.00	0.00
tbITripsAndVMT	VendorTripLength	9.00	0.00
tbITripsAndVMT	VendorTripLength	9.00	0.00
tbITripsAndVMT	VendorTripLength	9.00	0.00
tbITripsAndVMT	VendorTripLength	9.00	0.00
tbITripsAndVMT	VendorTripLength	9.00	0.00
tbITripsAndVMT	VendorTripLength	9.00	0.00
tbITripsAndVMT	VendorTripNumber	0.00	16.00
tbITripsAndVMT	VendorTripNumber	0.00	16.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	VendorTripNumber	2.00	4.00
tbITripsAndVMT	VendorTripNumber	0.00	2.00
tbITripsAndVMT	VendorTripNumber	2.00	40.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripNumber	0.00	50.00
tbITripsAndVMT	WorkerTripNumber	0.00	74.00
tbITripsAndVMT	WorkerTripNumber	0.00	30.00
tbITripsAndVMT	WorkerTripNumber	4.00	100.00
tbITripsAndVMT	WorkerTripNumber	0.00	100.00
tbITripsAndVMT	WorkerTripNumber	4.00	476.00
tbITripsAndVMT	WorkerTripNumber	0.00	16.00

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblTripsAndVMT	WorkerTripNumber	0.00	26.00
tblVehicleTrips	CC_TL	8.00	5.00
tblVehicleTrips	CC_TL	8.00	5.00
tblVehicleTrips	CNW_TL	9.00	6.50
tblVehicleTrips	CNW_TL	9.00	6.50
tblVehicleTrips	CW_TL	15.00	10.00
tblVehicleTrips	CW_TL	15.00	10.00
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaDigestCogenCombDigestGasPercent	0.00	85.00
tblWater	AnaDigestCogenCombDigestGasPercent	0.00	85.00
tblWater	AnaDigestCombDigestGasPercent	100.00	15.00
tblWater	AnaDigestCombDigestGasPercent	100.00	15.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	2,312,500.00	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

**2.0 Emissions Summary**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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					
2024	0.0447	0.1685	0.2442	6.1000e-004	0.3203	1.1500e-003	0.3215	0.0377	1.0900e-003	0.0388	0.0000	58.6110	58.6110	4.1700e-003	0.0102	61.7500
2025	0.0431	0.0608	0.2267	1.4000e-004	0.3069	2.3000e-004	0.3071	0.0340	2.1000e-004	0.0342	0.0000	13.2776	13.2776	4.1000e-003	3.0900e-003	14.3005
<b>Maximum</b>	<b>0.0447</b>	<b>0.1685</b>	<b>0.2442</b>	<b>6.1000e-004</b>	<b>0.3203</b>	<b>1.1500e-003</b>	<b>0.3215</b>	<b>0.0377</b>	<b>1.0900e-003</b>	<b>0.0388</b>	<b>0.0000</b>	<b>58.6110</b>	<b>58.6110</b>	<b>4.1700e-003</b>	<b>0.0102</b>	<b>61.7500</b>

**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					
2024	0.0447	0.1685	0.2442	6.1000e-004	0.1338	1.1500e-003	0.1350	0.0172	1.0900e-003	0.0183	0.0000	58.6110	58.6110	4.1700e-003	0.0102	61.7500
2025	0.0431	0.0608	0.2267	1.4000e-004	0.1204	2.3000e-004	0.1206	0.0135	2.1000e-004	0.0137	0.0000	13.2776	13.2776	4.1000e-003	3.0900e-003	14.3005
<b>Maximum</b>	<b>0.0447</b>	<b>0.1685</b>	<b>0.2442</b>	<b>6.1000e-004</b>	<b>0.1338</b>	<b>1.1500e-003</b>	<b>0.1350</b>	<b>0.0172</b>	<b>1.0900e-003</b>	<b>0.0183</b>	<b>0.0000</b>	<b>58.6110</b>	<b>58.6110</b>	<b>4.1700e-003</b>	<b>0.0102</b>	<b>61.7500</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	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	59.48	0.00	59.35	57.24	0.00	56.23	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2024	3-31-2024	0.0184	0.0184
2	4-1-2024	6-30-2024	0.0477	0.0477
3	7-1-2024	9-30-2024	0.0491	0.0491
4	10-1-2024	12-31-2024	0.0992	0.0992
5	1-1-2025	3-31-2025	0.0514	0.0514
6	4-1-2025	6-30-2025	0.0545	0.0545
7	7-1-2025	9-30-2025	0.0031	0.0031
		Highest	0.0992	0.0992

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.0420	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.7000e-004	2.7000e-004	0.0000	0.0000	2.9000e-004
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
<b>Total</b>	<b>0.0420</b>	<b>0.0000</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.7000e-004</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.9000e-004</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**2.2 Overall Operational**

**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	0.0420	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.7000e-004	2.7000e-004	0.0000	0.0000	2.9000e-004
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
<b>Total</b>	<b>0.0420</b>	<b>0.0000</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.7000e-004</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.9000e-004</b>

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

**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	3/1/2024	1/2/2025	5	220	
2	Perimeter Fence Installation	Site Preparation	3/1/2024	5/30/2024	5	65	
3	Tree Removal	Site Preparation	3/1/2024	6/4/2024	5	68	

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

4	Energy Storage System	Building Construction	8/1/2024	6/18/2025	5	230
5	Underground Work (Utilities)	Trenching	9/1/2024	1/31/2025	5	110
6	System Installation	Building Construction	9/25/2024	7/1/2025	5	200
7	Gen-Tie Construction	Trenching	10/1/2024	10/30/2024	5	22
8	Testing, Comissioning, Site Clean Up	Trenching	6/1/2025	8/27/2025	5	63

**Acres of Grading (Site Preparation Phase): 550**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Off-Highway Trucks	0	8.00	402	0.38
Site Preparation	Rollers	0	8.00	80	0.38
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Scrapers	0	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Perimeter Fence Installation	Off-Highway Trucks	0	8.00	150	0.38
Perimeter Fence Installation	Rough Terrain Forklifts	0	8.00	100	0.40
Perimeter Fence Installation	Rubber Tired Dozers	0	0.00	247	0.40
Perimeter Fence Installation	Skid Steer Loaders	0	8.00	65	0.37
Perimeter Fence Installation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Tree Removal	Crushing/Proc. Equipment	0	8.00	950	0.78
Tree Removal	Excavators	0	8.00	172	0.38
Tree Removal	Other Material Handling Equipment	0	8.00	350	0.40
Tree Removal	Other Material Handling Equipment	0	8.00	160	0.40

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Tree Removal	Other Material Handling Equipment	0	8.00	790	0.40
Tree Removal	Other Material Handling Equipment	0	8.00	755	0.40
Tree Removal	Rubber Tired Dozers	0	8.00	247	0.40
Tree Removal	Skid Steer Loaders	0	8.00	65	0.37
Tree Removal	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Energy Storage System	Cranes	0	8.00	231	0.29
Energy Storage System	Forklifts	0	0.00	89	0.20
Energy Storage System	Generator Sets	0	0.00	84	0.74
Energy Storage System	Graders	0	8.00	187	0.41
Energy Storage System	Off-Highway Trucks	0	8.00	150	0.38
Energy Storage System	Rough Terrain Forklifts	0	8.00	100	0.40
Energy Storage System	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Energy Storage System	Welders	0	0.00	46	0.45
Underground Work (Utilities)	Cranes	0	0.00	231	0.29
Underground Work (Utilities)	Excavators	0	8.00	158	0.38
Underground Work (Utilities)	Off-Highway Trucks	0	8.00	300	0.38
Underground Work (Utilities)	Other Construction Equipment	0	8.00	172	0.42
Underground Work (Utilities)	Rollers	0	8.00	80	0.38
Underground Work (Utilities)	Rough Terrain Forklifts	0	8.00	100	0.40
System Installation	Cranes	0	8.00	231	0.29
System Installation	Forklifts	0	0.00	89	0.20
System Installation	Generator Sets	0	8.00	84	0.74
System Installation	Off-Highway Trucks	0	8.00	150	0.38
System Installation	Other Construction Equipment	0	8.00	172	0.42
System Installation	Rough Terrain Forklifts	0	8.00	100	0.40
System Installation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
System Installation	Welders	0	0.00	46	0.45
Gen-Tie Construction	Off-Highway Trucks	0	8.00	200	0.38
Testing, Comissioning, Site Clean Up	Graders	0	8.00	187	0.41

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Testing, Commissioning, Site Clean Up	Off-Highway Trucks	0	8.00	150	0.38
Testing, Commissioning, Site Clean Up	Skid Steer Loaders	0	8.00	65	0.37

**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	0	50.00	16.00	938.00	0.00	0.00	34.80	LD_Mix	HDT_Mix	HHDT
Perimeter Fence Installation	0	74.00	16.00	2.00	0.00	0.00	34.80	LD_Mix	HDT_Mix	HHDT
Tree Removal	0	30.00	4.00	0.00	0.00	0.00	34.80	LD_Mix	HDT_Mix	HHDT
Energy Storage System	0	100.00	4.00	20.00	0.00	0.00	34.80	LD_Mix	HDT_Mix	HHDT
Underground Work (Utilities)	0	100.00	2.00	2.00	0.00	0.00	34.80	LD_Mix	HDT_Mix	HHDT
System Installation	0	476.00	40.00	26.00	0.00	0.00	34.80	LD_Mix	HDT_Mix	HHDT
Gen-Tie Construction	0	16.00	4.00	2.00	0.00	0.00	34.80	LD_Mix	HDT_Mix	HHDT
Testing, Commissioning, Site Clean Up	0	26.00	4.00	8.00	0.00	0.00	34.80	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 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					
Fugitive Dust					0.3058	0.0000	0.3058	0.0336	0.0000	0.0336	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.3058</b>	<b>0.0000</b>	<b>0.3058</b>	<b>0.0336</b>	<b>0.0000</b>	<b>0.0336</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.4000e-003	0.0949	0.0164	4.7000e-004	0.0137	9.4000e-004	0.0147	3.7800e-003	9.0000e-004	4.6700e-003	0.0000	44.6691	44.6691	7.0000e-005	7.0200e-003	46.7630
Vendor	1.1600e-003	0.0228	0.0173	3.0000e-005	5.0000e-005	1.0000e-005	6.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	2.8345	2.8345	6.0000e-005	4.5000e-004	2.9692
Worker	6.2100e-003	2.5800e-003	0.0286	1.0000e-005	5.0000e-005	2.0000e-005	8.0000e-005	2.0000e-005	2.0000e-005	4.0000e-005	0.0000	0.9266	0.9266	6.1000e-004	2.9000e-004	1.0295
<b>Total</b>	<b>8.7700e-003</b>	<b>0.1203</b>	<b>0.0623</b>	<b>5.1000e-004</b>	<b>0.0138</b>	<b>9.7000e-004</b>	<b>0.0148</b>	<b>3.8200e-003</b>	<b>9.3000e-004</b>	<b>4.7400e-003</b>	<b>0.0000</b>	<b>48.4302</b>	<b>48.4302</b>	<b>7.4000e-004</b>	<b>7.7600e-003</b>	<b>50.7616</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2024**

**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					0.1193	0.0000	0.1193	0.0131	0.0000	0.0131	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.1193</b>	<b>0.0000</b>	<b>0.1193</b>	<b>0.0131</b>	<b>0.0000</b>	<b>0.0131</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.4000e-003	0.0949	0.0164	4.7000e-004	0.0137	9.4000e-004	0.0147	3.7800e-003	9.0000e-004	4.6700e-003	0.0000	44.6691	44.6691	7.0000e-005	7.0200e-003	46.7630
Vendor	1.1600e-003	0.0228	0.0173	3.0000e-005	5.0000e-005	1.0000e-005	6.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	2.8345	2.8345	6.0000e-005	4.5000e-004	2.9692
Worker	6.2100e-003	2.5800e-003	0.0286	1.0000e-005	5.0000e-005	2.0000e-005	8.0000e-005	2.0000e-005	2.0000e-005	4.0000e-005	0.0000	0.9266	0.9266	6.1000e-004	2.9000e-004	1.0295
<b>Total</b>	<b>8.7700e-003</b>	<b>0.1203</b>	<b>0.0623</b>	<b>5.1000e-004</b>	<b>0.0138</b>	<b>9.7000e-004</b>	<b>0.0148</b>	<b>3.8200e-003</b>	<b>9.3000e-004</b>	<b>4.7400e-003</b>	<b>0.0000</b>	<b>48.4302</b>	<b>48.4302</b>	<b>7.4000e-004</b>	<b>7.7600e-003</b>	<b>50.7616</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 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					
Fugitive Dust					0.3058	0.0000	0.3058	0.0336	0.0000	0.0336	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.3058</b>	<b>0.0000</b>	<b>0.3058</b>	<b>0.0336</b>	<b>0.0000</b>	<b>0.0336</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.0000e-005	8.6000e-004	1.5000e-004	0.0000	1.3000e-004	1.0000e-005	1.3000e-004	3.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.4012	0.4012	0.0000	6.0000e-005	0.4200
Vendor	1.0000e-005	2.1000e-004	1.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0254	0.0254	0.0000	0.0000	0.0267
Worker	5.0000e-005	2.0000e-005	2.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	8.2200e-003	8.2200e-003	1.0000e-005	0.0000	9.1100e-003
<b>Total</b>	<b>7.0000e-005</b>	<b>1.0900e-003</b>	<b>5.6000e-004</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>1.0000e-005</b>	<b>1.3000e-004</b>	<b>3.0000e-005</b>	<b>1.0000e-005</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.4348</b>	<b>0.4348</b>	<b>1.0000e-005</b>	<b>6.0000e-005</b>	<b>0.4557</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2025**

**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					0.1193	0.0000	0.1193	0.0131	0.0000	0.0131	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.1193</b>	<b>0.0000</b>	<b>0.1193</b>	<b>0.0131</b>	<b>0.0000</b>	<b>0.0131</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.0000e-005	8.6000e-004	1.5000e-004	0.0000	1.3000e-004	1.0000e-005	1.3000e-004	3.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.4012	0.4012	0.0000	6.0000e-005	0.4200
Vendor	1.0000e-005	2.1000e-004	1.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0254	0.0254	0.0000	0.0000	0.0267
Worker	5.0000e-005	2.0000e-005	2.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	8.2200e-003	8.2200e-003	1.0000e-005	0.0000	9.1100e-003
<b>Total</b>	<b>7.0000e-005</b>	<b>1.0900e-003</b>	<b>5.6000e-004</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>1.0000e-005</b>	<b>1.3000e-004</b>	<b>3.0000e-005</b>	<b>1.0000e-005</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.4348</b>	<b>0.4348</b>	<b>1.0000e-005</b>	<b>6.0000e-005</b>	<b>0.4557</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Perimeter Fence Installation - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	2.0000e-004	4.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0961	0.0961	0.0000	2.0000e-005	0.1006
Vendor	3.5000e-004	6.8000e-003	5.1600e-003	1.0000e-005	1.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.8452	0.8452	2.0000e-005	1.3000e-004	0.8853
Worker	2.7400e-003	1.1400e-003	0.0126	0.0000	2.0000e-005	1.0000e-005	3.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.4089	0.4089	2.7000e-004	1.3000e-004	0.4543
<b>Total</b>	<b>3.0900e-003</b>	<b>8.1400e-003</b>	<b>0.0178</b>	<b>1.0000e-005</b>	<b>6.0000e-005</b>	<b>1.0000e-005</b>	<b>8.0000e-005</b>	<b>3.0000e-005</b>	<b>1.0000e-005</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.3502</b>	<b>1.3502</b>	<b>2.9000e-004</b>	<b>2.8000e-004</b>	<b>1.4402</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Perimeter Fence Installation - 2024**

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	2.0000e-004	4.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0961	0.0961	0.0000	2.0000e-005	0.1006
Vendor	3.5000e-004	6.8000e-003	5.1600e-003	1.0000e-005	1.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.8452	0.8452	2.0000e-005	1.3000e-004	0.8853
Worker	2.7400e-003	1.1400e-003	0.0126	0.0000	2.0000e-005	1.0000e-005	3.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.4089	0.4089	2.7000e-004	1.3000e-004	0.4543
<b>Total</b>	<b>3.0900e-003</b>	<b>8.1400e-003</b>	<b>0.0178</b>	<b>1.0000e-005</b>	<b>6.0000e-005</b>	<b>1.0000e-005</b>	<b>8.0000e-005</b>	<b>3.0000e-005</b>	<b>1.0000e-005</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.3502</b>	<b>1.3502</b>	<b>2.9000e-004</b>	<b>2.8000e-004</b>	<b>1.4402</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Tree Removal - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	9.0000e-005	1.7800e-003	1.3500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2210	0.2210	0.0000	3.0000e-005	0.2315
Worker	1.1600e-003	4.8000e-004	5.3500e-003	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.1734	0.1734	1.1000e-004	6.0000e-005	0.1927
<b>Total</b>	<b>1.2500e-003</b>	<b>2.2600e-003</b>	<b>6.7000e-003</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.3945</b>	<b>0.3945</b>	<b>1.1000e-004</b>	<b>9.0000e-005</b>	<b>0.4242</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Tree Removal - 2024**

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	9.0000e-005	1.7800e-003	1.3500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2210	0.2210	0.0000	3.0000e-005	0.2315
Worker	1.1600e-003	4.8000e-004	5.3500e-003	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.1734	0.1734	1.1000e-004	6.0000e-005	0.1927
<b>Total</b>	<b>1.2500e-003</b>	<b>2.2600e-003</b>	<b>6.7000e-003</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.3945</b>	<b>0.3945</b>	<b>1.1000e-004</b>	<b>9.0000e-005</b>	<b>0.4242</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.0000e-005	9.7000e-004	1.7000e-004	0.0000	1.4000e-004	1.0000e-005	1.5000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.4555	0.4555	0.0000	7.0000e-005	0.4769
Vendor	1.5000e-004	2.8500e-003	2.1600e-003	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.3543	0.3543	1.0000e-005	6.0000e-005	0.3712
Worker	6.2100e-003	2.5800e-003	0.0286	1.0000e-005	5.0000e-005	2.0000e-005	8.0000e-005	2.0000e-005	2.0000e-005	4.0000e-005	0.0000	0.9266	0.9266	6.1000e-004	2.9000e-004	1.0295
<b>Total</b>	<b>6.3700e-003</b>	<b>6.4000e-003</b>	<b>0.0309</b>	<b>1.0000e-005</b>	<b>2.0000e-004</b>	<b>3.0000e-005</b>	<b>2.4000e-004</b>	<b>6.0000e-005</b>	<b>3.0000e-005</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>1.7364</b>	<b>1.7364</b>	<b>6.2000e-004</b>	<b>4.2000e-004</b>	<b>1.8775</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2024**

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.0000e-005	9.7000e-004	1.7000e-004	0.0000	1.4000e-004	1.0000e-005	1.5000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.4555	0.4555	0.0000	7.0000e-005	0.4769
Vendor	1.5000e-004	2.8500e-003	2.1600e-003	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.3543	0.3543	1.0000e-005	6.0000e-005	0.3712
Worker	6.2100e-003	2.5800e-003	0.0286	1.0000e-005	5.0000e-005	2.0000e-005	8.0000e-005	2.0000e-005	2.0000e-005	4.0000e-005	0.0000	0.9266	0.9266	6.1000e-004	2.9000e-004	1.0295
<b>Total</b>	<b>6.3700e-003</b>	<b>6.4000e-003</b>	<b>0.0309</b>	<b>1.0000e-005</b>	<b>2.0000e-004</b>	<b>3.0000e-005</b>	<b>2.4000e-004</b>	<b>6.0000e-005</b>	<b>3.0000e-005</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>1.7364</b>	<b>1.7364</b>	<b>6.2000e-004</b>	<b>4.2000e-004</b>	<b>1.8775</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	2.0000e-005	1.0600e-003	1.8000e-004	1.0000e-005	1.6000e-004	1.0000e-005	1.7000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.4950	0.4950	0.0000	8.0000e-005	0.5182
Vendor	1.6000e-004	3.1500e-003	2.3700e-003	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.3848	0.3848	1.0000e-005	6.0000e-005	0.4030
Worker	6.3700e-003	2.6600e-003	0.0305	1.0000e-005	6.0000e-005	3.0000e-005	9.0000e-005	2.0000e-005	2.0000e-005	5.0000e-005	0.0000	0.9941	0.9941	6.2000e-004	3.1000e-004	1.1023
<b>Total</b>	<b>6.5500e-003</b>	<b>6.8700e-003</b>	<b>0.0330</b>	<b>2.0000e-005</b>	<b>2.3000e-004</b>	<b>4.0000e-005</b>	<b>2.7000e-004</b>	<b>6.0000e-005</b>	<b>3.0000e-005</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>1.8738</b>	<b>1.8738</b>	<b>6.3000e-004</b>	<b>4.5000e-004</b>	<b>2.0236</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2025**

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	2.0000e-005	1.0600e-003	1.8000e-004	1.0000e-005	1.6000e-004	1.0000e-005	1.7000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.4950	0.4950	0.0000	8.0000e-005	0.5182
Vendor	1.6000e-004	3.1500e-003	2.3700e-003	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.3848	0.3848	1.0000e-005	6.0000e-005	0.4030
Worker	6.3700e-003	2.6600e-003	0.0305	1.0000e-005	6.0000e-005	3.0000e-005	9.0000e-005	2.0000e-005	2.0000e-005	5.0000e-005	0.0000	0.9941	0.9941	6.2000e-004	3.1000e-004	1.1023
<b>Total</b>	<b>6.5500e-003</b>	<b>6.8700e-003</b>	<b>0.0330</b>	<b>2.0000e-005</b>	<b>2.3000e-004</b>	<b>4.0000e-005</b>	<b>2.7000e-004</b>	<b>6.0000e-005</b>	<b>3.0000e-005</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>1.8738</b>	<b>1.8738</b>	<b>6.3000e-004</b>	<b>4.5000e-004</b>	<b>2.0236</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.6000e-004	3.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0760	0.0760	0.0000	1.0000e-005	0.0796
Vendor	6.0000e-005	1.1400e-003	8.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1414	0.1414	0.0000	2.0000e-005	0.1481
Worker	4.9600e-003	2.0600e-003	0.0228	1.0000e-005	4.0000e-005	2.0000e-005	6.0000e-005	2.0000e-005	2.0000e-005	3.0000e-005	0.0000	0.7396	0.7396	4.9000e-004	2.3000e-004	0.8217
<b>Total</b>	<b>5.0200e-003</b>	<b>3.3600e-003</b>	<b>0.0237</b>	<b>1.0000e-005</b>	<b>6.0000e-005</b>	<b>2.0000e-005</b>	<b>8.0000e-005</b>	<b>3.0000e-005</b>	<b>2.0000e-005</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.9570</b>	<b>0.9570</b>	<b>4.9000e-004</b>	<b>2.6000e-004</b>	<b>1.0494</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2024**

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.6000e-004	3.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0760	0.0760	0.0000	1.0000e-005	0.0796
Vendor	6.0000e-005	1.1400e-003	8.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1414	0.1414	0.0000	2.0000e-005	0.1481
Worker	4.9600e-003	2.0600e-003	0.0228	1.0000e-005	4.0000e-005	2.0000e-005	6.0000e-005	2.0000e-005	2.0000e-005	3.0000e-005	0.0000	0.7396	0.7396	4.9000e-004	2.3000e-004	0.8217
<b>Total</b>	<b>5.0200e-003</b>	<b>3.3600e-003</b>	<b>0.0237</b>	<b>1.0000e-005</b>	<b>6.0000e-005</b>	<b>2.0000e-005</b>	<b>8.0000e-005</b>	<b>3.0000e-005</b>	<b>2.0000e-005</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.9570</b>	<b>0.9570</b>	<b>4.9000e-004</b>	<b>2.6000e-004</b>	<b>1.0494</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0197	0.0197	0.0000	0.0000	0.0206
Vendor	2.0000e-005	3.0000e-004	2.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0366	0.0366	0.0000	1.0000e-005	0.0383
Worker	1.2100e-003	5.1000e-004	5.7900e-003	0.0000	1.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.1890	0.1890	1.2000e-004	6.0000e-005	0.2095
<b>Total</b>	<b>1.2300e-003</b>	<b>8.5000e-004</b>	<b>6.0300e-003</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.2452</b>	<b>0.2452</b>	<b>1.2000e-004</b>	<b>7.0000e-005</b>	<b>0.2684</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2025**

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0197	0.0197	0.0000	0.0000	0.0206
Vendor	2.0000e-005	3.0000e-004	2.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0366	0.0366	0.0000	1.0000e-005	0.0383
Worker	1.2100e-003	5.1000e-004	5.7900e-003	0.0000	1.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.1890	0.1890	1.2000e-004	6.0000e-005	0.2095
<b>Total</b>	<b>1.2300e-003</b>	<b>8.5000e-004</b>	<b>6.0300e-003</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.2452</b>	<b>0.2452</b>	<b>1.2000e-004</b>	<b>7.0000e-005</b>	<b>0.2684</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.0000e-005	9.3000e-004	1.6000e-004	0.0000	1.3000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.4373	0.4373	0.0000	7.0000e-005	0.4578
Vendor	9.3000e-004	0.0183	0.0139	2.0000e-005	4.0000e-005	1.0000e-005	5.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	2.2754	2.2754	5.0000e-005	3.6000e-004	2.3835
Worker	0.0190	7.9000e-003	0.0874	3.0000e-005	1.6000e-004	7.0000e-005	2.4000e-004	7.0000e-005	7.0000e-005	1.3000e-004	0.0000	2.8324	2.8324	1.8600e-003	9.0000e-004	3.1470
<b>Total</b>	<b>0.0199</b>	<b>0.0271</b>	<b>0.1014</b>	<b>5.0000e-005</b>	<b>3.3000e-004</b>	<b>9.0000e-005</b>	<b>4.3000e-004</b>	<b>1.2000e-004</b>	<b>9.0000e-005</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>5.5452</b>	<b>5.5452</b>	<b>1.9100e-003</b>	<b>1.3300e-003</b>	<b>5.9883</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2024**

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.0000e-005	9.3000e-004	1.6000e-004	0.0000	1.3000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.4373	0.4373	0.0000	7.0000e-005	0.4578
Vendor	9.3000e-004	0.0183	0.0139	2.0000e-005	4.0000e-005	1.0000e-005	5.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	2.2754	2.2754	5.0000e-005	3.6000e-004	2.3835
Worker	0.0190	7.9000e-003	0.0874	3.0000e-005	1.6000e-004	7.0000e-005	2.4000e-004	7.0000e-005	7.0000e-005	1.3000e-004	0.0000	2.8324	2.8324	1.8600e-003	9.0000e-004	3.1470
<b>Total</b>	<b>0.0199</b>	<b>0.0271</b>	<b>0.1014</b>	<b>5.0000e-005</b>	<b>3.3000e-004</b>	<b>9.0000e-005</b>	<b>4.3000e-004</b>	<b>1.2000e-004</b>	<b>9.0000e-005</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>5.5452</b>	<b>5.5452</b>	<b>1.9100e-003</b>	<b>1.3300e-003</b>	<b>5.9883</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	3.0000e-005	1.7100e-003	3.0000e-004	1.0000e-005	2.5000e-004	2.0000e-005	2.7000e-004	7.0000e-005	2.0000e-005	8.0000e-005	0.0000	0.7951	0.7951	0.0000	1.2000e-004	0.8324
Vendor	1.7100e-003	0.0339	0.0255	4.0000e-005	7.0000e-005	2.0000e-005	9.0000e-005	3.0000e-005	2.0000e-005	4.0000e-005	0.0000	4.1338	4.1338	8.0000e-005	6.5000e-004	4.3301
Worker	0.0326	0.0136	0.1558	6.0000e-005	3.1000e-004	1.3000e-004	4.4000e-004	1.2000e-004	1.2000e-004	2.4000e-004	0.0000	5.0836	5.0836	3.1800e-003	1.5900e-003	5.6372
<b>Total</b>	<b>0.0343</b>	<b>0.0492</b>	<b>0.1816</b>	<b>1.1000e-004</b>	<b>6.3000e-004</b>	<b>1.7000e-004</b>	<b>8.0000e-004</b>	<b>2.2000e-004</b>	<b>1.6000e-004</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>10.0125</b>	<b>10.0125</b>	<b>3.2600e-003</b>	<b>2.3600e-003</b>	<b>10.7997</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2025**

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	3.0000e-005	1.7100e-003	3.0000e-004	1.0000e-005	2.5000e-004	2.0000e-005	2.7000e-004	7.0000e-005	2.0000e-005	8.0000e-005	0.0000	0.7951	0.7951	0.0000	1.2000e-004	0.8324
Vendor	1.7100e-003	0.0339	0.0255	4.0000e-005	7.0000e-005	2.0000e-005	9.0000e-005	3.0000e-005	2.0000e-005	4.0000e-005	0.0000	4.1338	4.1338	8.0000e-005	6.5000e-004	4.3301
Worker	0.0326	0.0136	0.1558	6.0000e-005	3.1000e-004	1.3000e-004	4.4000e-004	1.2000e-004	1.2000e-004	2.4000e-004	0.0000	5.0836	5.0836	3.1800e-003	1.5900e-003	5.6372
<b>Total</b>	<b>0.0343</b>	<b>0.0492</b>	<b>0.1816</b>	<b>1.1000e-004</b>	<b>6.3000e-004</b>	<b>1.7000e-004</b>	<b>8.0000e-004</b>	<b>2.2000e-004</b>	<b>1.6000e-004</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>10.0125</b>	<b>10.0125</b>	<b>3.2600e-003</b>	<b>2.3600e-003</b>	<b>10.7997</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.8 Gen-Tie 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	2.0000e-004	4.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0961	0.0961	0.0000	2.0000e-005	0.1006
Vendor	3.0000e-005	5.8000e-004	4.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0715	0.0715	0.0000	1.0000e-005	0.0749
Worker	2.0000e-004	8.0000e-005	9.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0299	0.0299	2.0000e-005	1.0000e-005	0.0333
<b>Total</b>	<b>2.3000e-004</b>	<b>8.6000e-004</b>	<b>1.4000e-003</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.1976</b>	<b>0.1976</b>	<b>2.0000e-005</b>	<b>4.0000e-005</b>	<b>0.2088</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.8 Gen-Tie Construction - 2024**

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	2.0000e-004	4.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0961	0.0961	0.0000	2.0000e-005	0.1006
Vendor	3.0000e-005	5.8000e-004	4.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0715	0.0715	0.0000	1.0000e-005	0.0749
Worker	2.0000e-004	8.0000e-005	9.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0299	0.0299	2.0000e-005	1.0000e-005	0.0333
<b>Total</b>	<b>2.3000e-004</b>	<b>8.6000e-004</b>	<b>1.4000e-003</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.1976</b>	<b>0.1976</b>	<b>2.0000e-005</b>	<b>4.0000e-005</b>	<b>0.2088</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.9 Testing, Commissioning, Site Clean Up - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.0000e-005	8.1000e-004	1.4000e-004	0.0000	1.2000e-004	1.0000e-005	1.3000e-004	3.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.3764	0.3764	0.0000	6.0000e-005	0.3940
Vendor	8.0000e-005	1.6400e-003	1.2400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2003	0.2003	0.0000	3.0000e-005	0.2099
Worker	8.6000e-004	3.6000e-004	4.1200e-003	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.1346	0.1346	8.0000e-005	4.0000e-005	0.1492
<b>Total</b>	<b>9.5000e-004</b>	<b>2.8100e-003</b>	<b>5.5000e-003</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>1.0000e-005</b>	<b>1.4000e-004</b>	<b>3.0000e-005</b>	<b>1.0000e-005</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.7113</b>	<b>0.7113</b>	<b>8.0000e-005</b>	<b>1.3000e-004</b>	<b>0.7531</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.9 Testing, Commissioning, Site Clean Up - 2025**

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.0000e-005	8.1000e-004	1.4000e-004	0.0000	1.2000e-004	1.0000e-005	1.3000e-004	3.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.3764	0.3764	0.0000	6.0000e-005	0.3940
Vendor	8.0000e-005	1.6400e-003	1.2400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2003	0.2003	0.0000	3.0000e-005	0.2099
Worker	8.6000e-004	3.6000e-004	4.1200e-003	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.1346	0.1346	8.0000e-005	4.0000e-005	0.1492
<b>Total</b>	<b>9.5000e-004</b>	<b>2.8100e-003</b>	<b>5.5000e-003</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>1.0000e-005</b>	<b>1.4000e-004</b>	<b>3.0000e-005</b>	<b>1.0000e-005</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.7113</b>	<b>0.7113</b>	<b>8.0000e-005</b>	<b>1.3000e-004</b>	<b>0.7531</b>

**4.0 Operational Detail - Mobile**

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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
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
User Defined Industrial	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
Unrefrigerated Warehouse-No Rail	10.00	5.00	6.50	59.00	0.00	41.00	100	0	0
User Defined Industrial	10.00	5.00	6.50	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.512350	0.056893	0.178530	0.139791	0.031559	0.007084	0.020535	0.017167	0.000579	0.000603	0.030442	0.000618	0.003849

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User Defined Industrial	0.512350	0.056893	0.178530	0.139791	0.031559	0.007084	0.020535	0.017167	0.000579	0.000603	0.030442	0.000618	0.003849
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**5.0 Energy Detail**

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





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**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

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**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	0.0420	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.7000e-004	2.7000e-004	0.0000	0.0000	2.9000e-004
Unmitigated	0.0420	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.7000e-004	2.7000e-004	0.0000	0.0000	2.9000e-004

**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	2.9000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0391					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.7000e-004	2.7000e-004	0.0000	0.0000	2.9000e-004
<b>Total</b>	<b>0.0420</b>	<b>0.0000</b>	<b>1.4000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.7000e-004</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.9000e-004</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**6.2 Area by SubCategory**

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	2.9000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0391					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.7000e-004	2.7000e-004	0.0000	0.0000	2.9000e-004
<b>Total</b>	<b>0.0420</b>	<b>0.0000</b>	<b>1.4000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.7000e-004</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.9000e-004</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	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			
Unrefrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**7.2 Water by Land Use**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**9.0 Operational Offroad**

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

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

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**Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**CCAR Solar - BACT YSAQMD  
Yolo/Solano AQMD Air District, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	10.00	1000sqft	2,555.00	10,000.00	0
User Defined Industrial	1.00	User Defined Unit	0.00	1.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	55
<b>Climate Zone</b>	3			<b>Operational Year</b>	2025
<b>Utility Company</b>	Sacramento Municipal Utility District				
<b>CO2 Intensity (lb/MWhr)</b>	357.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - Operational year 2025.

Land Use - 2,555 acers based on total development area.

Construction Phase - Construction phasing information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant. Off-Highway Trucks include 3 water trucks and 3 dump trucks.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Trips and VMT - Construction trip information is based on data provided by the project applicant.

On-road Fugitive Dust -

Grading - 250,000 cubic yards of export

Vehicle Trips - no mobile

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating -

Energy Use - construction only.

Water And Wastewater - no water use

Solid Waste - no solid waste

Construction Off-road Equipment Mitigation - Included watering 3x daily, unpaved road stabilization and vehicle speed reduction as Enhanced Fugitive PM dust control control in practices as recommended by the SMAQMD

Fleet Mix - CalEEMod defaults.

Stationary Sources - Emergency Generators and Fire Pumps - NA

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblEnergyUse	LightingElect	3.22	0.00
tblEnergyUse	NT24E	5.13	0.00
tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	0.93	0.00
tblEnergyUse	T24NG	16.86	0.00
tblGrading	AcresOfGrading	0.00	550.00
tblGrading	MaterialExported	0.00	250,000.00
tblLandscapeEquipment	NumberSummerDays	180	250
tblLandUse	LandUseSquareFeet	0.00	1.00
tblLandUse	LotAcreage	0.23	2,555.00
tblOffRoadEquipment	HorsePower	85.00	950.00

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblOffRoadEquipment	HorsePower	158.00	172.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	300.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	200.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	168.00	350.00
tblOffRoadEquipment	HorsePower	168.00	160.00
tblOffRoadEquipment	HorsePower	168.00	790.00
tblOffRoadEquipment	HorsePower	168.00	755.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblRoadDust	CARB_PM_VMT	False	True
tblSolidWaste	SolidWasteGenerationRate	9.40	0.00
tblTripsAndVMT	HaulingTripLength	20.00	34.80
tblTripsAndVMT	HaulingTripLength	20.00	34.80
tblTripsAndVMT	HaulingTripLength	20.00	34.80
tblTripsAndVMT	HaulingTripLength	20.00	34.80
tblTripsAndVMT	HaulingTripLength	20.00	34.80
tblTripsAndVMT	HaulingTripLength	20.00	34.80
tblTripsAndVMT	HaulingTripLength	20.00	34.80
tblTripsAndVMT	HaulingTripLength	20.00	34.80
tblTripsAndVMT	HaulingTripLength	20.00	34.80
tblTripsAndVMT	HaulingTripNumber	31,250.00	938.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	HaulingTripNumber	0.00	20.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	HaulingTripNumber	0.00	26.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	HaulingTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripLength	9.00	0.00
tblTripsAndVMT	VendorTripLength	9.00	0.00

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tbITripsAndVMT	VendorTripLength	9.00	0.00
tbITripsAndVMT	VendorTripLength	9.00	0.00
tbITripsAndVMT	VendorTripLength	9.00	0.00
tbITripsAndVMT	VendorTripLength	9.00	0.00
tbITripsAndVMT	VendorTripLength	9.00	0.00
tbITripsAndVMT	VendorTripLength	9.00	0.00
tbITripsAndVMT	VendorTripNumber	0.00	16.00
tbITripsAndVMT	VendorTripNumber	0.00	16.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	VendorTripNumber	2.00	4.00
tbITripsAndVMT	VendorTripNumber	0.00	2.00
tbITripsAndVMT	VendorTripNumber	2.00	40.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripNumber	0.00	50.00
tbITripsAndVMT	WorkerTripNumber	0.00	74.00
tbITripsAndVMT	WorkerTripNumber	0.00	30.00
tbITripsAndVMT	WorkerTripNumber	4.00	100.00
tbITripsAndVMT	WorkerTripNumber	0.00	100.00
tbITripsAndVMT	WorkerTripNumber	4.00	476.00
tbITripsAndVMT	WorkerTripNumber	0.00	16.00

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblTripsAndVMT	WorkerTripNumber	0.00	26.00
tblVehicleTrips	CC_TL	8.00	5.00
tblVehicleTrips	CC_TL	8.00	5.00
tblVehicleTrips	CNW_TL	9.00	6.50
tblVehicleTrips	CNW_TL	9.00	6.50
tblVehicleTrips	CW_TL	15.00	10.00
tblVehicleTrips	CW_TL	15.00	10.00
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaDigestCogenCombDigestGasPercent	0.00	85.00
tblWater	AnaDigestCogenCombDigestGasPercent	0.00	85.00
tblWater	AnaDigestCombDigestGasPercent	100.00	15.00
tblWater	AnaDigestCombDigestGasPercent	100.00	15.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	2,312,500.00	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

**2.0 Emissions Summary**

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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					
2024	1.1813	2.0454	4.0042	7.1100e-003	2.9285	0.0130	2.9415	0.3476	0.0123	0.3599	0.0000	744.9018	744.9018	0.0792	0.1366	787.5866
2025	1.0743	1.9353	3.7613	6.7600e-003	2.9254	0.0125	2.9379	0.3467	0.0118	0.3585	0.0000	708.0423	708.0423	0.0715	0.1292	748.3200
<b>Maximum</b>	<b>1.1813</b>	<b>2.0454</b>	<b>4.0042</b>	<b>7.1100e-003</b>	<b>2.9285</b>	<b>0.0130</b>	<b>2.9415</b>	<b>0.3476</b>	<b>0.0123</b>	<b>0.3599</b>	<b>0.0000</b>	<b>744.9018</b>	<b>744.9018</b>	<b>0.0792</b>	<b>0.1366</b>	<b>787.5866</b>

**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					
2024	1.1813	2.0454	4.0042	7.1100e-003	1.2328	0.0130	1.2458	0.1611	0.0123	0.1734	0.0000	744.9018	744.9018	0.0792	0.1366	787.5866
2025	1.0743	1.9353	3.7613	6.7600e-003	1.2298	0.0125	1.2423	0.1602	0.0118	0.1721	0.0000	708.0423	708.0423	0.0715	0.1292	748.3200
<b>Maximum</b>	<b>1.1813</b>	<b>2.0454</b>	<b>4.0042</b>	<b>7.1100e-003</b>	<b>1.2328</b>	<b>0.0130</b>	<b>1.2458</b>	<b>0.1611</b>	<b>0.0123</b>	<b>0.1734</b>	<b>0.0000</b>	<b>744.9018</b>	<b>744.9018</b>	<b>0.0792</b>	<b>0.1366</b>	<b>787.5866</b>





CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.2300	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
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
<b>Total</b>	<b>0.2300</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>2.4100e-003</b>	<b>2.4100e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>2.5600e-003</b>

**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	0.2300	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
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
<b>Total</b>	<b>0.2300</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>2.4100e-003</b>	<b>2.4100e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>2.5600e-003</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	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	3/1/2024	1/2/2025	5	220	
2	Perimeter Fence Installation	Site Preparation	3/1/2024	5/30/2024	5	65	
3	Tree Removal	Site Preparation	3/1/2024	6/4/2024	5	68	
4	Energy Storage System	Building Construction	8/1/2024	6/18/2025	5	230	
5	Underground Work (Utilities)	Trenching	9/1/2024	1/31/2025	5	110	
6	System Installation	Building Construction	9/25/2024	7/1/2025	5	200	
7	Gen-Tie Construction	Trenching	10/1/2024	10/30/2024	5	22	
8	Testing, Commissioning, Site Clean Up	Trenching	6/1/2025	8/27/2025	5	63	

**Acres of Grading (Site Preparation Phase): 550**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Off-Highway Trucks	0	8.00	402	0.38
Site Preparation	Rollers	0	8.00	80	0.38

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Scrapers	0	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Perimeter Fence Installation	Off-Highway Trucks	0	8.00	150	0.38
Perimeter Fence Installation	Rough Terrain Forklifts	0	8.00	100	0.40
Perimeter Fence Installation	Rubber Tired Dozers	0	0.00	247	0.40
Perimeter Fence Installation	Skid Steer Loaders	0	8.00	65	0.37
Perimeter Fence Installation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Tree Removal	Crushing/Proc. Equipment	0	8.00	950	0.78
Tree Removal	Excavators	0	8.00	172	0.38
Tree Removal	Other Material Handling Equipment	0	8.00	350	0.40
Tree Removal	Other Material Handling Equipment	0	8.00	160	0.40
Tree Removal	Other Material Handling Equipment	0	8.00	790	0.40
Tree Removal	Other Material Handling Equipment	0	8.00	755	0.40
Tree Removal	Rubber Tired Dozers	0	8.00	247	0.40
Tree Removal	Skid Steer Loaders	0	8.00	65	0.37
Tree Removal	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Energy Storage System	Cranes	0	8.00	231	0.29
Energy Storage System	Forklifts	0	0.00	89	0.20
Energy Storage System	Generator Sets	0	0.00	84	0.74
Energy Storage System	Graders	0	8.00	187	0.41
Energy Storage System	Off-Highway Trucks	0	8.00	150	0.38
Energy Storage System	Rough Terrain Forklifts	0	8.00	100	0.40
Energy Storage System	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Energy Storage System	Welders	0	0.00	46	0.45
Underground Work (Utilities)	Cranes	0	0.00	231	0.29
Underground Work (Utilities)	Excavators	0	8.00	158	0.38
Underground Work (Utilities)	Off-Highway Trucks	0	8.00	300	0.38
Underground Work (Utilities)	Other Construction Equipment	0	8.00	172	0.42

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Underground Work (Utilities)	Rollers	0	8.00	80	0.38
Underground Work (Utilities)	Rough Terrain Forklifts	0	8.00	100	0.40
System Installation	Cranes	0	8.00	231	0.29
System Installation	Forklifts	0	0.00	89	0.20
System Installation	Generator Sets	0	8.00	84	0.74
System Installation	Off-Highway Trucks	0	8.00	150	0.38
System Installation	Other Construction Equipment	0	8.00	172	0.42
System Installation	Rough Terrain Forklifts	0	8.00	100	0.40
System Installation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
System Installation	Welders	0	0.00	46	0.45
Gen-Tie Construction	Off-Highway Trucks	0	8.00	200	0.38
Testing, Commissioning, Site Clean Up	Graders	0	8.00	187	0.41
Testing, Commissioning, Site Clean Up	Off-Highway Trucks	0	8.00	150	0.38
Testing, Commissioning, Site Clean Up	Skid Steer Loaders	0	8.00	65	0.37

**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	0	50.00	16.00	938.00	0.00	0.00	34.80	LD_Mix	HDT_Mix	HHDT
Perimeter Fence Installation	0	74.00	16.00	2.00	0.00	0.00	34.80	LD_Mix	HDT_Mix	HHDT
Tree Removal	0	30.00	4.00	0.00	0.00	0.00	34.80	LD_Mix	HDT_Mix	HHDT
Energy Storage System	0	100.00	4.00	20.00	0.00	0.00	34.80	LD_Mix	HDT_Mix	HHDT
Underground Work (Utilities)	0	100.00	2.00	2.00	0.00	0.00	34.80	LD_Mix	HDT_Mix	HHDT
System Installation	0	476.00	40.00	26.00	0.00	0.00	34.80	LD_Mix	HDT_Mix	HHDT
Gen-Tie Construction	0	16.00	4.00	2.00	0.00	0.00	34.80	LD_Mix	HDT_Mix	HHDT
Testing, Commissioning, Site Clean Up	0	26.00	4.00	8.00	0.00	0.00	34.80	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

**3.2 Site Preparation - 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					
Fugitive Dust					2.7798	0.0000	2.7798	0.3057	0.0000	0.3057			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.7798</b>	<b>0.0000</b>	<b>2.7798</b>	<b>0.3057</b>	<b>0.0000</b>	<b>0.3057</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2024**

**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	0.0132	0.8224	0.1493	4.2700e-003	0.1297	8.6000e-003	0.1383	0.0356	8.2300e-003	0.0438		451.5834	451.5834	7.3000e-004	0.0710	472.7513
Vendor	0.0113	0.2030	0.1555	2.7000e-004	4.2000e-004	1.1000e-004	5.3000e-004	1.7000e-004	1.0000e-004	2.7000e-004		28.3715	28.3715	5.9000e-004	4.4700e-003	29.7193
Worker	0.0755	0.0217	0.2158	9.0000e-005	4.9000e-004	2.2000e-004	7.2000e-004	2.0000e-004	2.0000e-004	4.0000e-004		9.5521	9.5521	5.1200e-003	2.8100e-003	10.5183
<b>Total</b>	<b>0.0999</b>	<b>1.0471</b>	<b>0.5205</b>	<b>4.6300e-003</b>	<b>0.1306</b>	<b>8.9300e-003</b>	<b>0.1396</b>	<b>0.0359</b>	<b>8.5300e-003</b>	<b>0.0445</b>		<b>489.5069</b>	<b>489.5069</b>	<b>6.4400e-003</b>	<b>0.0783</b>	<b>512.9888</b>

**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					1.0841	0.0000	1.0841	0.1192	0.0000	0.1192			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0841</b>	<b>0.0000</b>	<b>1.0841</b>	<b>0.1192</b>	<b>0.0000</b>	<b>0.1192</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2024**

**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	0.0132	0.8224	0.1493	4.2700e-003	0.1297	8.6000e-003	0.1383	0.0356	8.2300e-003	0.0438		451.5834	451.5834	7.3000e-004	0.0710	472.7513
Vendor	0.0113	0.2030	0.1555	2.7000e-004	4.2000e-004	1.1000e-004	5.3000e-004	1.7000e-004	1.0000e-004	2.7000e-004		28.3715	28.3715	5.9000e-004	4.4700e-003	29.7193
Worker	0.0755	0.0217	0.2158	9.0000e-005	4.9000e-004	2.2000e-004	7.2000e-004	2.0000e-004	2.0000e-004	4.0000e-004		9.5521	9.5521	5.1200e-003	2.8100e-003	10.5183
<b>Total</b>	<b>0.0999</b>	<b>1.0471</b>	<b>0.5205</b>	<b>4.6300e-003</b>	<b>0.1306</b>	<b>8.9300e-003</b>	<b>0.1396</b>	<b>0.0359</b>	<b>8.5300e-003</b>	<b>0.0445</b>		<b>489.5069</b>	<b>489.5069</b>	<b>6.4400e-003</b>	<b>0.0783</b>	<b>512.9888</b>

**3.2 Site Preparation - 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					
Fugitive Dust					2.7798	0.0000	2.7798	0.3057	0.0000	0.3057			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.7798</b>	<b>0.0000</b>	<b>2.7798</b>	<b>0.3057</b>	<b>0.0000</b>	<b>0.3057</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2025**

**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	0.0131	0.8139	0.1485	4.1800e-003	0.1297	8.5300e-003	0.1382	0.0356	8.1700e-003	0.0437		442.0720	442.0720	7.1000e-004	0.0695	462.7936
Vendor	0.0111	0.2022	0.1538	2.6000e-004	4.2000e-004	1.0000e-004	5.2000e-004	1.7000e-004	1.0000e-004	2.6000e-004		27.7513	27.7513	5.8000e-004	4.3800e-003	29.0697
Worker	0.0701	0.0202	0.2072	9.0000e-005	4.9000e-004	2.1000e-004	7.1000e-004	2.0000e-004	2.0000e-004	3.9000e-004		9.2324	9.2324	4.7200e-003	2.6800e-003	10.1487
<b>Total</b>	<b>0.0943</b>	<b>1.0363</b>	<b>0.5096</b>	<b>4.5300e-003</b>	<b>0.1306</b>	<b>8.8400e-003</b>	<b>0.1395</b>	<b>0.0359</b>	<b>8.4700e-003</b>	<b>0.0444</b>		<b>479.0556</b>	<b>479.0556</b>	<b>6.0100e-003</b>	<b>0.0765</b>	<b>502.0119</b>

**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					1.0841	0.0000	1.0841	0.1192	0.0000	0.1192			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0841</b>	<b>0.0000</b>	<b>1.0841</b>	<b>0.1192</b>	<b>0.0000</b>	<b>0.1192</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>



CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2025**

**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	0.0131	0.8139	0.1485	4.1800e-003	0.1297	8.5300e-003	0.1382	0.0356	8.1700e-003	0.0437		442.0720	442.0720	7.1000e-004	0.0695	462.7936
Vendor	0.0111	0.2022	0.1538	2.6000e-004	4.2000e-004	1.0000e-004	5.2000e-004	1.7000e-004	1.0000e-004	2.6000e-004		27.7513	27.7513	5.8000e-004	4.3800e-003	29.0697
Worker	0.0701	0.0202	0.2072	9.0000e-005	4.9000e-004	2.1000e-004	7.1000e-004	2.0000e-004	2.0000e-004	3.9000e-004		9.2324	9.2324	4.7200e-003	2.6800e-003	10.1487
<b>Total</b>	<b>0.0943</b>	<b>1.0363</b>	<b>0.5096</b>	<b>4.5300e-003</b>	<b>0.1306</b>	<b>8.8400e-003</b>	<b>0.1395</b>	<b>0.0359</b>	<b>8.4700e-003</b>	<b>0.0444</b>		<b>479.0556</b>	<b>479.0556</b>	<b>6.0100e-003</b>	<b>0.0765</b>	<b>502.0119</b>

**3.3 Perimeter Fence Installation - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Perimeter Fence Installation - 2024**

**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	9.0000e-005	5.9300e-003	1.0800e-003	3.0000e-005	9.4000e-004	6.0000e-005	1.0000e-003	2.6000e-004	6.0000e-005	3.2000e-004		3.2589	3.2589	1.0000e-005	5.1000e-004	3.4117
Vendor	0.0113	0.2030	0.1555	2.7000e-004	4.2000e-004	1.1000e-004	5.3000e-004	1.7000e-004	1.0000e-004	2.7000e-004		28.3715	28.3715	5.9000e-004	4.4700e-003	29.7193
Worker	0.1118	0.0322	0.3194	1.4000e-004	7.3000e-004	3.3000e-004	1.0600e-003	2.9000e-004	3.0000e-004	5.9000e-004		14.1371	14.1371	7.5800e-003	4.1600e-003	15.5670
<b>Total</b>	<b>0.1231</b>	<b>0.2411</b>	<b>0.4759</b>	<b>4.4000e-004</b>	<b>2.0900e-003</b>	<b>5.0000e-004</b>	<b>2.5900e-003</b>	<b>7.2000e-004</b>	<b>4.6000e-004</b>	<b>1.1800e-003</b>		<b>45.7675</b>	<b>45.7675</b>	<b>8.1800e-003</b>	<b>9.1400e-003</b>	<b>48.6980</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Perimeter Fence Installation - 2024**

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	9.0000e-005	5.9300e-003	1.0800e-003	3.0000e-005	9.4000e-004	6.0000e-005	1.0000e-003	2.6000e-004	6.0000e-005	3.2000e-004		3.2589	3.2589	1.0000e-005	5.1000e-004	3.4117
Vendor	0.0113	0.2030	0.1555	2.7000e-004	4.2000e-004	1.1000e-004	5.3000e-004	1.7000e-004	1.0000e-004	2.7000e-004		28.3715	28.3715	5.9000e-004	4.4700e-003	29.7193
Worker	0.1118	0.0322	0.3194	1.4000e-004	7.3000e-004	3.3000e-004	1.0600e-003	2.9000e-004	3.0000e-004	5.9000e-004		14.1371	14.1371	7.5800e-003	4.1600e-003	15.5670
<b>Total</b>	<b>0.1231</b>	<b>0.2411</b>	<b>0.4759</b>	<b>4.4000e-004</b>	<b>2.0900e-003</b>	<b>5.0000e-004</b>	<b>2.5900e-003</b>	<b>7.2000e-004</b>	<b>4.6000e-004</b>	<b>1.1800e-003</b>		<b>45.7675</b>	<b>45.7675</b>	<b>8.1800e-003</b>	<b>9.1400e-003</b>	<b>48.6980</b>

**3.4 Tree Removal - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Tree Removal - 2024**

**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	2.8200e-003	0.0508	0.0389	7.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	3.0000e-005	7.0000e-005		7.0929	7.0929	1.5000e-004	1.1200e-003	7.4298
Worker	0.0453	0.0130	0.1295	6.0000e-005	3.0000e-004	1.3000e-004	4.3000e-004	1.2000e-004	1.2000e-004	2.4000e-004		5.7312	5.7312	3.0700e-003	1.6900e-003	6.3110
<b>Total</b>	<b>0.0481</b>	<b>0.0638</b>	<b>0.1683</b>	<b>1.3000e-004</b>	<b>4.1000e-004</b>	<b>1.6000e-004</b>	<b>5.6000e-004</b>	<b>1.6000e-004</b>	<b>1.5000e-004</b>	<b>3.1000e-004</b>		<b>12.8241</b>	<b>12.8241</b>	<b>3.2200e-003</b>	<b>2.8100e-003</b>	<b>13.7408</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Tree Removal - 2024**

**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	2.8200e-003	0.0508	0.0389	7.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	3.0000e-005	7.0000e-005		7.0929	7.0929	1.5000e-004	1.1200e-003	7.4298
Worker	0.0453	0.0130	0.1295	6.0000e-005	3.0000e-004	1.3000e-004	4.3000e-004	1.2000e-004	1.2000e-004	2.4000e-004		5.7312	5.7312	3.0700e-003	1.6900e-003	6.3110
<b>Total</b>	<b>0.0481</b>	<b>0.0638</b>	<b>0.1683</b>	<b>1.3000e-004</b>	<b>4.1000e-004</b>	<b>1.6000e-004</b>	<b>5.6000e-004</b>	<b>1.6000e-004</b>	<b>1.5000e-004</b>	<b>3.1000e-004</b>		<b>12.8241</b>	<b>12.8241</b>	<b>3.2200e-003</b>	<b>2.8100e-003</b>	<b>13.7408</b>

**3.5 Energy Storage System - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2024**

**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	2.7000e-004	0.0168	3.0400e-003	9.0000e-005	2.6500e-003	1.8000e-004	2.8200e-003	7.3000e-004	1.7000e-004	8.9000e-004		9.2100	9.2100	1.0000e-005	1.4500e-003	9.6417
Vendor	2.8200e-003	0.0508	0.0389	7.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	3.0000e-005	7.0000e-005		7.0929	7.0929	1.5000e-004	1.1200e-003	7.4298
Worker	0.1510	0.0435	0.4316	1.9000e-004	9.9000e-004	4.4000e-004	1.4300e-003	3.9000e-004	4.1000e-004	8.0000e-004		19.1042	19.1042	0.0102	5.6300e-003	21.0366
<b>Total</b>	<b>0.1541</b>	<b>0.1110</b>	<b>0.4735</b>	<b>3.5000e-004</b>	<b>3.7500e-003</b>	<b>6.5000e-004</b>	<b>4.3800e-003</b>	<b>1.1600e-003</b>	<b>6.1000e-004</b>	<b>1.7600e-003</b>		<b>35.4070</b>	<b>35.4070</b>	<b>0.0104</b>	<b>8.2000e-003</b>	<b>38.1081</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2024**

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	2.7000e-004	0.0168	3.0400e-003	9.0000e-005	2.6500e-003	1.8000e-004	2.8200e-003	7.3000e-004	1.7000e-004	8.9000e-004		9.2100	9.2100	1.0000e-005	1.4500e-003	9.6417
Vendor	2.8200e-003	0.0508	0.0389	7.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	3.0000e-005	7.0000e-005		7.0929	7.0929	1.5000e-004	1.1200e-003	7.4298
Worker	0.1510	0.0435	0.4316	1.9000e-004	9.9000e-004	4.4000e-004	1.4300e-003	3.9000e-004	4.1000e-004	8.0000e-004		19.1042	19.1042	0.0102	5.6300e-003	21.0366
<b>Total</b>	<b>0.1541</b>	<b>0.1110</b>	<b>0.4735</b>	<b>3.5000e-004</b>	<b>3.7500e-003</b>	<b>6.5000e-004</b>	<b>4.3800e-003</b>	<b>1.1600e-003</b>	<b>6.1000e-004</b>	<b>1.7600e-003</b>		<b>35.4070</b>	<b>35.4070</b>	<b>0.0104</b>	<b>8.2000e-003</b>	<b>38.1081</b>

**3.5 Energy Storage System - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2025**

**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	2.7000e-004	0.0166	3.0300e-003	9.0000e-005	2.6500e-003	1.7000e-004	2.8200e-003	7.2000e-004	1.7000e-004	8.9000e-004		9.0160	9.0160	1.0000e-005	1.4200e-003	9.4386
Vendor	2.7800e-003	0.0506	0.0385	7.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	2.0000e-005	7.0000e-005		6.9378	6.9378	1.4000e-004	1.0900e-003	7.2674
Worker	0.1401	0.0404	0.4144	1.8000e-004	9.9000e-004	4.2000e-004	1.4100e-003	3.9000e-004	3.9000e-004	7.8000e-004		18.4647	18.4647	9.4400e-003	5.3600e-003	20.2973
<b>Total</b>	<b>0.1432</b>	<b>0.1075</b>	<b>0.4559</b>	<b>3.4000e-004</b>	<b>3.7500e-003</b>	<b>6.2000e-004</b>	<b>4.3600e-003</b>	<b>1.1500e-003</b>	<b>5.8000e-004</b>	<b>1.7400e-003</b>		<b>34.4186</b>	<b>34.4186</b>	<b>9.5900e-003</b>	<b>7.8700e-003</b>	<b>37.0034</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>



CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2025**

**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	2.7000e-004	0.0166	3.0300e-003	9.0000e-005	2.6500e-003	1.7000e-004	2.8200e-003	7.2000e-004	1.7000e-004	8.9000e-004		9.0160	9.0160	1.0000e-005	1.4200e-003	9.4386
Vendor	2.7800e-003	0.0506	0.0385	7.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	2.0000e-005	7.0000e-005		6.9378	6.9378	1.4000e-004	1.0900e-003	7.2674
Worker	0.1401	0.0404	0.4144	1.8000e-004	9.9000e-004	4.2000e-004	1.4100e-003	3.9000e-004	3.9000e-004	7.8000e-004		18.4647	18.4647	9.4400e-003	5.3600e-003	20.2973
<b>Total</b>	<b>0.1432</b>	<b>0.1075</b>	<b>0.4559</b>	<b>3.4000e-004</b>	<b>3.7500e-003</b>	<b>6.2000e-004</b>	<b>4.3600e-003</b>	<b>1.1500e-003</b>	<b>5.8000e-004</b>	<b>1.7400e-003</b>		<b>34.4186</b>	<b>34.4186</b>	<b>9.5900e-003</b>	<b>7.8700e-003</b>	<b>37.0034</b>

**3.6 Underground Work (Utilities) - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2024**

**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	6.0000e-005	3.5100e-003	6.4000e-004	2.0000e-005	5.5000e-004	4.0000e-005	5.9000e-004	1.5000e-004	4.0000e-005	1.9000e-004		1.9257	1.9257	0.0000	3.0000e-004	2.0160
Vendor	1.4100e-003	0.0254	0.0194	3.0000e-005	5.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005		3.5464	3.5464	7.0000e-005	5.6000e-004	3.7149
Worker	0.1510	0.0435	0.4316	1.9000e-004	9.9000e-004	4.4000e-004	1.4300e-003	3.9000e-004	4.1000e-004	8.0000e-004		19.1042	19.1042	0.0102	5.6300e-003	21.0366
<b>Total</b>	<b>0.1525</b>	<b>0.0724</b>	<b>0.4516</b>	<b>2.4000e-004</b>	<b>1.5900e-003</b>	<b>4.9000e-004</b>	<b>2.0900e-003</b>	<b>5.6000e-004</b>	<b>4.6000e-004</b>	<b>1.0200e-003</b>		<b>24.5763</b>	<b>24.5763</b>	<b>0.0103</b>	<b>6.4900e-003</b>	<b>26.7675</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2024**

**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	6.0000e-005	3.5100e-003	6.4000e-004	2.0000e-005	5.5000e-004	4.0000e-005	5.9000e-004	1.5000e-004	4.0000e-005	1.9000e-004		1.9257	1.9257	0.0000	3.0000e-004	2.0160
Vendor	1.4100e-003	0.0254	0.0194	3.0000e-005	5.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005		3.5464	3.5464	7.0000e-005	5.6000e-004	3.7149
Worker	0.1510	0.0435	0.4316	1.9000e-004	9.9000e-004	4.4000e-004	1.4300e-003	3.9000e-004	4.1000e-004	8.0000e-004		19.1042	19.1042	0.0102	5.6300e-003	21.0366
<b>Total</b>	<b>0.1525</b>	<b>0.0724</b>	<b>0.4516</b>	<b>2.4000e-004</b>	<b>1.5900e-003</b>	<b>4.9000e-004</b>	<b>2.0900e-003</b>	<b>5.6000e-004</b>	<b>4.6000e-004</b>	<b>1.0200e-003</b>		<b>24.5763</b>	<b>24.5763</b>	<b>0.0103</b>	<b>6.4900e-003</b>	<b>26.7675</b>

**3.6 Underground Work (Utilities) - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2025**

**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	6.0000e-005	3.4700e-003	6.3000e-004	2.0000e-005	5.5000e-004	4.0000e-005	5.9000e-004	1.5000e-004	3.0000e-005	1.9000e-004		1.8852	1.8852	0.0000	3.0000e-004	1.9735
Vendor	1.3900e-003	0.0253	0.0192	3.0000e-005	5.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005		3.4689	3.4689	7.0000e-005	5.5000e-004	3.6337
Worker	0.1401	0.0404	0.4144	1.8000e-004	9.9000e-004	4.2000e-004	1.4100e-003	3.9000e-004	3.9000e-004	7.8000e-004		18.4647	18.4647	9.4400e-003	5.3600e-003	20.2973
<b>Total</b>	<b>0.1416</b>	<b>0.0691</b>	<b>0.4343</b>	<b>2.3000e-004</b>	<b>1.5900e-003</b>	<b>4.7000e-004</b>	<b>2.0700e-003</b>	<b>5.6000e-004</b>	<b>4.3000e-004</b>	<b>1.0000e-003</b>		<b>23.8188</b>	<b>23.8188</b>	<b>9.5100e-003</b>	<b>6.2100e-003</b>	<b>25.9046</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2025**

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	6.0000e-005	3.4700e-003	6.3000e-004	2.0000e-005	5.5000e-004	4.0000e-005	5.9000e-004	1.5000e-004	3.0000e-005	1.9000e-004		1.8852	1.8852	0.0000	3.0000e-004	1.9735
Vendor	1.3900e-003	0.0253	0.0192	3.0000e-005	5.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005		3.4689	3.4689	7.0000e-005	5.5000e-004	3.6337
Worker	0.1401	0.0404	0.4144	1.8000e-004	9.9000e-004	4.2000e-004	1.4100e-003	3.9000e-004	3.9000e-004	7.8000e-004		18.4647	18.4647	9.4400e-003	5.3600e-003	20.2973
<b>Total</b>	<b>0.1416</b>	<b>0.0691</b>	<b>0.4343</b>	<b>2.3000e-004</b>	<b>1.5900e-003</b>	<b>4.7000e-004</b>	<b>2.0700e-003</b>	<b>5.6000e-004</b>	<b>4.3000e-004</b>	<b>1.0000e-003</b>		<b>23.8188</b>	<b>23.8188</b>	<b>9.5100e-003</b>	<b>6.2100e-003</b>	<b>25.9046</b>

**3.7 System Installation - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2024**

**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	4.0000e-004	0.0251	4.5500e-003	1.3000e-004	3.9600e-003	2.6000e-004	4.2200e-003	1.0800e-003	2.5000e-004	1.3300e-003		13.7690	13.7690	2.0000e-005	2.1600e-003	14.4144
Vendor	0.0282	0.5076	0.3887	6.7000e-004	1.0500e-003	2.6000e-004	1.3200e-003	4.1000e-004	2.5000e-004	6.6000e-004		70.9287	70.9287	1.4700e-003	0.0112	74.2982
Worker	0.7189	0.2070	2.0542	9.0000e-004	4.7000e-003	2.1100e-003	6.8100e-003	1.8600e-003	1.9400e-003	3.8000e-003		90.9357	90.9357	0.0488	0.0268	100.1340
<b>Total</b>	<b>0.7475</b>	<b>0.7396</b>	<b>2.4475</b>	<b>1.7000e-003</b>	<b>9.7100e-003</b>	<b>2.6300e-003</b>	<b>0.0124</b>	<b>3.3500e-003</b>	<b>2.4400e-003</b>	<b>5.7900e-003</b>		<b>175.6334</b>	<b>175.6334</b>	<b>0.0503</b>	<b>0.0401</b>	<b>188.8466</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2024**

**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	4.0000e-004	0.0251	4.5500e-003	1.3000e-004	3.9600e-003	2.6000e-004	4.2200e-003	1.0800e-003	2.5000e-004	1.3300e-003		13.7690	13.7690	2.0000e-005	2.1600e-003	14.4144
Vendor	0.0282	0.5076	0.3887	6.7000e-004	1.0500e-003	2.6000e-004	1.3200e-003	4.1000e-004	2.5000e-004	6.6000e-004		70.9287	70.9287	1.4700e-003	0.0112	74.2982
Worker	0.7189	0.2070	2.0542	9.0000e-004	4.7000e-003	2.1100e-003	6.8100e-003	1.8600e-003	1.9400e-003	3.8000e-003		90.9357	90.9357	0.0488	0.0268	100.1340
<b>Total</b>	<b>0.7475</b>	<b>0.7396</b>	<b>2.4475</b>	<b>1.7000e-003</b>	<b>9.7100e-003</b>	<b>2.6300e-003</b>	<b>0.0124</b>	<b>3.3500e-003</b>	<b>2.4400e-003</b>	<b>5.7900e-003</b>		<b>175.6334</b>	<b>175.6334</b>	<b>0.0503</b>	<b>0.0401</b>	<b>188.8466</b>

**3.7 System Installation - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2025**

**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	4.0000e-004	0.0248	4.5300e-003	1.3000e-004	3.9500e-003	2.6000e-004	4.2100e-003	1.0800e-003	2.5000e-004	1.3300e-003		13.4790	13.4790	2.0000e-005	2.1200e-003	14.1108
Vendor	0.0278	0.5056	0.3846	6.6000e-004	1.0500e-003	2.6000e-004	1.3100e-003	4.1000e-004	2.5000e-004	6.6000e-004		69.3782	69.3782	1.4500e-003	0.0109	72.6741
Worker	0.6670	0.1921	1.9725	8.7000e-004	4.7000e-003	2.0200e-003	6.7200e-003	1.8600e-003	1.8600e-003	3.7200e-003		87.8922	87.8922	0.0449	0.0255	96.6153
<b>Total</b>	<b>0.6953</b>	<b>0.7224</b>	<b>2.3616</b>	<b>1.6600e-003</b>	<b>9.7000e-003</b>	<b>2.5400e-003</b>	<b>0.0122</b>	<b>3.3500e-003</b>	<b>2.3600e-003</b>	<b>5.7100e-003</b>		<b>170.7493</b>	<b>170.7493</b>	<b>0.0464</b>	<b>0.0386</b>	<b>183.4002</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>



CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2025**

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	4.0000e-004	0.0248	4.5300e-003	1.3000e-004	3.9500e-003	2.6000e-004	4.2100e-003	1.0800e-003	2.5000e-004	1.3300e-003		13.4790	13.4790	2.0000e-005	2.1200e-003	14.1108
Vendor	0.0278	0.5056	0.3846	6.6000e-004	1.0500e-003	2.6000e-004	1.3100e-003	4.1000e-004	2.5000e-004	6.6000e-004		69.3782	69.3782	1.4500e-003	0.0109	72.6741
Worker	0.6670	0.1921	1.9725	8.7000e-004	4.7000e-003	2.0200e-003	6.7200e-003	1.8600e-003	1.8600e-003	3.7200e-003		87.8922	87.8922	0.0449	0.0255	96.6153
<b>Total</b>	<b>0.6953</b>	<b>0.7224</b>	<b>2.3616</b>	<b>1.6600e-003</b>	<b>9.7000e-003</b>	<b>2.5400e-003</b>	<b>0.0122</b>	<b>3.3500e-003</b>	<b>2.3600e-003</b>	<b>5.7100e-003</b>		<b>170.7493</b>	<b>170.7493</b>	<b>0.0464</b>	<b>0.0386</b>	<b>183.4002</b>

**3.8 Gen-Tie 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.8 Gen-Tie Construction - 2024**

**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	2.8000e-004	0.0175	3.1800e-003	9.0000e-005	2.7700e-003	1.8000e-004	2.9500e-003	7.6000e-004	1.8000e-004	9.3000e-004		9.6286	9.6286	2.0000e-005	1.5100e-003	10.0800
Vendor	2.8200e-003	0.0508	0.0389	7.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	3.0000e-005	7.0000e-005		7.0929	7.0929	1.5000e-004	1.1200e-003	7.4298
Worker	0.0242	6.9600e-003	0.0691	3.0000e-005	1.6000e-004	7.0000e-005	2.3000e-004	6.0000e-005	7.0000e-005	1.3000e-004		3.0567	3.0567	1.6400e-003	9.0000e-004	3.3659
<b>Total</b>	<b>0.0273</b>	<b>0.0753</b>	<b>0.1111</b>	<b>1.9000e-004</b>	<b>3.0400e-003</b>	<b>2.8000e-004</b>	<b>3.3100e-003</b>	<b>8.6000e-004</b>	<b>2.8000e-004</b>	<b>1.1300e-003</b>		<b>19.7782</b>	<b>19.7782</b>	<b>1.8100e-003</b>	<b>3.5300e-003</b>	<b>20.8757</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.8 Gen-Tie Construction - 2024**

**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	2.8000e-004	0.0175	3.1800e-003	9.0000e-005	2.7700e-003	1.8000e-004	2.9500e-003	7.6000e-004	1.8000e-004	9.3000e-004		9.6286	9.6286	2.0000e-005	1.5100e-003	10.0800
Vendor	2.8200e-003	0.0508	0.0389	7.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	3.0000e-005	7.0000e-005		7.0929	7.0929	1.5000e-004	1.1200e-003	7.4298
Worker	0.0242	6.9600e-003	0.0691	3.0000e-005	1.6000e-004	7.0000e-005	2.3000e-004	6.0000e-005	7.0000e-005	1.3000e-004		3.0567	3.0567	1.6400e-003	9.0000e-004	3.3659
<b>Total</b>	<b>0.0273</b>	<b>0.0753</b>	<b>0.1111</b>	<b>1.9000e-004</b>	<b>3.0400e-003</b>	<b>2.8000e-004</b>	<b>3.3100e-003</b>	<b>8.6000e-004</b>	<b>2.8000e-004</b>	<b>1.1300e-003</b>		<b>19.7782</b>	<b>19.7782</b>	<b>1.8100e-003</b>	<b>3.5300e-003</b>	<b>20.8757</b>

**3.9 Testing, Commissioning, Site Clean Up - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.9 Testing, Commissioning, Site Clean Up - 2025**

**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	3.9000e-004	0.0242	4.4200e-003	1.2000e-004	3.8600e-003	2.5000e-004	4.1200e-003	1.0600e-003	2.4000e-004	1.3000e-003		13.1663	13.1663	2.0000e-005	2.0700e-003	13.7834
Vendor	2.7800e-003	0.0506	0.0385	7.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	2.0000e-005	7.0000e-005		6.9378	6.9378	1.4000e-004	1.0900e-003	7.2674
Worker	0.0364	0.0105	0.1077	5.0000e-005	2.6000e-004	1.1000e-004	3.7000e-004	1.0000e-004	1.0000e-004	2.0000e-004		4.8008	4.8008	2.4500e-003	1.3900e-003	5.2773
<b>Total</b>	<b>0.0396</b>	<b>0.0853</b>	<b>0.1506</b>	<b>2.4000e-004</b>	<b>4.2300e-003</b>	<b>3.9000e-004</b>	<b>4.6200e-003</b>	<b>1.2000e-003</b>	<b>3.6000e-004</b>	<b>1.5700e-003</b>		<b>24.9049</b>	<b>24.9049</b>	<b>2.6100e-003</b>	<b>4.5500e-003</b>	<b>26.3281</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.9 Testing, Commissioning, Site Clean Up - 2025**

**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	3.9000e-004	0.0242	4.4200e-003	1.2000e-004	3.8600e-003	2.5000e-004	4.1200e-003	1.0600e-003	2.4000e-004	1.3000e-003		13.1663	13.1663	2.0000e-005	2.0700e-003	13.7834
Vendor	2.7800e-003	0.0506	0.0385	7.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	2.0000e-005	7.0000e-005		6.9378	6.9378	1.4000e-004	1.0900e-003	7.2674
Worker	0.0364	0.0105	0.1077	5.0000e-005	2.6000e-004	1.1000e-004	3.7000e-004	1.0000e-004	1.0000e-004	2.0000e-004		4.8008	4.8008	2.4500e-003	1.3900e-003	5.2773
<b>Total</b>	<b>0.0396</b>	<b>0.0853</b>	<b>0.1506</b>	<b>2.4000e-004</b>	<b>4.2300e-003</b>	<b>3.9000e-004</b>	<b>4.6200e-003</b>	<b>1.2000e-003</b>	<b>3.6000e-004</b>	<b>1.5700e-003</b>		<b>24.9049</b>	<b>24.9049</b>	<b>2.6100e-003</b>	<b>4.5500e-003</b>	<b>26.3281</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
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

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
User Defined Industrial	0.00	0.00	0.00		
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		

**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
Unrefrigerated Warehouse-No Rail	10.00	5.00	6.50	59.00	0.00	41.00	100	0	0
User Defined Industrial	10.00	5.00	6.50	100.00	0.00	0.00	100	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.512350	0.056893	0.178530	0.139791	0.031559	0.007084	0.020535	0.017167	0.000579	0.000603	0.030442	0.000618	0.003849
User Defined Industrial	0.512350	0.056893	0.178530	0.139791	0.031559	0.007084	0.020535	0.017167	0.000579	0.000603	0.030442	0.000618	0.003849

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**5.0 Energy Detail**

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

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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					
Unrefrigerated Warehouse-No Rail	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
User Defined Industrial	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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

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					
Unrefrigerated Warehouse-No Rail	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
User Defined Industrial	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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**



CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.2300	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
Unmitigated	0.2300	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003

**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	0.0159					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2140					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-004	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
<b>Total</b>	<b>0.2300</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.4100e-003</b>	<b>2.4100e-003</b>	<b>1.0000e-005</b>		<b>2.5600e-003</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**6.2 Area by SubCategory**

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	0.0159					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2140					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-004	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
<b>Total</b>	<b>0.2300</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.4100e-003</b>	<b>2.4100e-003</b>	<b>1.0000e-005</b>		<b>2.5600e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**CCAR Solar - BACT YSAQMD  
Yolo/Solano AQMD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	10.00	1000sqft	2,555.00	10,000.00	0
User Defined Industrial	1.00	User Defined Unit	0.00	1.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	55
<b>Climate Zone</b>	3			<b>Operational Year</b>	2025
<b>Utility Company</b>	Sacramento Municipal Utility District				
<b>CO2 Intensity (lb/MWhr)</b>	357.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - Operational year 2025.

Land Use - 2,555 acers based on total development area.

Construction Phase - Construction phasing information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant. Off-Highway Trucks include 3 water trucks and 3 dump trucks.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Trips and VMT - Construction trip information is based on data provided by the project applicant.

On-road Fugitive Dust -

Grading - 250,000 cubic yards of export

Vehicle Trips - no mobile

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating -

Energy Use - construction only.

Water And Wastewater - no water use

Solid Waste - no solid waste

Construction Off-road Equipment Mitigation - Included watering 3x daily, unpaved road stabilization and vehicle speed reduction as Enhanced Fugitive PM dust control control in practices as recommended by the SMAQMD

Fleet Mix - CalEEMod defaults.

Stationary Sources - Emergency Generators and Fire Pumps - NA

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblEnergyUse	LightingElect	3.22	0.00
tblEnergyUse	NT24E	5.13	0.00
tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	0.93	0.00
tblEnergyUse	T24NG	16.86	0.00
tblGrading	AcresOfGrading	0.00	550.00
tblGrading	MaterialExported	0.00	250,000.00
tblLandscapeEquipment	NumberSummerDays	180	250
tblLandUse	LandUseSquareFeet	0.00	1.00
tblLandUse	LotAcreage	0.23	2,555.00
tblOffRoadEquipment	HorsePower	85.00	950.00

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblOffRoadEquipment	HorsePower	158.00	172.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	300.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	200.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	168.00	350.00
tblOffRoadEquipment	HorsePower	168.00	160.00
tblOffRoadEquipment	HorsePower	168.00	790.00
tblOffRoadEquipment	HorsePower	168.00	755.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblRoadDust	CARB_PM_VMT	False	True
tblSolidWaste	SolidWasteGenerationRate	9.40	0.00
tblTripsAndVMT	HaulingTripLength	20.00	34.80
tblTripsAndVMT	HaulingTripLength	20.00	34.80
tblTripsAndVMT	HaulingTripLength	20.00	34.80
tblTripsAndVMT	HaulingTripLength	20.00	34.80
tblTripsAndVMT	HaulingTripLength	20.00	34.80
tblTripsAndVMT	HaulingTripLength	20.00	34.80
tblTripsAndVMT	HaulingTripLength	20.00	34.80
tblTripsAndVMT	HaulingTripLength	20.00	34.80
tblTripsAndVMT	HaulingTripNumber	31,250.00	938.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	HaulingTripNumber	0.00	20.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	HaulingTripNumber	0.00	26.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	HaulingTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripLength	9.00	0.00
tblTripsAndVMT	VendorTripLength	9.00	0.00

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tbITripsAndVMT	VendorTripLength	9.00	0.00
tbITripsAndVMT	VendorTripLength	9.00	0.00
tbITripsAndVMT	VendorTripLength	9.00	0.00
tbITripsAndVMT	VendorTripLength	9.00	0.00
tbITripsAndVMT	VendorTripLength	9.00	0.00
tbITripsAndVMT	VendorTripLength	9.00	0.00
tbITripsAndVMT	VendorTripLength	9.00	0.00
tbITripsAndVMT	VendorTripNumber	0.00	16.00
tbITripsAndVMT	VendorTripNumber	0.00	16.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	VendorTripNumber	2.00	4.00
tbITripsAndVMT	VendorTripNumber	0.00	2.00
tbITripsAndVMT	VendorTripNumber	2.00	40.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripNumber	0.00	50.00
tbITripsAndVMT	WorkerTripNumber	0.00	74.00
tbITripsAndVMT	WorkerTripNumber	0.00	30.00
tbITripsAndVMT	WorkerTripNumber	4.00	100.00
tbITripsAndVMT	WorkerTripNumber	0.00	100.00
tbITripsAndVMT	WorkerTripNumber	4.00	476.00
tbITripsAndVMT	WorkerTripNumber	0.00	16.00



CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblTripsAndVMT	WorkerTripNumber	0.00	26.00
tblVehicleTrips	CC_TL	8.00	5.00
tblVehicleTrips	CC_TL	8.00	5.00
tblVehicleTrips	CNW_TL	9.00	6.50
tblVehicleTrips	CNW_TL	9.00	6.50
tblVehicleTrips	CW_TL	15.00	10.00
tblVehicleTrips	CW_TL	15.00	10.00
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaDigestCogenCombDigestGasPercent	0.00	85.00
tblWater	AnaDigestCogenCombDigestGasPercent	0.00	85.00
tblWater	AnaDigestCombDigestGasPercent	100.00	15.00
tblWater	AnaDigestCombDigestGasPercent	100.00	15.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	2,312,500.00	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

**2.0 Emissions Summary**

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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					
2024	0.8339	2.2524	5.7081	7.1200e-003	2.9285	0.0131	2.9415	0.3476	0.0124	0.3599	0.0000	746.2916	746.2916	0.1108	0.1435	791.8081
2025	0.7524	2.1296	5.3577	6.7700e-003	2.9254	0.0126	2.9380	0.3467	0.0119	0.3586	0.0000	709.2671	709.2671	0.0998	0.1355	752.1561
<b>Maximum</b>	<b>0.8339</b>	<b>2.2524</b>	<b>5.7081</b>	<b>7.1200e-003</b>	<b>2.9285</b>	<b>0.0131</b>	<b>2.9415</b>	<b>0.3476</b>	<b>0.0124</b>	<b>0.3599</b>	<b>0.0000</b>	<b>746.2916</b>	<b>746.2916</b>	<b>0.1108</b>	<b>0.1435</b>	<b>791.8081</b>

**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					
2024	0.8339	2.2524	5.7081	7.1200e-003	1.2328	0.0131	1.2459	0.1611	0.0124	0.1735	0.0000	746.2916	746.2916	0.1108	0.1435	791.8081
2025	0.7524	2.1296	5.3577	6.7700e-003	1.2298	0.0126	1.2423	0.1602	0.0119	0.1721	0.0000	709.2671	709.2671	0.0998	0.1355	752.1561
<b>Maximum</b>	<b>0.8339</b>	<b>2.2524</b>	<b>5.7081</b>	<b>7.1200e-003</b>	<b>1.2328</b>	<b>0.0131</b>	<b>1.2459</b>	<b>0.1611</b>	<b>0.0124</b>	<b>0.1735</b>	<b>0.0000</b>	<b>746.2916</b>	<b>746.2916</b>	<b>0.1108</b>	<b>0.1435</b>	<b>791.8081</b>

## CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	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	57.93	0.00	57.68	53.72	0.00	51.91	0.00	0.00	0.00	0.00	0.00	0.00

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.2300	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
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
<b>Total</b>	<b>0.2300</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>2.4100e-003</b>	<b>2.4100e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>2.5600e-003</b>

**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	0.2300	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
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
<b>Total</b>	<b>0.2300</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>2.4100e-003</b>	<b>2.4100e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>2.5600e-003</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	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	3/1/2024	1/2/2025	5	220	
2	Perimeter Fence Installation	Site Preparation	3/1/2024	5/30/2024	5	65	
3	Tree Removal	Site Preparation	3/1/2024	6/4/2024	5	68	
4	Energy Storage System	Building Construction	8/1/2024	6/18/2025	5	230	
5	Underground Work (Utilities)	Trenching	9/1/2024	1/31/2025	5	110	
6	System Installation	Building Construction	9/25/2024	7/1/2025	5	200	
7	Gen-Tie Construction	Trenching	10/1/2024	10/30/2024	5	22	
8	Testing, Commissioning, Site Clean Up	Trenching	6/1/2025	8/27/2025	5	63	

**Acres of Grading (Site Preparation Phase): 550**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Off-Highway Trucks	0	8.00	402	0.38
Site Preparation	Rollers	0	8.00	80	0.38

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Scrapers	0	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Perimeter Fence Installation	Off-Highway Trucks	0	8.00	150	0.38
Perimeter Fence Installation	Rough Terrain Forklifts	0	8.00	100	0.40
Perimeter Fence Installation	Rubber Tired Dozers	0	0.00	247	0.40
Perimeter Fence Installation	Skid Steer Loaders	0	8.00	65	0.37
Perimeter Fence Installation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Tree Removal	Crushing/Proc. Equipment	0	8.00	950	0.78
Tree Removal	Excavators	0	8.00	172	0.38
Tree Removal	Other Material Handling Equipment	0	8.00	350	0.40
Tree Removal	Other Material Handling Equipment	0	8.00	160	0.40
Tree Removal	Other Material Handling Equipment	0	8.00	790	0.40
Tree Removal	Other Material Handling Equipment	0	8.00	755	0.40
Tree Removal	Rubber Tired Dozers	0	8.00	247	0.40
Tree Removal	Skid Steer Loaders	0	8.00	65	0.37
Tree Removal	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Energy Storage System	Cranes	0	8.00	231	0.29
Energy Storage System	Forklifts	0	0.00	89	0.20
Energy Storage System	Generator Sets	0	0.00	84	0.74
Energy Storage System	Graders	0	8.00	187	0.41
Energy Storage System	Off-Highway Trucks	0	8.00	150	0.38
Energy Storage System	Rough Terrain Forklifts	0	8.00	100	0.40
Energy Storage System	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Energy Storage System	Welders	0	0.00	46	0.45
Underground Work (Utilities)	Cranes	0	0.00	231	0.29
Underground Work (Utilities)	Excavators	0	8.00	158	0.38
Underground Work (Utilities)	Off-Highway Trucks	0	8.00	300	0.38
Underground Work (Utilities)	Other Construction Equipment	0	8.00	172	0.42

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Underground Work (Utilities)	Rollers	0	8.00	80	0.38
Underground Work (Utilities)	Rough Terrain Forklifts	0	8.00	100	0.40
System Installation	Cranes	0	8.00	231	0.29
System Installation	Forklifts	0	0.00	89	0.20
System Installation	Generator Sets	0	8.00	84	0.74
System Installation	Off-Highway Trucks	0	8.00	150	0.38
System Installation	Other Construction Equipment	0	8.00	172	0.42
System Installation	Rough Terrain Forklifts	0	8.00	100	0.40
System Installation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
System Installation	Welders	0	0.00	46	0.45
Gen-Tie Construction	Off-Highway Trucks	0	8.00	200	0.38
Testing, Commissioning, Site Clean Up	Graders	0	8.00	187	0.41
Testing, Commissioning, Site Clean Up	Off-Highway Trucks	0	8.00	150	0.38
Testing, Commissioning, Site Clean Up	Skid Steer Loaders	0	8.00	65	0.37

**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	0	50.00	16.00	938.00	0.00	0.00	34.80	LD_Mix	HDT_Mix	HHDT
Perimeter Fence Installation	0	74.00	16.00	2.00	0.00	0.00	34.80	LD_Mix	HDT_Mix	HHDT
Tree Removal	0	30.00	4.00	0.00	0.00	0.00	34.80	LD_Mix	HDT_Mix	HHDT
Energy Storage System	0	100.00	4.00	20.00	0.00	0.00	34.80	LD_Mix	HDT_Mix	HHDT
Underground Work (Utilities)	0	100.00	2.00	2.00	0.00	0.00	34.80	LD_Mix	HDT_Mix	HHDT
System Installation	0	476.00	40.00	26.00	0.00	0.00	34.80	LD_Mix	HDT_Mix	HHDT
Gen-Tie Construction	0	16.00	4.00	2.00	0.00	0.00	34.80	LD_Mix	HDT_Mix	HHDT
Testing, Commissioning, Site Clean Up	0	26.00	4.00	8.00	0.00	0.00	34.80	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

**3.2 Site Preparation - 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					
Fugitive Dust					2.7798	0.0000	2.7798	0.3057	0.0000	0.3057			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.7798</b>	<b>0.0000</b>	<b>2.7798</b>	<b>0.3057</b>	<b>0.0000</b>	<b>0.3057</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>



CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2024**

**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	0.0124	0.8906	0.1515	4.2700e-003	0.1297	8.6000e-003	0.1383	0.0356	8.2300e-003	0.0438		451.9481	451.9481	6.9000e-004	0.0710	473.1328
Vendor	9.9000e-003	0.2175	0.1630	2.7000e-004	4.2000e-004	1.2000e-004	5.4000e-004	1.7000e-004	1.1000e-004	2.8000e-004		29.0726	29.0726	5.4000e-004	4.5900e-003	30.4537
Worker	0.0525	0.0267	0.3284	9.0000e-005	4.9000e-004	2.2000e-004	7.2000e-004	2.0000e-004	2.0000e-004	4.0000e-004		9.4244	9.4244	7.2700e-003	3.2400e-003	10.5709
<b>Total</b>	<b>0.0749</b>	<b>1.1348</b>	<b>0.6428</b>	<b>4.6300e-003</b>	<b>0.1306</b>	<b>8.9400e-003</b>	<b>0.1396</b>	<b>0.0359</b>	<b>8.5400e-003</b>	<b>0.0445</b>		<b>490.4451</b>	<b>490.4451</b>	<b>8.5000e-003</b>	<b>0.0789</b>	<b>514.1574</b>

**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					1.0841	0.0000	1.0841	0.1192	0.0000	0.1192			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0841</b>	<b>0.0000</b>	<b>1.0841</b>	<b>0.1192</b>	<b>0.0000</b>	<b>0.1192</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2024**

**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	0.0124	0.8906	0.1515	4.2700e-003	0.1297	8.6000e-003	0.1383	0.0356	8.2300e-003	0.0438		451.9481	451.9481	6.9000e-004	0.0710	473.1328
Vendor	9.9000e-003	0.2175	0.1630	2.7000e-004	4.2000e-004	1.2000e-004	5.4000e-004	1.7000e-004	1.1000e-004	2.8000e-004		29.0726	29.0726	5.4000e-004	4.5900e-003	30.4537
Worker	0.0525	0.0267	0.3284	9.0000e-005	4.9000e-004	2.2000e-004	7.2000e-004	2.0000e-004	2.0000e-004	4.0000e-004		9.4244	9.4244	7.2700e-003	3.2400e-003	10.5709
<b>Total</b>	<b>0.0749</b>	<b>1.1348</b>	<b>0.6428</b>	<b>4.6300e-003</b>	<b>0.1306</b>	<b>8.9400e-003</b>	<b>0.1396</b>	<b>0.0359</b>	<b>8.5400e-003</b>	<b>0.0445</b>		<b>490.4451</b>	<b>490.4451</b>	<b>8.5000e-003</b>	<b>0.0789</b>	<b>514.1574</b>

**3.2 Site Preparation - 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					
Fugitive Dust					2.7798	0.0000	2.7798	0.3057	0.0000	0.3057			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.7798</b>	<b>0.0000</b>	<b>2.7798</b>	<b>0.3057</b>	<b>0.0000</b>	<b>0.3057</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2025**

**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	0.0123	0.8814	0.1508	4.1800e-003	0.1297	8.5400e-003	0.1382	0.0356	8.1700e-003	0.0437		442.4305	442.4305	6.7000e-004	0.0695	463.1686
Vendor	9.7700e-003	0.2166	0.1610	2.7000e-004	4.2000e-004	1.2000e-004	5.4000e-004	1.7000e-004	1.1000e-004	2.8000e-004		28.4427	28.4427	5.3000e-004	4.4900e-003	29.7938
Worker	0.0483	0.0248	0.3151	9.0000e-005	4.9000e-004	2.1000e-004	7.1000e-004	2.0000e-004	2.0000e-004	3.9000e-004		9.1062	9.1062	6.6900e-003	3.0800e-003	10.1924
<b>Total</b>	<b>0.0704</b>	<b>1.1228</b>	<b>0.6269</b>	<b>4.5400e-003</b>	<b>0.1306</b>	<b>8.8700e-003</b>	<b>0.1395</b>	<b>0.0359</b>	<b>8.4800e-003</b>	<b>0.0444</b>		<b>479.9793</b>	<b>479.9793</b>	<b>7.8900e-003</b>	<b>0.0771</b>	<b>503.1547</b>

**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					1.0841	0.0000	1.0841	0.1192	0.0000	0.1192			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0841</b>	<b>0.0000</b>	<b>1.0841</b>	<b>0.1192</b>	<b>0.0000</b>	<b>0.1192</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2025**

**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	0.0123	0.8814	0.1508	4.1800e-003	0.1297	8.5400e-003	0.1382	0.0356	8.1700e-003	0.0437		442.4305	442.4305	6.7000e-004	0.0695	463.1686
Vendor	9.7700e-003	0.2166	0.1610	2.7000e-004	4.2000e-004	1.2000e-004	5.4000e-004	1.7000e-004	1.1000e-004	2.8000e-004		28.4427	28.4427	5.3000e-004	4.4900e-003	29.7938
Worker	0.0483	0.0248	0.3151	9.0000e-005	4.9000e-004	2.1000e-004	7.1000e-004	2.0000e-004	2.0000e-004	3.9000e-004		9.1062	9.1062	6.6900e-003	3.0800e-003	10.1924
<b>Total</b>	<b>0.0704</b>	<b>1.1228</b>	<b>0.6269</b>	<b>4.5400e-003</b>	<b>0.1306</b>	<b>8.8700e-003</b>	<b>0.1395</b>	<b>0.0359</b>	<b>8.4800e-003</b>	<b>0.0444</b>		<b>479.9793</b>	<b>479.9793</b>	<b>7.8900e-003</b>	<b>0.0771</b>	<b>503.1547</b>

**3.3 Perimeter Fence Installation - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Perimeter Fence Installation - 2024**

**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	9.0000e-005	6.4300e-003	1.0900e-003	3.0000e-005	9.4000e-004	6.0000e-005	1.0000e-003	2.6000e-004	6.0000e-005	3.2000e-004		3.2616	3.2616	1.0000e-005	5.1000e-004	3.4144
Vendor	9.9000e-003	0.2175	0.1630	2.7000e-004	4.2000e-004	1.2000e-004	5.4000e-004	1.7000e-004	1.1000e-004	2.8000e-004		29.0726	29.0726	5.4000e-004	4.5900e-003	30.4537
Worker	0.0778	0.0396	0.4860	1.4000e-004	7.3000e-004	3.3000e-004	1.0600e-003	2.9000e-004	3.0000e-004	5.9000e-004		13.9481	13.9481	0.0108	4.7900e-003	15.6450
<b>Total</b>	<b>0.0878</b>	<b>0.2635</b>	<b>0.6500</b>	<b>4.4000e-004</b>	<b>2.0900e-003</b>	<b>5.1000e-004</b>	<b>2.6000e-003</b>	<b>7.2000e-004</b>	<b>4.7000e-004</b>	<b>1.1900e-003</b>		<b>46.2822</b>	<b>46.2822</b>	<b>0.0113</b>	<b>9.8900e-003</b>	<b>49.5131</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Perimeter Fence Installation - 2024**

**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	9.0000e-005	6.4300e-003	1.0900e-003	3.0000e-005	9.4000e-004	6.0000e-005	1.0000e-003	2.6000e-004	6.0000e-005	3.2000e-004		3.2616	3.2616	1.0000e-005	5.1000e-004	3.4144
Vendor	9.9000e-003	0.2175	0.1630	2.7000e-004	4.2000e-004	1.2000e-004	5.4000e-004	1.7000e-004	1.1000e-004	2.8000e-004		29.0726	29.0726	5.4000e-004	4.5900e-003	30.4537
Worker	0.0778	0.0396	0.4860	1.4000e-004	7.3000e-004	3.3000e-004	1.0600e-003	2.9000e-004	3.0000e-004	5.9000e-004		13.9481	13.9481	0.0108	4.7900e-003	15.6450
<b>Total</b>	<b>0.0878</b>	<b>0.2635</b>	<b>0.6500</b>	<b>4.4000e-004</b>	<b>2.0900e-003</b>	<b>5.1000e-004</b>	<b>2.6000e-003</b>	<b>7.2000e-004</b>	<b>4.7000e-004</b>	<b>1.1900e-003</b>		<b>46.2822</b>	<b>46.2822</b>	<b>0.0113</b>	<b>9.8900e-003</b>	<b>49.5131</b>

**3.4 Tree Removal - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Tree Removal - 2024**

**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	2.4700e-003	0.0544	0.0407	7.0000e-005	1.1000e-004	3.0000e-005	1.4000e-004	4.0000e-005	3.0000e-005	7.0000e-005		7.2682	7.2682	1.3000e-004	1.1500e-003	7.6134
Worker	0.0315	0.0160	0.1970	6.0000e-005	3.0000e-004	1.3000e-004	4.3000e-004	1.2000e-004	1.2000e-004	2.4000e-004		5.6546	5.6546	4.3600e-003	1.9400e-003	6.3426
<b>Total</b>	<b>0.0340</b>	<b>0.0704</b>	<b>0.2378</b>	<b>1.3000e-004</b>	<b>4.1000e-004</b>	<b>1.6000e-004</b>	<b>5.7000e-004</b>	<b>1.6000e-004</b>	<b>1.5000e-004</b>	<b>3.1000e-004</b>		<b>12.9228</b>	<b>12.9228</b>	<b>4.4900e-003</b>	<b>3.0900e-003</b>	<b>13.9560</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Tree Removal - 2024**

**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	2.4700e-003	0.0544	0.0407	7.0000e-005	1.1000e-004	3.0000e-005	1.4000e-004	4.0000e-005	3.0000e-005	7.0000e-005		7.2682	7.2682	1.3000e-004	1.1500e-003	7.6134
Worker	0.0315	0.0160	0.1970	6.0000e-005	3.0000e-004	1.3000e-004	4.3000e-004	1.2000e-004	1.2000e-004	2.4000e-004		5.6546	5.6546	4.3600e-003	1.9400e-003	6.3426
<b>Total</b>	<b>0.0340</b>	<b>0.0704</b>	<b>0.2378</b>	<b>1.3000e-004</b>	<b>4.1000e-004</b>	<b>1.6000e-004</b>	<b>5.7000e-004</b>	<b>1.6000e-004</b>	<b>1.5000e-004</b>	<b>3.1000e-004</b>		<b>12.9228</b>	<b>12.9228</b>	<b>4.4900e-003</b>	<b>3.0900e-003</b>	<b>13.9560</b>

**3.5 Energy Storage System - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>



CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2024**

**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	2.5000e-004	0.0182	3.0900e-003	9.0000e-005	2.6500e-003	1.8000e-004	2.8200e-003	7.3000e-004	1.7000e-004	8.9000e-004		9.2175	9.2175	1.0000e-005	1.4500e-003	9.6495
Vendor	2.4700e-003	0.0544	0.0407	7.0000e-005	1.1000e-004	3.0000e-005	1.4000e-004	4.0000e-005	3.0000e-005	7.0000e-005		7.2682	7.2682	1.3000e-004	1.1500e-003	7.6134
Worker	0.1051	0.0535	0.6567	1.9000e-004	9.9000e-004	4.4000e-004	1.4300e-003	3.9000e-004	4.1000e-004	8.0000e-004		18.8488	18.8488	0.0145	6.4800e-003	21.1419
<b>Total</b>	<b>0.1078</b>	<b>0.1260</b>	<b>0.7006</b>	<b>3.5000e-004</b>	<b>3.7500e-003</b>	<b>6.5000e-004</b>	<b>4.3900e-003</b>	<b>1.1600e-003</b>	<b>6.1000e-004</b>	<b>1.7600e-003</b>		<b>35.3344</b>	<b>35.3344</b>	<b>0.0147</b>	<b>9.0800e-003</b>	<b>38.4048</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2024**

**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	2.5000e-004	0.0182	3.0900e-003	9.0000e-005	2.6500e-003	1.8000e-004	2.8200e-003	7.3000e-004	1.7000e-004	8.9000e-004		9.2175	9.2175	1.0000e-005	1.4500e-003	9.6495
Vendor	2.4700e-003	0.0544	0.0407	7.0000e-005	1.1000e-004	3.0000e-005	1.4000e-004	4.0000e-005	3.0000e-005	7.0000e-005		7.2682	7.2682	1.3000e-004	1.1500e-003	7.6134
Worker	0.1051	0.0535	0.6567	1.9000e-004	9.9000e-004	4.4000e-004	1.4300e-003	3.9000e-004	4.1000e-004	8.0000e-004		18.8488	18.8488	0.0145	6.4800e-003	21.1419
<b>Total</b>	<b>0.1078</b>	<b>0.1260</b>	<b>0.7006</b>	<b>3.5000e-004</b>	<b>3.7500e-003</b>	<b>6.5000e-004</b>	<b>4.3900e-003</b>	<b>1.1600e-003</b>	<b>6.1000e-004</b>	<b>1.7600e-003</b>		<b>35.3344</b>	<b>35.3344</b>	<b>0.0147</b>	<b>9.0800e-003</b>	<b>38.4048</b>

**3.5 Energy Storage System - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2025**

**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	2.5000e-004	0.0180	3.0800e-003	9.0000e-005	2.6500e-003	1.7000e-004	2.8200e-003	7.2000e-004	1.7000e-004	8.9000e-004		9.0233	9.0233	1.0000e-005	1.4200e-003	9.4463
Vendor	2.4400e-003	0.0542	0.0403	7.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	3.0000e-005	7.0000e-005		7.1107	7.1107	1.3000e-004	1.1200e-003	7.4485
Worker	0.0966	0.0496	0.6301	1.8000e-004	9.9000e-004	4.2000e-004	1.4100e-003	3.9000e-004	3.9000e-004	7.8000e-004		18.2123	18.2123	0.0134	6.1700e-003	20.3847
<b>Total</b>	<b>0.0993</b>	<b>0.1218</b>	<b>0.6735</b>	<b>3.4000e-004</b>	<b>3.7500e-003</b>	<b>6.2000e-004</b>	<b>4.3600e-003</b>	<b>1.1500e-003</b>	<b>5.9000e-004</b>	<b>1.7400e-003</b>		<b>34.3463</b>	<b>34.3463</b>	<b>0.0135</b>	<b>8.7100e-003</b>	<b>37.2794</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2025**

**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	2.5000e-004	0.0180	3.0800e-003	9.0000e-005	2.6500e-003	1.7000e-004	2.8200e-003	7.2000e-004	1.7000e-004	8.9000e-004		9.0233	9.0233	1.0000e-005	1.4200e-003	9.4463
Vendor	2.4400e-003	0.0542	0.0403	7.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	3.0000e-005	7.0000e-005		7.1107	7.1107	1.3000e-004	1.1200e-003	7.4485
Worker	0.0966	0.0496	0.6301	1.8000e-004	9.9000e-004	4.2000e-004	1.4100e-003	3.9000e-004	3.9000e-004	7.8000e-004		18.2123	18.2123	0.0134	6.1700e-003	20.3847
<b>Total</b>	<b>0.0993</b>	<b>0.1218</b>	<b>0.6735</b>	<b>3.4000e-004</b>	<b>3.7500e-003</b>	<b>6.2000e-004</b>	<b>4.3600e-003</b>	<b>1.1500e-003</b>	<b>5.9000e-004</b>	<b>1.7400e-003</b>		<b>34.3463</b>	<b>34.3463</b>	<b>0.0135</b>	<b>8.7100e-003</b>	<b>37.2794</b>

**3.6 Underground Work (Utilities) - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2024**

**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	5.0000e-005	3.8000e-003	6.5000e-004	2.0000e-005	5.5000e-004	4.0000e-005	5.9000e-004	1.5000e-004	4.0000e-005	1.9000e-004		1.9273	1.9273	0.0000	3.0000e-004	2.0176
Vendor	1.2400e-003	0.0272	0.0204	3.0000e-005	5.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	4.0000e-005		3.6341	3.6341	7.0000e-005	5.7000e-004	3.8067
Worker	0.1051	0.0535	0.6567	1.9000e-004	9.9000e-004	4.4000e-004	1.4300e-003	3.9000e-004	4.1000e-004	8.0000e-004		18.8488	18.8488	0.0145	6.4800e-003	21.1419
<b>Total</b>	<b>0.1064</b>	<b>0.0845</b>	<b>0.6777</b>	<b>2.4000e-004</b>	<b>1.5900e-003</b>	<b>4.9000e-004</b>	<b>2.0900e-003</b>	<b>5.6000e-004</b>	<b>4.6000e-004</b>	<b>1.0300e-003</b>		<b>24.4101</b>	<b>24.4101</b>	<b>0.0146</b>	<b>7.3500e-003</b>	<b>26.9662</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2024**

**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	5.0000e-005	3.8000e-003	6.5000e-004	2.0000e-005	5.5000e-004	4.0000e-005	5.9000e-004	1.5000e-004	4.0000e-005	1.9000e-004		1.9273	1.9273	0.0000	3.0000e-004	2.0176
Vendor	1.2400e-003	0.0272	0.0204	3.0000e-005	5.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	4.0000e-005		3.6341	3.6341	7.0000e-005	5.7000e-004	3.8067
Worker	0.1051	0.0535	0.6567	1.9000e-004	9.9000e-004	4.4000e-004	1.4300e-003	3.9000e-004	4.1000e-004	8.0000e-004		18.8488	18.8488	0.0145	6.4800e-003	21.1419
<b>Total</b>	<b>0.1064</b>	<b>0.0845</b>	<b>0.6777</b>	<b>2.4000e-004</b>	<b>1.5900e-003</b>	<b>4.9000e-004</b>	<b>2.0900e-003</b>	<b>5.6000e-004</b>	<b>4.6000e-004</b>	<b>1.0300e-003</b>		<b>24.4101</b>	<b>24.4101</b>	<b>0.0146</b>	<b>7.3500e-003</b>	<b>26.9662</b>

**3.6 Underground Work (Utilities) - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2025**

**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	5.0000e-005	3.7600e-003	6.4000e-004	2.0000e-005	5.5000e-004	4.0000e-005	5.9000e-004	1.5000e-004	3.0000e-005	1.9000e-004		1.8867	1.8867	0.0000	3.0000e-004	1.9751
Vendor	1.2200e-003	0.0271	0.0201	3.0000e-005	5.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005		3.5553	3.5553	7.0000e-005	5.6000e-004	3.7242
Worker	0.0966	0.0496	0.6301	1.8000e-004	9.9000e-004	4.2000e-004	1.4100e-003	3.9000e-004	3.9000e-004	7.8000e-004		18.2123	18.2123	0.0134	6.1700e-003	20.3847
<b>Total</b>	<b>0.0979</b>	<b>0.0805</b>	<b>0.6509</b>	<b>2.3000e-004</b>	<b>1.5900e-003</b>	<b>4.7000e-004</b>	<b>2.0700e-003</b>	<b>5.6000e-004</b>	<b>4.3000e-004</b>	<b>1.0000e-003</b>		<b>23.6543</b>	<b>23.6543</b>	<b>0.0134</b>	<b>7.0300e-003</b>	<b>26.0841</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2025**

**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	5.0000e-005	3.7600e-003	6.4000e-004	2.0000e-005	5.5000e-004	4.0000e-005	5.9000e-004	1.5000e-004	3.0000e-005	1.9000e-004		1.8867	1.8867	0.0000	3.0000e-004	1.9751
Vendor	1.2200e-003	0.0271	0.0201	3.0000e-005	5.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005		3.5553	3.5553	7.0000e-005	5.6000e-004	3.7242
Worker	0.0966	0.0496	0.6301	1.8000e-004	9.9000e-004	4.2000e-004	1.4100e-003	3.9000e-004	3.9000e-004	7.8000e-004		18.2123	18.2123	0.0134	6.1700e-003	20.3847
<b>Total</b>	<b>0.0979</b>	<b>0.0805</b>	<b>0.6509</b>	<b>2.3000e-004</b>	<b>1.5900e-003</b>	<b>4.7000e-004</b>	<b>2.0700e-003</b>	<b>5.6000e-004</b>	<b>4.3000e-004</b>	<b>1.0000e-003</b>		<b>23.6543</b>	<b>23.6543</b>	<b>0.0134</b>	<b>7.0300e-003</b>	<b>26.0841</b>

**3.7 System Installation - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>



CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2024**

**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	3.8000e-004	0.0272	4.6200e-003	1.3000e-004	3.9600e-003	2.6000e-004	4.2200e-003	1.0800e-003	2.5000e-004	1.3300e-003		13.7801	13.7801	2.0000e-005	2.1700e-003	14.4260
Vendor	0.0248	0.5437	0.4074	6.9000e-004	1.0500e-003	3.0000e-004	1.3500e-003	4.1000e-004	2.9000e-004	7.0000e-004		72.6815	72.6815	1.3400e-003	0.0115	76.1342
Worker	0.5002	0.2545	3.1260	8.9000e-004	4.7000e-003	2.1100e-003	6.8100e-003	1.8600e-003	1.9400e-003	3.8000e-003		89.7201	89.7201	0.0692	0.0308	100.6352
<b>Total</b>	<b>0.5253</b>	<b>0.8253</b>	<b>3.5380</b>	<b>1.7100e-003</b>	<b>9.7100e-003</b>	<b>2.6700e-003</b>	<b>0.0124</b>	<b>3.3500e-003</b>	<b>2.4800e-003</b>	<b>5.8300e-003</b>		<b>176.1817</b>	<b>176.1817</b>	<b>0.0705</b>	<b>0.0445</b>	<b>191.1955</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2024**

**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	3.8000e-004	0.0272	4.6200e-003	1.3000e-004	3.9600e-003	2.6000e-004	4.2200e-003	1.0800e-003	2.5000e-004	1.3300e-003		13.7801	13.7801	2.0000e-005	2.1700e-003	14.4260
Vendor	0.0248	0.5437	0.4074	6.9000e-004	1.0500e-003	3.0000e-004	1.3500e-003	4.1000e-004	2.9000e-004	7.0000e-004		72.6815	72.6815	1.3400e-003	0.0115	76.1342
Worker	0.5002	0.2545	3.1260	8.9000e-004	4.7000e-003	2.1100e-003	6.8100e-003	1.8600e-003	1.9400e-003	3.8000e-003		89.7201	89.7201	0.0692	0.0308	100.6352
<b>Total</b>	<b>0.5253</b>	<b>0.8253</b>	<b>3.5380</b>	<b>1.7100e-003</b>	<b>9.7100e-003</b>	<b>2.6700e-003</b>	<b>0.0124</b>	<b>3.3500e-003</b>	<b>2.4800e-003</b>	<b>5.8300e-003</b>		<b>176.1817</b>	<b>176.1817</b>	<b>0.0705</b>	<b>0.0445</b>	<b>191.1955</b>

**3.7 System Installation - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2025**

**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	3.8000e-004	0.0269	4.6000e-003	1.3000e-004	3.9500e-003	2.6000e-004	4.2200e-003	1.0800e-003	2.5000e-004	1.3300e-003		13.4899	13.4899	2.0000e-005	2.1200e-003	14.1222
Vendor	0.0244	0.5416	0.4025	6.7000e-004	1.0500e-003	2.9000e-004	1.3500e-003	4.1000e-004	2.8000e-004	7.0000e-004		71.1067	71.1067	1.3200e-003	0.0112	74.4845
Worker	0.4600	0.2362	2.9994	8.6000e-004	4.7000e-003	2.0200e-003	6.7200e-003	1.8600e-003	1.8600e-003	3.7200e-003		86.6905	86.6905	0.0637	0.0294	97.0312
<b>Total</b>	<b>0.4848</b>	<b>0.8046</b>	<b>3.4065</b>	<b>1.6600e-003</b>	<b>9.7000e-003</b>	<b>2.5700e-003</b>	<b>0.0123</b>	<b>3.3500e-003</b>	<b>2.3900e-003</b>	<b>5.7500e-003</b>		<b>171.2871</b>	<b>171.2871</b>	<b>0.0650</b>	<b>0.0427</b>	<b>185.6379</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2025**

**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	3.8000e-004	0.0269	4.6000e-003	1.3000e-004	3.9500e-003	2.6000e-004	4.2200e-003	1.0800e-003	2.5000e-004	1.3300e-003		13.4899	13.4899	2.0000e-005	2.1200e-003	14.1222
Vendor	0.0244	0.5416	0.4025	6.7000e-004	1.0500e-003	2.9000e-004	1.3500e-003	4.1000e-004	2.8000e-004	7.0000e-004		71.1067	71.1067	1.3200e-003	0.0112	74.4845
Worker	0.4600	0.2362	2.9994	8.6000e-004	4.7000e-003	2.0200e-003	6.7200e-003	1.8600e-003	1.8600e-003	3.7200e-003		86.6905	86.6905	0.0637	0.0294	97.0312
<b>Total</b>	<b>0.4848</b>	<b>0.8046</b>	<b>3.4065</b>	<b>1.6600e-003</b>	<b>9.7000e-003</b>	<b>2.5700e-003</b>	<b>0.0123</b>	<b>3.3500e-003</b>	<b>2.3900e-003</b>	<b>5.7500e-003</b>		<b>171.2871</b>	<b>171.2871</b>	<b>0.0650</b>	<b>0.0427</b>	<b>185.6379</b>

**3.8 Gen-Tie 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.8 Gen-Tie Construction - 2024**

**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	2.6000e-004	0.0190	3.2300e-003	9.0000e-005	2.7700e-003	1.8000e-004	2.9500e-003	7.6000e-004	1.8000e-004	9.3000e-004		9.6364	9.6364	1.0000e-005	1.5100e-003	10.0881
Vendor	2.4700e-003	0.0544	0.0407	7.0000e-005	1.1000e-004	3.0000e-005	1.4000e-004	4.0000e-005	3.0000e-005	7.0000e-005		7.2682	7.2682	1.3000e-004	1.1500e-003	7.6134
Worker	0.0168	8.5500e-003	0.1051	3.0000e-005	1.6000e-004	7.0000e-005	2.3000e-004	6.0000e-005	7.0000e-005	1.3000e-004		3.0158	3.0158	2.3300e-003	1.0400e-003	3.3827
<b>Total</b>	<b>0.0195</b>	<b>0.0819</b>	<b>0.1490</b>	<b>1.9000e-004</b>	<b>3.0400e-003</b>	<b>2.8000e-004</b>	<b>3.3200e-003</b>	<b>8.6000e-004</b>	<b>2.8000e-004</b>	<b>1.1300e-003</b>		<b>19.9204</b>	<b>19.9204</b>	<b>2.4700e-003</b>	<b>3.7000e-003</b>	<b>21.0842</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.8 Gen-Tie Construction - 2024**

**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	2.6000e-004	0.0190	3.2300e-003	9.0000e-005	2.7700e-003	1.8000e-004	2.9500e-003	7.6000e-004	1.8000e-004	9.3000e-004		9.6364	9.6364	1.0000e-005	1.5100e-003	10.0881
Vendor	2.4700e-003	0.0544	0.0407	7.0000e-005	1.1000e-004	3.0000e-005	1.4000e-004	4.0000e-005	3.0000e-005	7.0000e-005		7.2682	7.2682	1.3000e-004	1.1500e-003	7.6134
Worker	0.0168	8.5500e-003	0.1051	3.0000e-005	1.6000e-004	7.0000e-005	2.3000e-004	6.0000e-005	7.0000e-005	1.3000e-004		3.0158	3.0158	2.3300e-003	1.0400e-003	3.3827
<b>Total</b>	<b>0.0195</b>	<b>0.0819</b>	<b>0.1490</b>	<b>1.9000e-004</b>	<b>3.0400e-003</b>	<b>2.8000e-004</b>	<b>3.3200e-003</b>	<b>8.6000e-004</b>	<b>2.8000e-004</b>	<b>1.1300e-003</b>		<b>19.9204</b>	<b>19.9204</b>	<b>2.4700e-003</b>	<b>3.7000e-003</b>	<b>21.0842</b>

**3.9 Testing, Commissioning, Site Clean Up - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.9 Testing, Commissioning, Site Clean Up - 2025**

**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	3.7000e-004	0.0263	4.4900e-003	1.2000e-004	3.8600e-003	2.5000e-004	4.1200e-003	1.0600e-003	2.4000e-004	1.3000e-003		13.1769	13.1769	2.0000e-005	2.0700e-003	13.7946
Vendor	2.4400e-003	0.0542	0.0403	7.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	3.0000e-005	7.0000e-005		7.1107	7.1107	1.3000e-004	1.1200e-003	7.4485
Worker	0.0251	0.0129	0.1638	5.0000e-005	2.6000e-004	1.1000e-004	3.7000e-004	1.0000e-004	1.0000e-004	2.0000e-004		4.7352	4.7352	3.4800e-003	1.6000e-003	5.3000
<b>Total</b>	<b>0.0279</b>	<b>0.0933</b>	<b>0.2086</b>	<b>2.4000e-004</b>	<b>4.2300e-003</b>	<b>3.9000e-004</b>	<b>4.6200e-003</b>	<b>1.2000e-003</b>	<b>3.7000e-004</b>	<b>1.5700e-003</b>		<b>25.0228</b>	<b>25.0228</b>	<b>3.6300e-003</b>	<b>4.7900e-003</b>	<b>26.5431</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.9 Testing, Commissioning, Site Clean Up - 2025**

**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	3.7000e-004	0.0263	4.4900e-003	1.2000e-004	3.8600e-003	2.5000e-004	4.1200e-003	1.0600e-003	2.4000e-004	1.3000e-003		13.1769	13.1769	2.0000e-005	2.0700e-003	13.7946
Vendor	2.4400e-003	0.0542	0.0403	7.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	3.0000e-005	7.0000e-005		7.1107	7.1107	1.3000e-004	1.1200e-003	7.4485
Worker	0.0251	0.0129	0.1638	5.0000e-005	2.6000e-004	1.1000e-004	3.7000e-004	1.0000e-004	1.0000e-004	2.0000e-004		4.7352	4.7352	3.4800e-003	1.6000e-003	5.3000
<b>Total</b>	<b>0.0279</b>	<b>0.0933</b>	<b>0.2086</b>	<b>2.4000e-004</b>	<b>4.2300e-003</b>	<b>3.9000e-004</b>	<b>4.6200e-003</b>	<b>1.2000e-003</b>	<b>3.7000e-004</b>	<b>1.5700e-003</b>		<b>25.0228</b>	<b>25.0228</b>	<b>3.6300e-003</b>	<b>4.7900e-003</b>	<b>26.5431</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
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

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
User Defined Industrial	0.00	0.00	0.00		
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		

**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
Unrefrigerated Warehouse-No Rail	10.00	5.00	6.50	59.00	0.00	41.00	100	0	0
User Defined Industrial	10.00	5.00	6.50	100.00	0.00	0.00	100	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.512350	0.056893	0.178530	0.139791	0.031559	0.007084	0.020535	0.017167	0.000579	0.000603	0.030442	0.000618	0.003849
User Defined Industrial	0.512350	0.056893	0.178530	0.139791	0.031559	0.007084	0.020535	0.017167	0.000579	0.000603	0.030442	0.000618	0.003849

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**5.0 Energy Detail**

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

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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					
Unrefrigerated Warehouse-No Rail	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
User Defined Industrial	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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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					
Unrefrigerated Warehouse-No Rail	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
User Defined Industrial	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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

CCAR Solar - BACT YSAQMD - Yolo/Solano AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.2300	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
Unmitigated	0.2300	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003

**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	0.0159					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2140					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-004	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
<b>Total</b>	<b>0.2300</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.4100e-003</b>	<b>2.4100e-003</b>	<b>1.0000e-005</b>		<b>2.5600e-003</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**6.2 Area by SubCategory**

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	0.0159					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2140					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-004	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
<b>Total</b>	<b>0.2300</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.4100e-003</b>	<b>2.4100e-003</b>	<b>1.0000e-005</b>		<b>2.5600e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**CCAR Solar - Mitigated BAAQMD  
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**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	10.00	1000sqft	2,555.00	10,000.00	0
User Defined Industrial	1.00	User Defined Unit	0.00	1.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	64
<b>Climate Zone</b>	3			<b>Operational Year</b>	2025
<b>Utility Company</b>	Sacramento Municipal Utility District				
<b>CO2 Intensity (lb/MWhr)</b>	357.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - Operational year 2023.

Land Use - 2,555 acers based on total development area.

Construction Phase - Construction phasing information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant. Off-Highway Trucks include 3 water trucks and 3 dump trucks.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.





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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblEnergyUse	LightingElect	3.22	0.00
tblEnergyUse	NT24E	5.13	0.00
tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	0.93	0.00
tblEnergyUse	T24NG	16.86	0.00
tblGrading	AcresOfGrading	0.00	550.00
tblGrading	MaterialExported	0.00	250,000.00
tblLandUse	LandUseSquareFeet	0.00	1.00
tblLandUse	LotAcreage	0.23	2,555.00
tblOffRoadEquipment	HorsePower	85.00	950.00
tblOffRoadEquipment	HorsePower	158.00	172.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	300.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	200.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	168.00	350.00
tblOffRoadEquipment	HorsePower	168.00	160.00
tblOffRoadEquipment	HorsePower	168.00	790.00
tblOffRoadEquipment	HorsePower	168.00	755.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblRoadDust	CARB_PM_VMT	False	True
tblSolidWaste	SolidWasteGenerationRate	9.40	0.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tbITripsAndVMT	HaulingTripLength	20.00	23.00
tbITripsAndVMT	HaulingTripLength	20.00	23.00
tbITripsAndVMT	HaulingTripLength	20.00	23.00
tbITripsAndVMT	HaulingTripNumber	31,250.00	938.00
tbITripsAndVMT	HaulingTripNumber	0.00	2.00
tbITripsAndVMT	HaulingTripNumber	0.00	20.00
tbITripsAndVMT	HaulingTripNumber	0.00	2.00
tbITripsAndVMT	HaulingTripNumber	0.00	26.00
tbITripsAndVMT	HaulingTripNumber	0.00	2.00
tbITripsAndVMT	HaulingTripNumber	0.00	8.00
tbITripsAndVMT	VendorTripLength	6.60	0.00
tbITripsAndVMT	VendorTripLength	6.60	0.00
tbITripsAndVMT	VendorTripLength	6.60	0.00
tbITripsAndVMT	VendorTripLength	6.60	0.00
tbITripsAndVMT	VendorTripLength	6.60	0.00
tbITripsAndVMT	VendorTripLength	6.60	0.00
tbITripsAndVMT	VendorTripLength	6.60	0.00
tbITripsAndVMT	VendorTripLength	6.60	0.00
tbITripsAndVMT	VendorTripLength	6.60	0.00
tbITripsAndVMT	VendorTripLength	6.60	0.00
tbITripsAndVMT	VendorTripNumber	0.00	16.00
tbITripsAndVMT	VendorTripNumber	0.00	16.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	VendorTripNumber	2.00	4.00
tbITripsAndVMT	VendorTripNumber	0.00	2.00
tbITripsAndVMT	VendorTripNumber	2.00	40.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	WorkerTripLength	10.80	0.00
tbITripsAndVMT	WorkerTripLength	10.80	0.00
tbITripsAndVMT	WorkerTripLength	10.80	0.00

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblTripsAndVMT	WorkerTripLength	10.80	0.00
tblTripsAndVMT	WorkerTripLength	10.80	0.00
tblTripsAndVMT	WorkerTripLength	10.80	0.00
tblTripsAndVMT	WorkerTripLength	10.80	0.00
tblTripsAndVMT	WorkerTripLength	10.80	0.00
tblTripsAndVMT	WorkerTripNumber	0.00	50.00
tblTripsAndVMT	WorkerTripNumber	0.00	74.00
tblTripsAndVMT	WorkerTripNumber	0.00	30.00
tblTripsAndVMT	WorkerTripNumber	4.00	100.00
tblTripsAndVMT	WorkerTripNumber	0.00	100.00
tblTripsAndVMT	WorkerTripNumber	4.00	476.00
tblTripsAndVMT	WorkerTripNumber	0.00	16.00
tblTripsAndVMT	WorkerTripNumber	0.00	26.00
tblVehicleTrips	CC_TL	6.60	5.00
tblVehicleTrips	CC_TL	6.60	5.00
tblVehicleTrips	CNW_TL	6.60	6.50
tblVehicleTrips	CNW_TL	6.60	6.50
tblVehicleTrips	CW_TL	14.70	10.00
tblVehicleTrips	CW_TL	14.70	10.00
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblWater	AnaDigestCogenCombDigestGasPercent	0.00	85.00
tblWater	AnaDigestCogenCombDigestGasPercent	0.00	85.00
tblWater	AnaDigestCombDigestGasPercent	100.00	15.00
tblWater	AnaDigestCombDigestGasPercent	100.00	15.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	2,312,500.00	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

**2.0 Emissions Summary**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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					
2024	0.0393	0.1367	0.2392	4.5000e-004	0.3155	7.9000e-004	0.3163	0.0364	7.5000e-004	0.0371	0.0000	43.6738	43.6738	5.0500e-003	7.8700e-003	46.1442
2025	0.0382	0.0541	0.2237	1.3000e-004	0.3067	2.1000e-004	0.3069	0.0339	2.0000e-004	0.0341	0.0000	11.8091	11.8091	4.0300e-003	2.8400e-003	12.7573
<b>Maximum</b>	<b>0.0393</b>	<b>0.1367</b>	<b>0.2392</b>	<b>4.5000e-004</b>	<b>0.3155</b>	<b>7.9000e-004</b>	<b>0.3163</b>	<b>0.0364</b>	<b>7.5000e-004</b>	<b>0.0371</b>	<b>0.0000</b>	<b>43.6738</b>	<b>43.6738</b>	<b>5.0500e-003</b>	<b>7.8700e-003</b>	<b>46.1442</b>

**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					
2024	0.0393	0.1367	0.2392	4.5000e-004	0.1230	7.9000e-004	0.1238	0.0152	7.5000e-004	0.0159	0.0000	43.6738	43.6738	5.0500e-003	7.8700e-003	46.1442
2025	0.0382	0.0541	0.2237	1.3000e-004	0.1142	2.1000e-004	0.1144	0.0128	2.0000e-004	0.0130	0.0000	11.8091	11.8091	4.0300e-003	2.8400e-003	12.7573
<b>Maximum</b>	<b>0.0393</b>	<b>0.1367</b>	<b>0.2392</b>	<b>4.5000e-004</b>	<b>0.1230</b>	<b>7.9000e-004</b>	<b>0.1238</b>	<b>0.0152</b>	<b>7.5000e-004</b>	<b>0.0159</b>	<b>0.0000</b>	<b>43.6738</b>	<b>43.6738</b>	<b>5.0500e-003</b>	<b>7.8700e-003</b>	<b>46.1442</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	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	61.88	0.00	61.77	60.24	0.00	59.43	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2024	3-31-2024	0.0150	0.0150
2	4-1-2024	6-30-2024	0.0383	0.0383
3	7-1-2024	9-30-2024	0.0393	0.0393
4	10-1-2024	12-31-2024	0.0847	0.0847
5	1-1-2025	3-31-2025	0.0462	0.0462
6	4-1-2025	6-30-2025	0.0458	0.0458
7	7-1-2025	9-30-2025	0.0026	0.0026
		Highest	0.0847	0.0847

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.0443	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-004	2.0000e-004	0.0000	0.0000	2.1000e-004
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
<b>Total</b>	<b>0.0443</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.1000e-004</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**2.2 Overall Operational**

**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	0.0443	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-004	2.0000e-004	0.0000	0.0000	2.1000e-004
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
<b>Total</b>	<b>0.0443</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.1000e-004</b>

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

**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	3/1/2024	1/2/2025	5	220	
2	Perimeter Fence Installation	Site Preparation	3/1/2024	5/30/2024	5	65	
3	Tree Removal	Site Preparation	3/1/2024	6/4/2024	5	68	

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

4	Energy Storage System	Building Construction	8/1/2024	6/18/2025	5	230
5	Underground Work (Utilities)	Trenching	9/1/2024	1/31/2025	5	110
6	System Installation	Building Construction	9/25/2024	7/1/2025	5	200
7	Gen-Tie Construction	Trenching	10/1/2024	10/30/2024	5	22
8	Testing, Comissioning, Site Clean Up	Trenching	6/1/2025	8/27/2025	5	63

**Acres of Grading (Site Preparation Phase): 550**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Off-Highway Trucks	0	8.00	402	0.38
Site Preparation	Rollers	0	8.00	80	0.38
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Scrapers	0	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Perimeter Fence Installation	Off-Highway Trucks	0	8.00	150	0.38
Perimeter Fence Installation	Rough Terrain Forklifts	0	8.00	100	0.40
Perimeter Fence Installation	Rubber Tired Dozers	0	0.00	247	0.40
Perimeter Fence Installation	Skid Steer Loaders	0	8.00	65	0.37
Perimeter Fence Installation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Tree Removal	Crushing/Proc. Equipment	0	8.00	950	0.78
Tree Removal	Excavators	0	8.00	172	0.38
Tree Removal	Other Material Handling Equipment	0	8.00	350	0.40
Tree Removal	Other Material Handling Equipment	0	8.00	160	0.40

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Tree Removal	Other Material Handling Equipment	0	8.00	790	0.40
Tree Removal	Other Material Handling Equipment	0	8.00	755	0.40
Tree Removal	Rubber Tired Dozers	0	8.00	247	0.40
Tree Removal	Skid Steer Loaders	0	8.00	65	0.37
Tree Removal	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Energy Storage System	Cranes	0	8.00	231	0.29
Energy Storage System	Forklifts	0	0.00	89	0.20
Energy Storage System	Generator Sets	0	0.00	84	0.74
Energy Storage System	Graders	0	8.00	187	0.41
Energy Storage System	Off-Highway Trucks	0	8.00	150	0.38
Energy Storage System	Rough Terrain Forklifts	0	8.00	100	0.40
Energy Storage System	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Energy Storage System	Welders	0	0.00	46	0.45
Underground Work (Utilities)	Cranes	0	0.00	231	0.29
Underground Work (Utilities)	Excavators	0	8.00	158	0.38
Underground Work (Utilities)	Off-Highway Trucks	0	8.00	300	0.38
Underground Work (Utilities)	Other Construction Equipment	0	8.00	172	0.42
Underground Work (Utilities)	Rollers	0	8.00	80	0.38
Underground Work (Utilities)	Rough Terrain Forklifts	0	8.00	100	0.40
System Installation	Cranes	0	8.00	231	0.29
System Installation	Forklifts	0	0.00	89	0.20
System Installation	Generator Sets	0	8.00	84	0.74
System Installation	Off-Highway Trucks	0	8.00	150	0.38
System Installation	Other Construction Equipment	0	8.00	172	0.42
System Installation	Rough Terrain Forklifts	0	8.00	100	0.40
System Installation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
System Installation	Welders	0	0.00	46	0.45
Gen-Tie Construction	Off-Highway Trucks	0	8.00	200	0.38
Testing, Comissioning, Site Clean Up	Graders	0	8.00	187	0.41

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Testing, Commissioning, Site Clean Up	Off-Highway Trucks	0	8.00	150	0.38
Testing, Commissioning, Site Clean Up	Skid Steer Loaders	0	8.00	65	0.37

**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	0	50.00	16.00	938.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT
Perimeter Fence Installation	0	74.00	16.00	2.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT
Tree Removal	0	30.00	4.00	0.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT
Energy Storage System	0	100.00	4.00	20.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT
Underground Work (Utilities)	0	100.00	2.00	2.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT
System Installation	0	476.00	40.00	26.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT
Gen-Tie Construction	0	16.00	4.00	2.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT
Testing, Commissioning, Site Clean Up	0	26.00	4.00	8.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 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					
Fugitive Dust					0.3058	0.0000	0.3058	0.0336	0.0000	0.0336	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.3058</b>	<b>0.0000</b>	<b>0.3058</b>	<b>0.0336</b>	<b>0.0000</b>	<b>0.0336</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.0400e-003	0.0713	0.0162	3.2000e-004	9.0400e-003	5.9000e-004	9.6300e-003	2.4900e-003	5.6000e-004	3.0500e-003	0.0000	31.2339	31.2339	1.0500e-003	4.9500e-003	32.7352
Vendor	9.8000e-004	0.0199	0.0149	2.0000e-005	5.0000e-005	1.0000e-005	6.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	2.4017	2.4017	7.0000e-005	3.8000e-004	2.5174
Worker	5.5000e-003	2.5000e-003	0.0287	1.0000e-005	5.0000e-005	2.0000e-005	8.0000e-005	2.0000e-005	2.0000e-005	4.0000e-005	0.0000	0.9077	0.9077	5.8000e-004	2.9000e-004	1.0082
<b>Total</b>	<b>7.5200e-003</b>	<b>0.0937</b>	<b>0.0598</b>	<b>3.5000e-004</b>	<b>9.1400e-003</b>	<b>6.2000e-004</b>	<b>9.7700e-003</b>	<b>2.5300e-003</b>	<b>5.9000e-004</b>	<b>3.1200e-003</b>	<b>0.0000</b>	<b>34.5433</b>	<b>34.5433</b>	<b>1.7000e-003</b>	<b>5.6200e-003</b>	<b>36.2608</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2024**

**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					0.1133	0.0000	0.1133	0.0125	0.0000	0.0125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.1133</b>	<b>0.0000</b>	<b>0.1133</b>	<b>0.0125</b>	<b>0.0000</b>	<b>0.0125</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.0400e-003	0.0713	0.0162	3.2000e-004	9.0400e-003	5.9000e-004	9.6300e-003	2.4900e-003	5.6000e-004	3.0500e-003	0.0000	31.2339	31.2339	1.0500e-003	4.9500e-003	32.7352
Vendor	9.8000e-004	0.0199	0.0149	2.0000e-005	5.0000e-005	1.0000e-005	6.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	2.4017	2.4017	7.0000e-005	3.8000e-004	2.5174
Worker	5.5000e-003	2.5000e-003	0.0287	1.0000e-005	5.0000e-005	2.0000e-005	8.0000e-005	2.0000e-005	2.0000e-005	4.0000e-005	0.0000	0.9077	0.9077	5.8000e-004	2.9000e-004	1.0082
<b>Total</b>	<b>7.5200e-003</b>	<b>0.0937</b>	<b>0.0598</b>	<b>3.5000e-004</b>	<b>9.1400e-003</b>	<b>6.2000e-004</b>	<b>9.7700e-003</b>	<b>2.5300e-003</b>	<b>5.9000e-004</b>	<b>3.1200e-003</b>	<b>0.0000</b>	<b>34.5433</b>	<b>34.5433</b>	<b>1.7000e-003</b>	<b>5.6200e-003</b>	<b>36.2608</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 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					
Fugitive Dust					0.3058	0.0000	0.3058	0.0336	0.0000	0.0336	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.3058</b>	<b>0.0000</b>	<b>0.3058</b>	<b>0.0336</b>	<b>0.0000</b>	<b>0.0336</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.0000e-005	6.5000e-004	1.5000e-004	0.0000	8.0000e-005	1.0000e-005	9.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.2811	0.2811	1.0000e-005	4.0000e-005	0.2946
Vendor	1.0000e-005	1.8000e-004	1.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0216	0.0216	0.0000	0.0000	0.0227
Worker	5.0000e-005	2.0000e-005	2.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	8.0500e-003	8.0500e-003	0.0000	0.0000	8.9300e-003
<b>Total</b>	<b>7.0000e-005</b>	<b>8.5000e-004</b>	<b>5.4000e-004</b>	<b>0.0000</b>	<b>8.0000e-005</b>	<b>1.0000e-005</b>	<b>9.0000e-005</b>	<b>2.0000e-005</b>	<b>1.0000e-005</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.3108</b>	<b>0.3108</b>	<b>1.0000e-005</b>	<b>4.0000e-005</b>	<b>0.3262</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2025**

**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					0.1133	0.0000	0.1133	0.0125	0.0000	0.0125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.1133</b>	<b>0.0000</b>	<b>0.1133</b>	<b>0.0125</b>	<b>0.0000</b>	<b>0.0125</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.0000e-005	6.5000e-004	1.5000e-004	0.0000	8.0000e-005	1.0000e-005	9.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.2811	0.2811	1.0000e-005	4.0000e-005	0.2946
Vendor	1.0000e-005	1.8000e-004	1.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0216	0.0216	0.0000	0.0000	0.0227
Worker	5.0000e-005	2.0000e-005	2.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	8.0500e-003	8.0500e-003	0.0000	0.0000	8.9300e-003
<b>Total</b>	<b>7.0000e-005</b>	<b>8.5000e-004</b>	<b>5.4000e-004</b>	<b>0.0000</b>	<b>8.0000e-005</b>	<b>1.0000e-005</b>	<b>9.0000e-005</b>	<b>2.0000e-005</b>	<b>1.0000e-005</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.3108</b>	<b>0.3108</b>	<b>1.0000e-005</b>	<b>4.0000e-005</b>	<b>0.3262</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Perimeter Fence Installation - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.5000e-004	3.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0672	0.0672	0.0000	1.0000e-005	0.0704
Vendor	2.9000e-004	5.9200e-003	4.4400e-003	1.0000e-005	1.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.7161	0.7161	2.0000e-005	1.1000e-004	0.7506
Worker	2.4300e-003	1.1000e-003	0.0127	0.0000	2.0000e-005	1.0000e-005	3.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.4006	0.4006	2.6000e-004	1.3000e-004	0.4449
<b>Total</b>	<b>2.7200e-003</b>	<b>7.1700e-003</b>	<b>0.0172</b>	<b>1.0000e-005</b>	<b>5.0000e-005</b>	<b>1.0000e-005</b>	<b>7.0000e-005</b>	<b>3.0000e-005</b>	<b>1.0000e-005</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.1839</b>	<b>1.1839</b>	<b>2.8000e-004</b>	<b>2.5000e-004</b>	<b>1.2659</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Perimeter Fence Installation - 2024**

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.5000e-004	3.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0672	0.0672	0.0000	1.0000e-005	0.0704
Vendor	2.9000e-004	5.9200e-003	4.4400e-003	1.0000e-005	1.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.7161	0.7161	2.0000e-005	1.1000e-004	0.7506
Worker	2.4300e-003	1.1000e-003	0.0127	0.0000	2.0000e-005	1.0000e-005	3.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.4006	0.4006	2.6000e-004	1.3000e-004	0.4449
<b>Total</b>	<b>2.7200e-003</b>	<b>7.1700e-003</b>	<b>0.0172</b>	<b>1.0000e-005</b>	<b>5.0000e-005</b>	<b>1.0000e-005</b>	<b>7.0000e-005</b>	<b>3.0000e-005</b>	<b>1.0000e-005</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.1839</b>	<b>1.1839</b>	<b>2.8000e-004</b>	<b>2.5000e-004</b>	<b>1.2659</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Tree Removal - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	8.0000e-005	1.5500e-003	1.1600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1873	0.1873	1.0000e-005	3.0000e-005	0.1963
Worker	1.0300e-003	4.7000e-004	5.3800e-003	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.1699	0.1699	1.1000e-004	5.0000e-005	0.1887
<b>Total</b>	<b>1.1100e-003</b>	<b>2.0200e-003</b>	<b>6.5400e-003</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.3572</b>	<b>0.3572</b>	<b>1.2000e-004</b>	<b>8.0000e-005</b>	<b>0.3850</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Tree Removal - 2024**

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	8.0000e-005	1.5500e-003	1.1600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1873	0.1873	1.0000e-005	3.0000e-005	0.1963
Worker	1.0300e-003	4.7000e-004	5.3800e-003	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.1699	0.1699	1.1000e-004	5.0000e-005	0.1887
<b>Total</b>	<b>1.1100e-003</b>	<b>2.0200e-003</b>	<b>6.5400e-003</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.3572</b>	<b>0.3572</b>	<b>1.2000e-004</b>	<b>8.0000e-005</b>	<b>0.3850</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.0000e-005	7.3000e-004	1.6000e-004	0.0000	9.0000e-005	1.0000e-005	1.0000e-004	3.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.3185	0.3185	1.0000e-005	5.0000e-005	0.3338
Vendor	1.2000e-004	2.4800e-003	1.8600e-003	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.3002	0.3002	1.0000e-005	5.0000e-005	0.3147
Worker	5.5000e-003	2.5000e-003	0.0287	1.0000e-005	5.0000e-005	2.0000e-005	8.0000e-005	2.0000e-005	2.0000e-005	4.0000e-005	0.0000	0.9077	0.9077	5.8000e-004	2.9000e-004	1.0082
<b>Total</b>	<b>5.6300e-003</b>	<b>5.7100e-003</b>	<b>0.0308</b>	<b>1.0000e-005</b>	<b>1.5000e-004</b>	<b>3.0000e-005</b>	<b>1.9000e-004</b>	<b>5.0000e-005</b>	<b>3.0000e-005</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>1.5264</b>	<b>1.5264</b>	<b>6.0000e-004</b>	<b>3.9000e-004</b>	<b>1.6567</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2024**

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.0000e-005	7.3000e-004	1.6000e-004	0.0000	9.0000e-005	1.0000e-005	1.0000e-004	3.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.3185	0.3185	1.0000e-005	5.0000e-005	0.3338
Vendor	1.2000e-004	2.4800e-003	1.8600e-003	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.3002	0.3002	1.0000e-005	5.0000e-005	0.3147
Worker	5.5000e-003	2.5000e-003	0.0287	1.0000e-005	5.0000e-005	2.0000e-005	8.0000e-005	2.0000e-005	2.0000e-005	4.0000e-005	0.0000	0.9077	0.9077	5.8000e-004	2.9000e-004	1.0082
<b>Total</b>	<b>5.6300e-003</b>	<b>5.7100e-003</b>	<b>0.0308</b>	<b>1.0000e-005</b>	<b>1.5000e-004</b>	<b>3.0000e-005</b>	<b>1.9000e-004</b>	<b>5.0000e-005</b>	<b>3.0000e-005</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>1.5264</b>	<b>1.5264</b>	<b>6.0000e-004</b>	<b>3.9000e-004</b>	<b>1.6567</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.0000e-005	8.0000e-004	1.8000e-004	0.0000	1.0000e-004	1.0000e-005	1.1000e-004	3.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.3469	0.3469	1.0000e-005	5.0000e-005	0.3635
Vendor	1.3000e-004	2.7400e-003	2.0400e-003	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.3271	0.3271	1.0000e-005	5.0000e-005	0.3428
Worker	5.6500e-003	2.5800e-003	0.0306	1.0000e-005	6.0000e-005	3.0000e-005	8.0000e-005	2.0000e-005	2.0000e-005	5.0000e-005	0.0000	0.9744	0.9744	6.0000e-004	3.0000e-004	1.0802
<b>Total</b>	<b>5.7900e-003</b>	<b>6.1200e-003</b>	<b>0.0329</b>	<b>1.0000e-005</b>	<b>1.7000e-004</b>	<b>4.0000e-005</b>	<b>2.0000e-004</b>	<b>5.0000e-005</b>	<b>3.0000e-005</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>1.6483</b>	<b>1.6483</b>	<b>6.2000e-004</b>	<b>4.0000e-004</b>	<b>1.7865</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2025**

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.0000e-005	8.0000e-004	1.8000e-004	0.0000	1.0000e-004	1.0000e-005	1.1000e-004	3.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.3469	0.3469	1.0000e-005	5.0000e-005	0.3635
Vendor	1.3000e-004	2.7400e-003	2.0400e-003	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.3271	0.3271	1.0000e-005	5.0000e-005	0.3428
Worker	5.6500e-003	2.5800e-003	0.0306	1.0000e-005	6.0000e-005	3.0000e-005	8.0000e-005	2.0000e-005	2.0000e-005	5.0000e-005	0.0000	0.9744	0.9744	6.0000e-004	3.0000e-004	1.0802
<b>Total</b>	<b>5.7900e-003</b>	<b>6.1200e-003</b>	<b>0.0329</b>	<b>1.0000e-005</b>	<b>1.7000e-004</b>	<b>4.0000e-005</b>	<b>2.0000e-004</b>	<b>5.0000e-005</b>	<b>3.0000e-005</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>1.6483</b>	<b>1.6483</b>	<b>6.2000e-004</b>	<b>4.0000e-004</b>	<b>1.7865</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.2000e-004	3.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0532	0.0532	0.0000	1.0000e-005	0.0557
Vendor	5.0000e-005	9.9000e-004	7.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1198	0.1198	0.0000	2.0000e-005	0.1256
Worker	4.3900e-003	2.0000e-003	0.0229	1.0000e-005	4.0000e-005	2.0000e-005	6.0000e-005	2.0000e-005	2.0000e-005	3.0000e-005	0.0000	0.7245	0.7245	4.7000e-004	2.3000e-004	0.8047
<b>Total</b>	<b>4.4400e-003</b>	<b>3.1100e-003</b>	<b>0.0237</b>	<b>1.0000e-005</b>	<b>6.0000e-005</b>	<b>2.0000e-005</b>	<b>8.0000e-005</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.8975</b>	<b>0.8975</b>	<b>4.7000e-004</b>	<b>2.6000e-004</b>	<b>0.9860</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2024**

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.2000e-004	3.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0532	0.0532	0.0000	1.0000e-005	0.0557
Vendor	5.0000e-005	9.9000e-004	7.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1198	0.1198	0.0000	2.0000e-005	0.1256
Worker	4.3900e-003	2.0000e-003	0.0229	1.0000e-005	4.0000e-005	2.0000e-005	6.0000e-005	2.0000e-005	2.0000e-005	3.0000e-005	0.0000	0.7245	0.7245	4.7000e-004	2.3000e-004	0.8047
<b>Total</b>	<b>4.4400e-003</b>	<b>3.1100e-003</b>	<b>0.0237</b>	<b>1.0000e-005</b>	<b>6.0000e-005</b>	<b>2.0000e-005</b>	<b>8.0000e-005</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.8975</b>	<b>0.8975</b>	<b>4.7000e-004</b>	<b>2.6000e-004</b>	<b>0.9860</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	3.0000e-005	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0138	0.0138	0.0000	0.0000	0.0145
Vendor	1.0000e-005	2.6000e-004	1.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0311	0.0311	0.0000	0.0000	0.0326
Worker	1.0700e-003	4.9000e-004	5.8200e-003	0.0000	1.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.1852	0.1852	1.1000e-004	6.0000e-005	0.2053
<b>Total</b>	<b>1.0800e-003</b>	<b>7.8000e-004</b>	<b>6.0200e-003</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.2301</b>	<b>0.2301</b>	<b>1.1000e-004</b>	<b>6.0000e-005</b>	<b>0.2524</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2025**

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	3.0000e-005	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0138	0.0138	0.0000	0.0000	0.0145
Vendor	1.0000e-005	2.6000e-004	1.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0311	0.0311	0.0000	0.0000	0.0326
Worker	1.0700e-003	4.9000e-004	5.8200e-003	0.0000	1.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.1852	0.1852	1.1000e-004	6.0000e-005	0.2053
<b>Total</b>	<b>1.0800e-003</b>	<b>7.8000e-004</b>	<b>6.0200e-003</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.2301</b>	<b>0.2301</b>	<b>1.1000e-004</b>	<b>6.0000e-005</b>	<b>0.2524</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.0000e-005	7.0000e-004	1.6000e-004	0.0000	9.0000e-005	1.0000e-005	9.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.3058	0.3058	1.0000e-005	5.0000e-005	0.3205
Vendor	7.9000e-004	0.0159	0.0119	2.0000e-005	4.0000e-005	1.0000e-005	5.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	1.9280	1.9280	6.0000e-005	3.1000e-004	2.0209
Worker	0.0168	7.6400e-003	0.0878	3.0000e-005	1.6000e-004	7.0000e-005	2.4000e-004	7.0000e-005	7.0000e-005	1.3000e-004	0.0000	2.7747	2.7747	1.7900e-003	8.8000e-004	3.0819
<b>Total</b>	<b>0.0176</b>	<b>0.0243</b>	<b>0.0999</b>	<b>5.0000e-005</b>	<b>2.9000e-004</b>	<b>9.0000e-005</b>	<b>3.8000e-004</b>	<b>1.0000e-004</b>	<b>9.0000e-005</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>5.0085</b>	<b>5.0085</b>	<b>1.8600e-003</b>	<b>1.2400e-003</b>	<b>5.4233</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2024**

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.0000e-005	7.0000e-004	1.6000e-004	0.0000	9.0000e-005	1.0000e-005	9.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.3058	0.3058	1.0000e-005	5.0000e-005	0.3205
Vendor	7.9000e-004	0.0159	0.0119	2.0000e-005	4.0000e-005	1.0000e-005	5.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	1.9280	1.9280	6.0000e-005	3.1000e-004	2.0209
Worker	0.0168	7.6400e-003	0.0878	3.0000e-005	1.6000e-004	7.0000e-005	2.4000e-004	7.0000e-005	7.0000e-005	1.3000e-004	0.0000	2.7747	2.7747	1.7900e-003	8.8000e-004	3.0819
<b>Total</b>	<b>0.0176</b>	<b>0.0243</b>	<b>0.0999</b>	<b>5.0000e-005</b>	<b>2.9000e-004</b>	<b>9.0000e-005</b>	<b>3.8000e-004</b>	<b>1.0000e-004</b>	<b>9.0000e-005</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>5.0085</b>	<b>5.0085</b>	<b>1.8600e-003</b>	<b>1.2400e-003</b>	<b>5.4233</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	2.0000e-005	1.2900e-003	2.9000e-004	1.0000e-005	1.6000e-004	1.0000e-005	1.8000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.5571	0.5571	2.0000e-005	9.0000e-005	0.5839
Vendor	1.4500e-003	0.0295	0.0220	4.0000e-005	7.0000e-005	2.0000e-005	9.0000e-005	3.0000e-005	2.0000e-005	4.0000e-005	0.0000	3.5138	3.5138	1.1000e-004	5.6000e-004	3.6831
Worker	0.0289	0.0132	0.1567	5.0000e-005	3.1000e-004	1.3000e-004	4.3000e-004	1.2000e-004	1.2000e-004	2.4000e-004	0.0000	4.9831	4.9831	3.0600e-003	1.5600e-003	5.5241
<b>Total</b>	<b>0.0304</b>	<b>0.0439</b>	<b>0.1789</b>	<b>1.0000e-004</b>	<b>5.4000e-004</b>	<b>1.6000e-004</b>	<b>7.0000e-004</b>	<b>2.0000e-004</b>	<b>1.5000e-004</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>9.0540</b>	<b>9.0540</b>	<b>3.1900e-003</b>	<b>2.2100e-003</b>	<b>9.7911</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2025**

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	2.0000e-005	1.2900e-003	2.9000e-004	1.0000e-005	1.6000e-004	1.0000e-005	1.8000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.5571	0.5571	2.0000e-005	9.0000e-005	0.5839
Vendor	1.4500e-003	0.0295	0.0220	4.0000e-005	7.0000e-005	2.0000e-005	9.0000e-005	3.0000e-005	2.0000e-005	4.0000e-005	0.0000	3.5138	3.5138	1.1000e-004	5.6000e-004	3.6831
Worker	0.0289	0.0132	0.1567	5.0000e-005	3.1000e-004	1.3000e-004	4.3000e-004	1.2000e-004	1.2000e-004	2.4000e-004	0.0000	4.9831	4.9831	3.0600e-003	1.5600e-003	5.5241
<b>Total</b>	<b>0.0304</b>	<b>0.0439</b>	<b>0.1789</b>	<b>1.0000e-004</b>	<b>5.4000e-004</b>	<b>1.6000e-004</b>	<b>7.0000e-004</b>	<b>2.0000e-004</b>	<b>1.5000e-004</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>9.0540</b>	<b>9.0540</b>	<b>3.1900e-003</b>	<b>2.2100e-003</b>	<b>9.7911</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.8 Gen-Tie 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.5000e-004	3.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0672	0.0672	0.0000	1.0000e-005	0.0704
Vendor	2.0000e-005	5.0000e-004	3.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0606	0.0606	0.0000	1.0000e-005	0.0635
Worker	1.8000e-004	8.0000e-005	9.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0293	0.0293	2.0000e-005	1.0000e-005	0.0326
<b>Total</b>	<b>2.0000e-004</b>	<b>7.3000e-004</b>	<b>1.3400e-003</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.1571</b>	<b>0.1571</b>	<b>2.0000e-005</b>	<b>3.0000e-005</b>	<b>0.1665</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.8 Gen-Tie Construction - 2024**

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.5000e-004	3.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0672	0.0672	0.0000	1.0000e-005	0.0704
Vendor	2.0000e-005	5.0000e-004	3.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0606	0.0606	0.0000	1.0000e-005	0.0635
Worker	1.8000e-004	8.0000e-005	9.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0293	0.0293	2.0000e-005	1.0000e-005	0.0326
<b>Total</b>	<b>2.0000e-004</b>	<b>7.3000e-004</b>	<b>1.3400e-003</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.1571</b>	<b>0.1571</b>	<b>2.0000e-005</b>	<b>3.0000e-005</b>	<b>0.1665</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.9 Testing, Commissioning, Site Clean Up - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.0000e-005	6.1000e-004	1.4000e-004	0.0000	8.0000e-005	1.0000e-005	8.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.2637	0.2637	1.0000e-005	4.0000e-005	0.2764
Vendor	7.0000e-005	1.4300e-003	1.0600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1703	0.1703	1.0000e-005	3.0000e-005	0.1785
Worker	7.7000e-004	3.5000e-004	4.1500e-003	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.1319	0.1319	8.0000e-005	4.0000e-005	0.1462
<b>Total</b>	<b>8.5000e-004</b>	<b>2.3900e-003</b>	<b>5.3500e-003</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>1.0000e-005</b>	<b>9.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.5659</b>	<b>0.5659</b>	<b>1.0000e-004</b>	<b>1.1000e-004</b>	<b>0.6011</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.9 Testing, Commissioning, Site Clean Up - 2025**

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.0000e-005	6.1000e-004	1.4000e-004	0.0000	8.0000e-005	1.0000e-005	8.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.2637	0.2637	1.0000e-005	4.0000e-005	0.2764
Vendor	7.0000e-005	1.4300e-003	1.0600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1703	0.1703	1.0000e-005	3.0000e-005	0.1785
Worker	7.7000e-004	3.5000e-004	4.1500e-003	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.1319	0.1319	8.0000e-005	4.0000e-005	0.1462
<b>Total</b>	<b>8.5000e-004</b>	<b>2.3900e-003</b>	<b>5.3500e-003</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>1.0000e-005</b>	<b>9.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.5659</b>	<b>0.5659</b>	<b>1.0000e-004</b>	<b>1.1000e-004</b>	<b>0.6011</b>

**4.0 Operational Detail - Mobile**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
User Defined Industrial	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
Unrefrigerated Warehouse-No Rail	10.00	5.00	6.50	59.00	0.00	41.00	100	0	0
User Defined Industrial	10.00	5.00	6.50	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

User Defined Industrial	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820
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**5.0 Energy Detail**

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



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.0443	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-004	2.0000e-004	0.0000	0.0000	2.1000e-004
Unmitigated	0.0443	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-004	2.0000e-004	0.0000	0.0000	2.1000e-004

**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	5.2200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0391					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-004	2.0000e-004	0.0000	0.0000	2.1000e-004
<b>Total</b>	<b>0.0443</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.1000e-004</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**6.2 Area by SubCategory**

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	5.2200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0391					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-004	2.0000e-004	0.0000	0.0000	2.1000e-004
<b>Total</b>	<b>0.0443</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.1000e-004</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	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			
Unrefrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**7.2 Water by Land Use**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**8.0 Waste Detail**

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**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

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**9.0 Operational Offroad**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

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

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**Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**CCAR Solar - Mitigated BAAQMD  
Bay Area AQMD Air District, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	10.00	1000sqft	2,555.00	10,000.00	0
User Defined Industrial	1.00	User Defined Unit	0.00	1.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	64
<b>Climate Zone</b>	3			<b>Operational Year</b>	2025
<b>Utility Company</b>	Sacramento Municipal Utility District				
<b>CO2 Intensity (lb/MWhr)</b>	357.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - Operational year 2023.

Land Use - 2,555 acers based on total development area.

Construction Phase - Construction phasing information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant. Off-Highway Trucks include 3 water trucks and 3 dump trucks.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.





CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblEnergyUse	LightingElect	3.22	0.00
tblEnergyUse	NT24E	5.13	0.00
tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	0.93	0.00
tblEnergyUse	T24NG	16.86	0.00
tblGrading	AcresOfGrading	0.00	550.00
tblGrading	MaterialExported	0.00	250,000.00
tblLandUse	LandUseSquareFeet	0.00	1.00
tblLandUse	LotAcreage	0.23	2,555.00
tblOffRoadEquipment	HorsePower	85.00	950.00
tblOffRoadEquipment	HorsePower	158.00	172.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	300.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	200.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	168.00	350.00
tblOffRoadEquipment	HorsePower	168.00	160.00
tblOffRoadEquipment	HorsePower	168.00	790.00
tblOffRoadEquipment	HorsePower	168.00	755.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblRoadDust	CARB_PM_VMT	False	True
tblSolidWaste	SolidWasteGenerationRate	9.40	0.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00

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tbITripsAndVMT	HaulingTripLength	20.00	23.00
tbITripsAndVMT	HaulingTripLength	20.00	23.00
tbITripsAndVMT	HaulingTripLength	20.00	23.00
tbITripsAndVMT	HaulingTripNumber	31,250.00	938.00
tbITripsAndVMT	HaulingTripNumber	0.00	2.00
tbITripsAndVMT	HaulingTripNumber	0.00	20.00
tbITripsAndVMT	HaulingTripNumber	0.00	2.00
tbITripsAndVMT	HaulingTripNumber	0.00	26.00
tbITripsAndVMT	HaulingTripNumber	0.00	2.00
tbITripsAndVMT	HaulingTripNumber	0.00	8.00
tbITripsAndVMT	VendorTripLength	6.60	0.00
tbITripsAndVMT	VendorTripLength	6.60	0.00
tbITripsAndVMT	VendorTripLength	6.60	0.00
tbITripsAndVMT	VendorTripLength	6.60	0.00
tbITripsAndVMT	VendorTripLength	6.60	0.00
tbITripsAndVMT	VendorTripLength	6.60	0.00
tbITripsAndVMT	VendorTripLength	6.60	0.00
tbITripsAndVMT	VendorTripLength	6.60	0.00
tbITripsAndVMT	VendorTripLength	6.60	0.00
tbITripsAndVMT	VendorTripNumber	0.00	16.00
tbITripsAndVMT	VendorTripNumber	0.00	16.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	VendorTripNumber	2.00	4.00
tbITripsAndVMT	VendorTripNumber	0.00	2.00
tbITripsAndVMT	VendorTripNumber	2.00	40.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	WorkerTripLength	10.80	0.00
tbITripsAndVMT	WorkerTripLength	10.80	0.00
tbITripsAndVMT	WorkerTripLength	10.80	0.00

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tbITripsAndVMT	WorkerTripLength	10.80	0.00
tbITripsAndVMT	WorkerTripLength	10.80	0.00
tbITripsAndVMT	WorkerTripLength	10.80	0.00
tbITripsAndVMT	WorkerTripLength	10.80	0.00
tbITripsAndVMT	WorkerTripLength	10.80	0.00
tbITripsAndVMT	WorkerTripNumber	0.00	50.00
tbITripsAndVMT	WorkerTripNumber	0.00	74.00
tbITripsAndVMT	WorkerTripNumber	0.00	30.00
tbITripsAndVMT	WorkerTripNumber	4.00	100.00
tbITripsAndVMT	WorkerTripNumber	0.00	100.00
tbITripsAndVMT	WorkerTripNumber	4.00	476.00
tbITripsAndVMT	WorkerTripNumber	0.00	16.00
tbITripsAndVMT	WorkerTripNumber	0.00	26.00
tbIVehicleTrips	CC_TL	6.60	5.00
tbIVehicleTrips	CC_TL	6.60	5.00
tbIVehicleTrips	CNW_TL	6.60	6.50
tbIVehicleTrips	CNW_TL	6.60	6.50
tbIVehicleTrips	CW_TL	14.70	10.00
tbIVehicleTrips	CW_TL	14.70	10.00
tbIVehicleTrips	CW_TTP	0.00	100.00
tbIVehicleTrips	DV_TP	5.00	0.00
tbIVehicleTrips	PB_TP	3.00	0.00
tbIVehicleTrips	PR_TP	92.00	100.00
tbIVehicleTrips	PR_TP	0.00	100.00
tbIVehicleTrips	ST_TR	1.74	0.00
tbIVehicleTrips	SU_TR	1.74	0.00
tbIVehicleTrips	WD_TR	1.74	0.00
tbIWater	AerobicPercent	87.46	100.00
tbIWater	AerobicPercent	87.46	100.00

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblWater	AnaDigestCogenCombDigestGasPercent	0.00	85.00
tblWater	AnaDigestCogenCombDigestGasPercent	0.00	85.00
tblWater	AnaDigestCombDigestGasPercent	100.00	15.00
tblWater	AnaDigestCombDigestGasPercent	100.00	15.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	2,312,500.00	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

**2.0 Emissions Summary**

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CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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					
2024	0.9412	1.7104	3.7816	5.3900e-003	2.8811	9.4600e-003	2.8906	0.3346	8.9400e-003	0.3435	0.0000	576.8622	576.8622	0.0878	0.1092	611.6022
2025	0.8567	1.6178	3.5570	5.1500e-003	2.8791	9.1100e-003	2.8882	0.3340	8.6100e-003	0.3426	0.0000	548.6336	548.6336	0.0802	0.1032	581.4026
<b>Maximum</b>	<b>0.9412</b>	<b>1.7104</b>	<b>3.7816</b>	<b>5.3900e-003</b>	<b>2.8811</b>	<b>9.4600e-003</b>	<b>2.8906</b>	<b>0.3346</b>	<b>8.9400e-003</b>	<b>0.3435</b>	<b>0.0000</b>	<b>576.8622</b>	<b>576.8622</b>	<b>0.0878</b>	<b>0.1092</b>	<b>611.6022</b>

**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					
2024	0.9412	1.7104	3.7816	5.3900e-003	1.1313	9.4600e-003	1.1407	0.1422	8.9400e-003	0.1511	0.0000	576.8622	576.8622	0.0878	0.1092	611.6022
2025	0.8567	1.6178	3.5570	5.1500e-003	1.1292	9.1100e-003	1.1383	0.1416	8.6100e-003	0.1502	0.0000	548.6336	548.6336	0.0802	0.1032	581.4026
<b>Maximum</b>	<b>0.9412</b>	<b>1.7104</b>	<b>3.7816</b>	<b>5.3900e-003</b>	<b>1.1313</b>	<b>9.4600e-003</b>	<b>1.1407</b>	<b>0.1422</b>	<b>8.9400e-003</b>	<b>0.1511</b>	<b>0.0000</b>	<b>576.8622</b>	<b>576.8622</b>	<b>0.0878</b>	<b>0.1092</b>	<b>611.6022</b>

## CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	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	60.76	0.00	60.56	57.57	0.00	56.10	0.00	0.00	0.00	0.00	0.00	0.00

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.2427	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
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
<b>Total</b>	<b>0.2427</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>2.4100e-003</b>	<b>2.4100e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>2.5600e-003</b>

**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	0.2427	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
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
<b>Total</b>	<b>0.2427</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>2.4100e-003</b>	<b>2.4100e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>2.5600e-003</b>



CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	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	3/1/2024	1/2/2025	5	220	
2	Perimeter Fence Installation	Site Preparation	3/1/2024	5/30/2024	5	65	
3	Tree Removal	Site Preparation	3/1/2024	6/4/2024	5	68	
4	Energy Storage System	Building Construction	8/1/2024	6/18/2025	5	230	
5	Underground Work (Utilities)	Trenching	9/1/2024	1/31/2025	5	110	
6	System Installation	Building Construction	9/25/2024	7/1/2025	5	200	
7	Gen-Tie Construction	Trenching	10/1/2024	10/30/2024	5	22	
8	Testing, Commissioning, Site Clean Up	Trenching	6/1/2025	8/27/2025	5	63	

**Acres of Grading (Site Preparation Phase): 550**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Off-Highway Trucks	0	8.00	402	0.38
Site Preparation	Rollers	0	8.00	80	0.38

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Scrapers	0	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Perimeter Fence Installation	Off-Highway Trucks	0	8.00	150	0.38
Perimeter Fence Installation	Rough Terrain Forklifts	0	8.00	100	0.40
Perimeter Fence Installation	Rubber Tired Dozers	0	0.00	247	0.40
Perimeter Fence Installation	Skid Steer Loaders	0	8.00	65	0.37
Perimeter Fence Installation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Tree Removal	Crushing/Proc. Equipment	0	8.00	950	0.78
Tree Removal	Excavators	0	8.00	172	0.38
Tree Removal	Other Material Handling Equipment	0	8.00	350	0.40
Tree Removal	Other Material Handling Equipment	0	8.00	160	0.40
Tree Removal	Other Material Handling Equipment	0	8.00	790	0.40
Tree Removal	Other Material Handling Equipment	0	8.00	755	0.40
Tree Removal	Rubber Tired Dozers	0	8.00	247	0.40
Tree Removal	Skid Steer Loaders	0	8.00	65	0.37
Tree Removal	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Energy Storage System	Cranes	0	8.00	231	0.29
Energy Storage System	Forklifts	0	0.00	89	0.20
Energy Storage System	Generator Sets	0	0.00	84	0.74
Energy Storage System	Graders	0	8.00	187	0.41
Energy Storage System	Off-Highway Trucks	0	8.00	150	0.38
Energy Storage System	Rough Terrain Forklifts	0	8.00	100	0.40
Energy Storage System	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Energy Storage System	Welders	0	0.00	46	0.45
Underground Work (Utilities)	Cranes	0	0.00	231	0.29
Underground Work (Utilities)	Excavators	0	8.00	158	0.38
Underground Work (Utilities)	Off-Highway Trucks	0	8.00	300	0.38
Underground Work (Utilities)	Other Construction Equipment	0	8.00	172	0.42

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Underground Work (Utilities)	Rollers	0	8.00	80	0.38
Underground Work (Utilities)	Rough Terrain Forklifts	0	8.00	100	0.40
System Installation	Cranes	0	8.00	231	0.29
System Installation	Forklifts	0	0.00	89	0.20
System Installation	Generator Sets	0	8.00	84	0.74
System Installation	Off-Highway Trucks	0	8.00	150	0.38
System Installation	Other Construction Equipment	0	8.00	172	0.42
System Installation	Rough Terrain Forklifts	0	8.00	100	0.40
System Installation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
System Installation	Welders	0	0.00	46	0.45
Gen-Tie Construction	Off-Highway Trucks	0	8.00	200	0.38
Testing, Commissioning, Site Clean Up	Graders	0	8.00	187	0.41
Testing, Commissioning, Site Clean Up	Off-Highway Trucks	0	8.00	150	0.38
Testing, Commissioning, Site Clean Up	Skid Steer Loaders	0	8.00	65	0.37

**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	0	50.00	16.00	938.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT
Perimeter Fence Installation	0	74.00	16.00	2.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT
Tree Removal	0	30.00	4.00	0.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT
Energy Storage System	0	100.00	4.00	20.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT
Underground Work (Utilities)	0	100.00	2.00	2.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT
System Installation	0	476.00	40.00	26.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT
Gen-Tie Construction	0	16.00	4.00	2.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT
Testing, Commissioning, Site Clean Up	0	26.00	4.00	8.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

**3.2 Site Preparation - 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					
Fugitive Dust					2.7798	0.0000	2.7798	0.3057	0.0000	0.3057			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.7798</b>	<b>0.0000</b>	<b>2.7798</b>	<b>0.3057</b>	<b>0.0000</b>	<b>0.3057</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2024**

**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	9.8200e-003	0.6302	0.1477	2.8900e-003	0.0858	5.4100e-003	0.0912	0.0235	5.1800e-003	0.0287		315.7562	315.7562	0.0106	0.0500	330.9337
Vendor	9.4300e-003	0.1774	0.1324	2.2000e-004	4.2000e-004	1.0000e-004	5.2000e-004	1.7000e-004	1.0000e-004	2.6000e-004		24.0774	24.0774	7.4000e-004	3.8300e-003	25.2358
Worker	0.0601	0.0202	0.2073	9.0000e-005	4.9000e-004	2.2000e-004	7.1000e-004	2.0000e-004	2.0000e-004	3.9000e-004		9.2750	9.2750	4.9400e-003	2.6700e-003	10.1930
<b>Total</b>	<b>0.0793</b>	<b>0.8279</b>	<b>0.4874</b>	<b>3.2000e-003</b>	<b>0.0867</b>	<b>5.7300e-003</b>	<b>0.0924</b>	<b>0.0239</b>	<b>5.4800e-003</b>	<b>0.0293</b>		<b>349.1085</b>	<b>349.1085</b>	<b>0.0163</b>	<b>0.0565</b>	<b>366.3625</b>

**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					1.0299	0.0000	1.0299	0.1133	0.0000	0.1133			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0299</b>	<b>0.0000</b>	<b>1.0299</b>	<b>0.1133</b>	<b>0.0000</b>	<b>0.1133</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2024**

**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	9.8200e-003	0.6302	0.1477	2.8900e-003	0.0858	5.4100e-003	0.0912	0.0235	5.1800e-003	0.0287		315.7562	315.7562	0.0106	0.0500	330.9337
Vendor	9.4300e-003	0.1774	0.1324	2.2000e-004	4.2000e-004	1.0000e-004	5.2000e-004	1.7000e-004	1.0000e-004	2.6000e-004		24.0774	24.0774	7.4000e-004	3.8300e-003	25.2358
Worker	0.0601	0.0202	0.2073	9.0000e-005	4.9000e-004	2.2000e-004	7.1000e-004	2.0000e-004	2.0000e-004	3.9000e-004		9.2750	9.2750	4.9400e-003	2.6700e-003	10.1930
<b>Total</b>	<b>0.0793</b>	<b>0.8279</b>	<b>0.4874</b>	<b>3.2000e-003</b>	<b>0.0867</b>	<b>5.7300e-003</b>	<b>0.0924</b>	<b>0.0239</b>	<b>5.4800e-003</b>	<b>0.0293</b>		<b>349.1085</b>	<b>349.1085</b>	<b>0.0163</b>	<b>0.0565</b>	<b>366.3625</b>

**3.2 Site Preparation - 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					
Fugitive Dust					2.7798	0.0000	2.7798	0.3057	0.0000	0.3057			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.7798</b>	<b>0.0000</b>	<b>2.7798</b>	<b>0.3057</b>	<b>0.0000</b>	<b>0.3057</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2025**

**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	9.7500e-003	0.6262	0.1482	2.8400e-003	0.0858	5.4000e-003	0.0912	0.0235	5.1700e-003	0.0287		309.7582	309.7582	0.0106	0.0491	324.6547
Vendor	9.3300e-003	0.1765	0.1311	2.2000e-004	4.2000e-004	1.0000e-004	5.2000e-004	1.7000e-004	1.0000e-004	2.6000e-004		23.6243	23.6243	7.3000e-004	3.7500e-003	24.7614
Worker	0.0558	0.0188	0.1992	9.0000e-005	4.9000e-004	2.1000e-004	7.0000e-004	2.0000e-004	1.9000e-004	3.9000e-004		8.9703	8.9703	4.5600e-003	2.5400e-003	9.8411
<b>Total</b>	<b>0.0749</b>	<b>0.8215</b>	<b>0.4785</b>	<b>3.1500e-003</b>	<b>0.0867</b>	<b>5.7100e-003</b>	<b>0.0924</b>	<b>0.0239</b>	<b>5.4600e-003</b>	<b>0.0293</b>		<b>342.3528</b>	<b>342.3528</b>	<b>0.0159</b>	<b>0.0554</b>	<b>359.2572</b>

**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					1.0299	0.0000	1.0299	0.1133	0.0000	0.1133			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0299</b>	<b>0.0000</b>	<b>1.0299</b>	<b>0.1133</b>	<b>0.0000</b>	<b>0.1133</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2025**

**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	9.7500e-003	0.6262	0.1482	2.8400e-003	0.0858	5.4000e-003	0.0912	0.0235	5.1700e-003	0.0287		309.7582	309.7582	0.0106	0.0491	324.6547
Vendor	9.3300e-003	0.1765	0.1311	2.2000e-004	4.2000e-004	1.0000e-004	5.2000e-004	1.7000e-004	1.0000e-004	2.6000e-004		23.6243	23.6243	7.3000e-004	3.7500e-003	24.7614
Worker	0.0558	0.0188	0.1992	9.0000e-005	4.9000e-004	2.1000e-004	7.0000e-004	2.0000e-004	1.9000e-004	3.9000e-004		8.9703	8.9703	4.5600e-003	2.5400e-003	9.8411
<b>Total</b>	<b>0.0749</b>	<b>0.8215</b>	<b>0.4785</b>	<b>3.1500e-003</b>	<b>0.0867</b>	<b>5.7100e-003</b>	<b>0.0924</b>	<b>0.0239</b>	<b>5.4600e-003</b>	<b>0.0293</b>		<b>342.3528</b>	<b>342.3528</b>	<b>0.0159</b>	<b>0.0554</b>	<b>359.2572</b>

**3.3 Perimeter Fence Installation - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>



CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Perimeter Fence Installation - 2024**

**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	7.0000e-005	4.5500e-003	1.0700e-003	2.0000e-005	6.2000e-004	4.0000e-005	6.6000e-004	1.7000e-004	4.0000e-005	2.1000e-004		2.2787	2.2787	8.0000e-005	3.6000e-004	2.3882
Vendor	9.4300e-003	0.1774	0.1324	2.2000e-004	4.2000e-004	1.0000e-004	5.2000e-004	1.7000e-004	1.0000e-004	2.6000e-004		24.0774	24.0774	7.4000e-004	3.8300e-003	25.2358
Worker	0.0889	0.0299	0.3068	1.4000e-004	7.3000e-004	3.2000e-004	1.0500e-003	2.9000e-004	2.9000e-004	5.8000e-004		13.7270	13.7270	7.3200e-003	3.9500e-003	15.0856
<b>Total</b>	<b>0.0984</b>	<b>0.2119</b>	<b>0.4403</b>	<b>3.8000e-004</b>	<b>1.7700e-003</b>	<b>4.6000e-004</b>	<b>2.2300e-003</b>	<b>6.3000e-004</b>	<b>4.3000e-004</b>	<b>1.0500e-003</b>		<b>40.0830</b>	<b>40.0830</b>	<b>8.1400e-003</b>	<b>8.1400e-003</b>	<b>42.7096</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Perimeter Fence Installation - 2024**

**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	7.0000e-005	4.5500e-003	1.0700e-003	2.0000e-005	6.2000e-004	4.0000e-005	6.6000e-004	1.7000e-004	4.0000e-005	2.1000e-004		2.2787	2.2787	8.0000e-005	3.6000e-004	2.3882
Vendor	9.4300e-003	0.1774	0.1324	2.2000e-004	4.2000e-004	1.0000e-004	5.2000e-004	1.7000e-004	1.0000e-004	2.6000e-004		24.0774	24.0774	7.4000e-004	3.8300e-003	25.2358
Worker	0.0889	0.0299	0.3068	1.4000e-004	7.3000e-004	3.2000e-004	1.0500e-003	2.9000e-004	2.9000e-004	5.8000e-004		13.7270	13.7270	7.3200e-003	3.9500e-003	15.0856
<b>Total</b>	<b>0.0984</b>	<b>0.2119</b>	<b>0.4403</b>	<b>3.8000e-004</b>	<b>1.7700e-003</b>	<b>4.6000e-004</b>	<b>2.2300e-003</b>	<b>6.3000e-004</b>	<b>4.3000e-004</b>	<b>1.0500e-003</b>		<b>40.0830</b>	<b>40.0830</b>	<b>8.1400e-003</b>	<b>8.1400e-003</b>	<b>42.7096</b>

**3.4 Tree Removal - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Tree Removal - 2024**

**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	2.3600e-003	0.0444	0.0331	6.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	2.0000e-005	7.0000e-005		6.0193	6.0193	1.8000e-004	9.6000e-004	6.3089
Worker	0.0361	0.0121	0.1244	6.0000e-005	3.0000e-004	1.3000e-004	4.3000e-004	1.2000e-004	1.2000e-004	2.4000e-004		5.5650	5.5650	2.9700e-003	1.6000e-003	6.1158
<b>Total</b>	<b>0.0384</b>	<b>0.0565</b>	<b>0.1575</b>	<b>1.2000e-004</b>	<b>4.1000e-004</b>	<b>1.6000e-004</b>	<b>5.6000e-004</b>	<b>1.6000e-004</b>	<b>1.4000e-004</b>	<b>3.1000e-004</b>		<b>11.5843</b>	<b>11.5843</b>	<b>3.1500e-003</b>	<b>2.5600e-003</b>	<b>12.4247</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Tree Removal - 2024**

**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	2.3600e-003	0.0444	0.0331	6.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	2.0000e-005	7.0000e-005		6.0193	6.0193	1.8000e-004	9.6000e-004	6.3089
Worker	0.0361	0.0121	0.1244	6.0000e-005	3.0000e-004	1.3000e-004	4.3000e-004	1.2000e-004	1.2000e-004	2.4000e-004		5.5650	5.5650	2.9700e-003	1.6000e-003	6.1158
<b>Total</b>	<b>0.0384</b>	<b>0.0565</b>	<b>0.1575</b>	<b>1.2000e-004</b>	<b>4.1000e-004</b>	<b>1.6000e-004</b>	<b>5.6000e-004</b>	<b>1.6000e-004</b>	<b>1.4000e-004</b>	<b>3.1000e-004</b>		<b>11.5843</b>	<b>11.5843</b>	<b>3.1500e-003</b>	<b>2.5600e-003</b>	<b>12.4247</b>

**3.5 Energy Storage System - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2024**

**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	2.0000e-004	0.0129	3.0100e-003	6.0000e-005	1.7500e-003	1.1000e-004	1.8600e-003	4.8000e-004	1.1000e-004	5.9000e-004		6.4398	6.4398	2.2000e-004	1.0200e-003	6.7494
Vendor	2.3600e-003	0.0444	0.0331	6.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	2.0000e-005	7.0000e-005		6.0193	6.0193	1.8000e-004	9.6000e-004	6.3089
Worker	0.1202	0.0405	0.4146	1.8000e-004	9.9000e-004	4.3000e-004	1.4200e-003	3.9000e-004	4.0000e-004	7.9000e-004		18.5499	18.5499	9.8900e-003	5.3300e-003	20.3860
<b>Total</b>	<b>0.1227</b>	<b>0.0977</b>	<b>0.4507</b>	<b>3.0000e-004</b>	<b>2.8500e-003</b>	<b>5.7000e-004</b>	<b>3.4100e-003</b>	<b>9.1000e-004</b>	<b>5.3000e-004</b>	<b>1.4500e-003</b>		<b>31.0091</b>	<b>31.0091</b>	<b>0.0103</b>	<b>7.3100e-003</b>	<b>33.4443</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2024**

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	2.0000e-004	0.0129	3.0100e-003	6.0000e-005	1.7500e-003	1.1000e-004	1.8600e-003	4.8000e-004	1.1000e-004	5.9000e-004		6.4398	6.4398	2.2000e-004	1.0200e-003	6.7494
Vendor	2.3600e-003	0.0444	0.0331	6.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	2.0000e-005	7.0000e-005		6.0193	6.0193	1.8000e-004	9.6000e-004	6.3089
Worker	0.1202	0.0405	0.4146	1.8000e-004	9.9000e-004	4.3000e-004	1.4200e-003	3.9000e-004	4.0000e-004	7.9000e-004		18.5499	18.5499	9.8900e-003	5.3300e-003	20.3860
<b>Total</b>	<b>0.1227</b>	<b>0.0977</b>	<b>0.4507</b>	<b>3.0000e-004</b>	<b>2.8500e-003</b>	<b>5.7000e-004</b>	<b>3.4100e-003</b>	<b>9.1000e-004</b>	<b>5.3000e-004</b>	<b>1.4500e-003</b>		<b>31.0091</b>	<b>31.0091</b>	<b>0.0103</b>	<b>7.3100e-003</b>	<b>33.4443</b>

**3.5 Energy Storage System - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2025**

**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	2.0000e-004	0.0128	3.0200e-003	6.0000e-005	1.7500e-003	1.1000e-004	1.8600e-003	4.8000e-004	1.1000e-004	5.8000e-004		6.3175	6.3175	2.2000e-004	1.0000e-003	6.6213
Vendor	2.3300e-003	0.0441	0.0328	6.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	2.0000e-005	7.0000e-005		5.9061	5.9061	1.8000e-004	9.4000e-004	6.1904
Worker	0.1116	0.0376	0.3984	1.8000e-004	9.9000e-004	4.2000e-004	1.4000e-003	3.9000e-004	3.8000e-004	7.7000e-004		17.9405	17.9405	9.1200e-003	5.0800e-003	19.6822
<b>Total</b>	<b>0.1141</b>	<b>0.0945</b>	<b>0.4342</b>	<b>3.0000e-004</b>	<b>2.8500e-003</b>	<b>5.6000e-004</b>	<b>3.3900e-003</b>	<b>9.1000e-004</b>	<b>5.1000e-004</b>	<b>1.4200e-003</b>		<b>30.1641</b>	<b>30.1641</b>	<b>9.5200e-003</b>	<b>7.0200e-003</b>	<b>32.4939</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2025**

**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	2.0000e-004	0.0128	3.0200e-003	6.0000e-005	1.7500e-003	1.1000e-004	1.8600e-003	4.8000e-004	1.1000e-004	5.8000e-004		6.3175	6.3175	2.2000e-004	1.0000e-003	6.6213
Vendor	2.3300e-003	0.0441	0.0328	6.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	2.0000e-005	7.0000e-005		5.9061	5.9061	1.8000e-004	9.4000e-004	6.1904
Worker	0.1116	0.0376	0.3984	1.8000e-004	9.9000e-004	4.2000e-004	1.4000e-003	3.9000e-004	3.8000e-004	7.7000e-004		17.9405	17.9405	9.1200e-003	5.0800e-003	19.6822
<b>Total</b>	<b>0.1141</b>	<b>0.0945</b>	<b>0.4342</b>	<b>3.0000e-004</b>	<b>2.8500e-003</b>	<b>5.6000e-004</b>	<b>3.3900e-003</b>	<b>9.1000e-004</b>	<b>5.1000e-004</b>	<b>1.4200e-003</b>		<b>30.1641</b>	<b>30.1641</b>	<b>9.5200e-003</b>	<b>7.0200e-003</b>	<b>32.4939</b>

**3.6 Underground Work (Utilities) - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>



CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2024**

**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	4.0000e-005	2.6900e-003	6.3000e-004	1.0000e-005	3.7000e-004	2.0000e-005	3.9000e-004	1.0000e-004	2.0000e-005	1.2000e-004		1.3465	1.3465	5.0000e-005	2.1000e-004	1.4112
Vendor	1.1800e-003	0.0222	0.0166	3.0000e-005	5.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005		3.0097	3.0097	9.0000e-005	4.8000e-004	3.1545
Worker	0.1202	0.0405	0.4146	1.8000e-004	9.9000e-004	4.3000e-004	1.4200e-003	3.9000e-004	4.0000e-004	7.9000e-004		18.5499	18.5499	9.8900e-003	5.3300e-003	20.3860
<b>Total</b>	<b>0.1214</b>	<b>0.0653</b>	<b>0.4318</b>	<b>2.2000e-004</b>	<b>1.4100e-003</b>	<b>4.6000e-004</b>	<b>1.8800e-003</b>	<b>5.1000e-004</b>	<b>4.3000e-004</b>	<b>9.4000e-004</b>		<b>22.9061</b>	<b>22.9061</b>	<b>0.0100</b>	<b>6.0200e-003</b>	<b>24.9517</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2024**

**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	4.0000e-005	2.6900e-003	6.3000e-004	1.0000e-005	3.7000e-004	2.0000e-005	3.9000e-004	1.0000e-004	2.0000e-005	1.2000e-004		1.3465	1.3465	5.0000e-005	2.1000e-004	1.4112
Vendor	1.1800e-003	0.0222	0.0166	3.0000e-005	5.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005		3.0097	3.0097	9.0000e-005	4.8000e-004	3.1545
Worker	0.1202	0.0405	0.4146	1.8000e-004	9.9000e-004	4.3000e-004	1.4200e-003	3.9000e-004	4.0000e-004	7.9000e-004		18.5499	18.5499	9.8900e-003	5.3300e-003	20.3860
<b>Total</b>	<b>0.1214</b>	<b>0.0653</b>	<b>0.4318</b>	<b>2.2000e-004</b>	<b>1.4100e-003</b>	<b>4.6000e-004</b>	<b>1.8800e-003</b>	<b>5.1000e-004</b>	<b>4.3000e-004</b>	<b>9.4000e-004</b>		<b>22.9061</b>	<b>22.9061</b>	<b>0.0100</b>	<b>6.0200e-003</b>	<b>24.9517</b>

**3.6 Underground Work (Utilities) - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2025**

**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	4.0000e-005	2.6700e-003	6.3000e-004	1.0000e-005	3.7000e-004	2.0000e-005	3.9000e-004	1.0000e-004	2.0000e-005	1.2000e-004		1.3209	1.3209	5.0000e-005	2.1000e-004	1.3845
Vendor	1.1700e-003	0.0221	0.0164	3.0000e-005	5.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005		2.9530	2.9530	9.0000e-005	4.7000e-004	3.0952
Worker	0.1116	0.0376	0.3984	1.8000e-004	9.9000e-004	4.2000e-004	1.4000e-003	3.9000e-004	3.8000e-004	7.7000e-004		17.9405	17.9405	9.1200e-003	5.0800e-003	19.6822
<b>Total</b>	<b>0.1128</b>	<b>0.0624</b>	<b>0.4155</b>	<b>2.2000e-004</b>	<b>1.4100e-003</b>	<b>4.5000e-004</b>	<b>1.8600e-003</b>	<b>5.1000e-004</b>	<b>4.1000e-004</b>	<b>9.2000e-004</b>		<b>22.2145</b>	<b>22.2145</b>	<b>9.2600e-003</b>	<b>5.7600e-003</b>	<b>24.1619</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2025**

**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	4.0000e-005	2.6700e-003	6.3000e-004	1.0000e-005	3.7000e-004	2.0000e-005	3.9000e-004	1.0000e-004	2.0000e-005	1.2000e-004		1.3209	1.3209	5.0000e-005	2.1000e-004	1.3845
Vendor	1.1700e-003	0.0221	0.0164	3.0000e-005	5.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005		2.9530	2.9530	9.0000e-005	4.7000e-004	3.0952
Worker	0.1116	0.0376	0.3984	1.8000e-004	9.9000e-004	4.2000e-004	1.4000e-003	3.9000e-004	3.8000e-004	7.7000e-004		17.9405	17.9405	9.1200e-003	5.0800e-003	19.6822
<b>Total</b>	<b>0.1128</b>	<b>0.0624</b>	<b>0.4155</b>	<b>2.2000e-004</b>	<b>1.4100e-003</b>	<b>4.5000e-004</b>	<b>1.8600e-003</b>	<b>5.1000e-004</b>	<b>4.1000e-004</b>	<b>9.2000e-004</b>		<b>22.2145</b>	<b>22.2145</b>	<b>9.2600e-003</b>	<b>5.7600e-003</b>	<b>24.1619</b>

**3.7 System Installation - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2024**

**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	3.0000e-004	0.0192	4.5000e-003	9.0000e-005	2.6100e-003	1.7000e-004	2.7800e-003	7.2000e-004	1.6000e-004	8.7000e-004		9.6275	9.6275	3.2000e-004	1.5300e-003	10.0903
Vendor	0.0236	0.4436	0.3310	5.6000e-004	1.0500e-003	2.6000e-004	1.3100e-003	4.1000e-004	2.5000e-004	6.6000e-004		60.1935	60.1935	1.8400e-003	9.5600e-003	63.0894
Worker	0.5721	0.1925	1.9736	8.7000e-004	4.7000e-003	2.0600e-003	6.7500e-003	1.8600e-003	1.8900e-003	3.7500e-003		88.2977	88.2977	0.0471	0.0254	97.0372
<b>Total</b>	<b>0.5960</b>	<b>0.6553</b>	<b>2.3091</b>	<b>1.5200e-003</b>	<b>8.3600e-003</b>	<b>2.4900e-003</b>	<b>0.0108</b>	<b>2.9900e-003</b>	<b>2.3000e-003</b>	<b>5.2800e-003</b>		<b>158.1186</b>	<b>158.1186</b>	<b>0.0492</b>	<b>0.0365</b>	<b>170.2169</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2024**

**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	3.0000e-004	0.0192	4.5000e-003	9.0000e-005	2.6100e-003	1.7000e-004	2.7800e-003	7.2000e-004	1.6000e-004	8.7000e-004		9.6275	9.6275	3.2000e-004	1.5300e-003	10.0903
Vendor	0.0236	0.4436	0.3310	5.6000e-004	1.0500e-003	2.6000e-004	1.3100e-003	4.1000e-004	2.5000e-004	6.6000e-004		60.1935	60.1935	1.8400e-003	9.5600e-003	63.0894
Worker	0.5721	0.1925	1.9736	8.7000e-004	4.7000e-003	2.0600e-003	6.7500e-003	1.8600e-003	1.8900e-003	3.7500e-003		88.2977	88.2977	0.0471	0.0254	97.0372
<b>Total</b>	<b>0.5960</b>	<b>0.6553</b>	<b>2.3091</b>	<b>1.5200e-003</b>	<b>8.3600e-003</b>	<b>2.4900e-003</b>	<b>0.0108</b>	<b>2.9900e-003</b>	<b>2.3000e-003</b>	<b>5.2800e-003</b>		<b>158.1186</b>	<b>158.1186</b>	<b>0.0492</b>	<b>0.0365</b>	<b>170.2169</b>

**3.7 System Installation - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2025**

**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	3.0000e-004	0.0191	4.5200e-003	9.0000e-005	2.6100e-003	1.6000e-004	2.7800e-003	7.2000e-004	1.6000e-004	8.7000e-004		9.4447	9.4447	3.2000e-004	1.5000e-003	9.8989
Vendor	0.0233	0.4412	0.3278	5.5000e-004	1.0500e-003	2.5000e-004	1.3100e-003	4.1000e-004	2.4000e-004	6.6000e-004		59.0608	59.0608	1.8200e-003	9.3900e-003	61.9035
Worker	0.5313	0.1791	1.8965	8.4000e-004	4.7000e-003	1.9800e-003	6.6700e-003	1.8600e-003	1.8200e-003	3.6800e-003		85.3968	85.3968	0.0434	0.0242	93.6874
<b>Total</b>	<b>0.5549</b>	<b>0.6394</b>	<b>2.2288</b>	<b>1.4800e-003</b>	<b>8.3600e-003</b>	<b>2.3900e-003</b>	<b>0.0108</b>	<b>2.9900e-003</b>	<b>2.2200e-003</b>	<b>5.2100e-003</b>		<b>153.9023</b>	<b>153.9023</b>	<b>0.0455</b>	<b>0.0351</b>	<b>165.4898</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2025**

**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	3.0000e-004	0.0191	4.5200e-003	9.0000e-005	2.6100e-003	1.6000e-004	2.7800e-003	7.2000e-004	1.6000e-004	8.7000e-004		9.4447	9.4447	3.2000e-004	1.5000e-003	9.8989
Vendor	0.0233	0.4412	0.3278	5.5000e-004	1.0500e-003	2.5000e-004	1.3100e-003	4.1000e-004	2.4000e-004	6.6000e-004		59.0608	59.0608	1.8200e-003	9.3900e-003	61.9035
Worker	0.5313	0.1791	1.8965	8.4000e-004	4.7000e-003	1.9800e-003	6.6700e-003	1.8600e-003	1.8200e-003	3.6800e-003		85.3968	85.3968	0.0434	0.0242	93.6874
<b>Total</b>	<b>0.5549</b>	<b>0.6394</b>	<b>2.2288</b>	<b>1.4800e-003</b>	<b>8.3600e-003</b>	<b>2.3900e-003</b>	<b>0.0108</b>	<b>2.9900e-003</b>	<b>2.2200e-003</b>	<b>5.2100e-003</b>		<b>153.9023</b>	<b>153.9023</b>	<b>0.0455</b>	<b>0.0351</b>	<b>165.4898</b>

**3.8 Gen-Tie 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>



CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.8 Gen-Tie Construction - 2024**

**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	2.1000e-004	0.0134	3.1500e-003	6.0000e-005	1.8300e-003	1.2000e-004	1.9400e-003	5.0000e-004	1.1000e-004	6.1000e-004		6.7325	6.7325	2.3000e-004	1.0700e-003	7.0562
Vendor	2.3600e-003	0.0444	0.0331	6.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	2.0000e-005	7.0000e-005		6.0193	6.0193	1.8000e-004	9.6000e-004	6.3089
Worker	0.0192	6.4700e-003	0.0663	3.0000e-005	1.6000e-004	7.0000e-005	2.3000e-004	6.0000e-005	6.0000e-005	1.3000e-004		2.9680	2.9680	1.5800e-003	8.5000e-004	3.2618
<b>Total</b>	<b>0.0218</b>	<b>0.0643</b>	<b>0.1026</b>	<b>1.5000e-004</b>	<b>2.1000e-003</b>	<b>2.2000e-004</b>	<b>2.3000e-003</b>	<b>6.0000e-004</b>	<b>1.9000e-004</b>	<b>8.1000e-004</b>		<b>15.7199</b>	<b>15.7199</b>	<b>1.9900e-003</b>	<b>2.8800e-003</b>	<b>16.6269</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.8 Gen-Tie Construction - 2024**

**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	2.1000e-004	0.0134	3.1500e-003	6.0000e-005	1.8300e-003	1.2000e-004	1.9400e-003	5.0000e-004	1.1000e-004	6.1000e-004		6.7325	6.7325	2.3000e-004	1.0700e-003	7.0562
Vendor	2.3600e-003	0.0444	0.0331	6.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	2.0000e-005	7.0000e-005		6.0193	6.0193	1.8000e-004	9.6000e-004	6.3089
Worker	0.0192	6.4700e-003	0.0663	3.0000e-005	1.6000e-004	7.0000e-005	2.3000e-004	6.0000e-005	6.0000e-005	1.3000e-004		2.9680	2.9680	1.5800e-003	8.5000e-004	3.2618
<b>Total</b>	<b>0.0218</b>	<b>0.0643</b>	<b>0.1026</b>	<b>1.5000e-004</b>	<b>2.1000e-003</b>	<b>2.2000e-004</b>	<b>2.3000e-003</b>	<b>6.0000e-004</b>	<b>1.9000e-004</b>	<b>8.1000e-004</b>		<b>15.7199</b>	<b>15.7199</b>	<b>1.9900e-003</b>	<b>2.8800e-003</b>	<b>16.6269</b>

**3.9 Testing, Commissioning, Site Clean Up - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.9 Testing, Commissioning, Site Clean Up - 2025**

**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	2.9000e-004	0.0187	4.4100e-003	8.0000e-005	2.5500e-003	1.6000e-004	2.7200e-003	7.0000e-004	1.5000e-004	8.5000e-004		9.2256	9.2256	3.1000e-004	1.4600e-003	9.6692
Vendor	2.3300e-003	0.0441	0.0328	6.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	2.0000e-005	7.0000e-005		5.9061	5.9061	1.8000e-004	9.4000e-004	6.1904
Worker	0.0290	9.7800e-003	0.1036	5.0000e-005	2.6000e-004	1.1000e-004	3.6000e-004	1.0000e-004	1.0000e-004	2.0000e-004		4.6645	4.6645	2.3700e-003	1.3200e-003	5.1174
<b>Total</b>	<b>0.0316</b>	<b>0.0726</b>	<b>0.1408</b>	<b>1.9000e-004</b>	<b>2.9200e-003</b>	<b>3.0000e-004</b>	<b>3.2100e-003</b>	<b>8.4000e-004</b>	<b>2.7000e-004</b>	<b>1.1200e-003</b>		<b>19.7962</b>	<b>19.7962</b>	<b>2.8600e-003</b>	<b>3.7200e-003</b>	<b>20.9769</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.9 Testing, Commissioning, Site Clean Up - 2025**

**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	2.9000e-004	0.0187	4.4100e-003	8.0000e-005	2.5500e-003	1.6000e-004	2.7200e-003	7.0000e-004	1.5000e-004	8.5000e-004		9.2256	9.2256	3.1000e-004	1.4600e-003	9.6692
Vendor	2.3300e-003	0.0441	0.0328	6.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	2.0000e-005	7.0000e-005		5.9061	5.9061	1.8000e-004	9.4000e-004	6.1904
Worker	0.0290	9.7800e-003	0.1036	5.0000e-005	2.6000e-004	1.1000e-004	3.6000e-004	1.0000e-004	1.0000e-004	2.0000e-004		4.6645	4.6645	2.3700e-003	1.3200e-003	5.1174
<b>Total</b>	<b>0.0316</b>	<b>0.0726</b>	<b>0.1408</b>	<b>1.9000e-004</b>	<b>2.9200e-003</b>	<b>3.0000e-004</b>	<b>3.2100e-003</b>	<b>8.4000e-004</b>	<b>2.7000e-004</b>	<b>1.1200e-003</b>		<b>19.7962</b>	<b>19.7962</b>	<b>2.8600e-003</b>	<b>3.7200e-003</b>	<b>20.9769</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
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

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
User Defined Industrial	0.00	0.00	0.00		
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		

**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
Unrefrigerated Warehouse-No Rail	10.00	5.00	6.50	59.00	0.00	41.00	100	0	0
User Defined Industrial	10.00	5.00	6.50	100.00	0.00	0.00	100	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820
User Defined Industrial	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**5.0 Energy Detail**

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

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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					
Unrefrigerated Warehouse-No Rail	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
User Defined Industrial	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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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					
Unrefrigerated Warehouse-No Rail	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
User Defined Industrial	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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.2427	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
Unmitigated	0.2427	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003

**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	0.0286					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2140					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-004	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
<b>Total</b>	<b>0.2427</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.4100e-003</b>	<b>2.4100e-003</b>	<b>1.0000e-005</b>		<b>2.5600e-003</b>



CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**6.2 Area by SubCategory**

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	0.0286					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2140					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-004	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
<b>Total</b>	<b>0.2427</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.4100e-003</b>	<b>2.4100e-003</b>	<b>1.0000e-005</b>		<b>2.5600e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**CCAR Solar - Mitigated BAAQMD**

**Bay Area AQMD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	10.00	1000sqft	2,555.00	10,000.00	0
User Defined Industrial	1.00	User Defined Unit	0.00	1.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	64
<b>Climate Zone</b>	3			<b>Operational Year</b>	2025
<b>Utility Company</b>	Sacramento Municipal Utility District				
<b>CO2 Intensity (lb/MWhr)</b>	357.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - Operational year 2023.

Land Use - 2,555 acers based on total development area.

Construction Phase - Construction phasing information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant. Off-Highway Trucks include 3 water trucks and 3 dump trucks.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.



CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblEnergyUse	LightingElect	3.22	0.00
tblEnergyUse	NT24E	5.13	0.00
tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	0.93	0.00
tblEnergyUse	T24NG	16.86	0.00
tblGrading	AcresOfGrading	0.00	550.00
tblGrading	MaterialExported	0.00	250,000.00
tblLandUse	LandUseSquareFeet	0.00	1.00
tblLandUse	LotAcreage	0.23	2,555.00
tblOffRoadEquipment	HorsePower	85.00	950.00
tblOffRoadEquipment	HorsePower	158.00	172.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	300.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	200.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	168.00	350.00
tblOffRoadEquipment	HorsePower	168.00	160.00
tblOffRoadEquipment	HorsePower	168.00	790.00
tblOffRoadEquipment	HorsePower	168.00	755.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblRoadDust	CARB_PM_VMT	False	True
tblSolidWaste	SolidWasteGenerationRate	9.40	0.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tbITripsAndVMT	HaulingTripLength	20.00	23.00
tbITripsAndVMT	HaulingTripLength	20.00	23.00
tbITripsAndVMT	HaulingTripLength	20.00	23.00
tbITripsAndVMT	HaulingTripNumber	31,250.00	938.00
tbITripsAndVMT	HaulingTripNumber	0.00	2.00
tbITripsAndVMT	HaulingTripNumber	0.00	20.00
tbITripsAndVMT	HaulingTripNumber	0.00	2.00
tbITripsAndVMT	HaulingTripNumber	0.00	26.00
tbITripsAndVMT	HaulingTripNumber	0.00	2.00
tbITripsAndVMT	HaulingTripNumber	0.00	8.00
tbITripsAndVMT	VendorTripLength	6.60	0.00
tbITripsAndVMT	VendorTripLength	6.60	0.00
tbITripsAndVMT	VendorTripLength	6.60	0.00
tbITripsAndVMT	VendorTripLength	6.60	0.00
tbITripsAndVMT	VendorTripLength	6.60	0.00
tbITripsAndVMT	VendorTripLength	6.60	0.00
tbITripsAndVMT	VendorTripLength	6.60	0.00
tbITripsAndVMT	VendorTripLength	6.60	0.00
tbITripsAndVMT	VendorTripLength	6.60	0.00
tbITripsAndVMT	VendorTripNumber	0.00	16.00
tbITripsAndVMT	VendorTripNumber	0.00	16.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	VendorTripNumber	2.00	4.00
tbITripsAndVMT	VendorTripNumber	0.00	2.00
tbITripsAndVMT	VendorTripNumber	2.00	40.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	WorkerTripLength	10.80	0.00
tbITripsAndVMT	WorkerTripLength	10.80	0.00
tbITripsAndVMT	WorkerTripLength	10.80	0.00

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblTripsAndVMT	WorkerTripLength	10.80	0.00
tblTripsAndVMT	WorkerTripLength	10.80	0.00
tblTripsAndVMT	WorkerTripLength	10.80	0.00
tblTripsAndVMT	WorkerTripLength	10.80	0.00
tblTripsAndVMT	WorkerTripLength	10.80	0.00
tblTripsAndVMT	WorkerTripNumber	0.00	50.00
tblTripsAndVMT	WorkerTripNumber	0.00	74.00
tblTripsAndVMT	WorkerTripNumber	0.00	30.00
tblTripsAndVMT	WorkerTripNumber	4.00	100.00
tblTripsAndVMT	WorkerTripNumber	0.00	100.00
tblTripsAndVMT	WorkerTripNumber	4.00	476.00
tblTripsAndVMT	WorkerTripNumber	0.00	16.00
tblTripsAndVMT	WorkerTripNumber	0.00	26.00
tblVehicleTrips	CC_TL	6.60	5.00
tblVehicleTrips	CC_TL	6.60	5.00
tblVehicleTrips	CNW_TL	6.60	6.50
tblVehicleTrips	CNW_TL	6.60	6.50
tblVehicleTrips	CW_TL	14.70	10.00
tblVehicleTrips	CW_TL	14.70	10.00
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00



CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblWater	AnaDigestCogenCombDigestGasPercent	0.00	85.00
tblWater	AnaDigestCogenCombDigestGasPercent	0.00	85.00
tblWater	AnaDigestCombDigestGasPercent	100.00	15.00
tblWater	AnaDigestCombDigestGasPercent	100.00	15.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	2,312,500.00	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

**2.0 Emissions Summary**

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CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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					
2024	0.7727	1.8644	5.3041	5.4200e-003	2.8811	9.5400e-003	2.8907	0.3346	9.0100e-003	0.3436	0.0000	578.6460	578.6460	0.1122	0.1159	615.9762
2025	0.6988	1.7621	4.9856	5.1600e-003	2.8791	9.1800e-003	2.8882	0.3340	8.6700e-003	0.3427	0.0000	550.2829	550.2829	0.1020	0.1094	585.4465
<b>Maximum</b>	<b>0.7727</b>	<b>1.8644</b>	<b>5.3041</b>	<b>5.4200e-003</b>	<b>2.8811</b>	<b>9.5400e-003</b>	<b>2.8907</b>	<b>0.3346</b>	<b>9.0100e-003</b>	<b>0.3436</b>	<b>0.0000</b>	<b>578.6460</b>	<b>578.6460</b>	<b>0.1122</b>	<b>0.1159</b>	<b>615.9762</b>

**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					
2024	0.7727	1.8644	5.3041	5.4200e-003	1.1313	9.5400e-003	1.1408	0.1422	9.0100e-003	0.1512	0.0000	578.6460	578.6460	0.1122	0.1159	615.9762
2025	0.6988	1.7621	4.9856	5.1600e-003	1.1292	9.1800e-003	1.1384	0.1416	8.6700e-003	0.1502	0.0000	550.2829	550.2829	0.1020	0.1094	585.4465
<b>Maximum</b>	<b>0.7727</b>	<b>1.8644</b>	<b>5.3041</b>	<b>5.4200e-003</b>	<b>1.1313</b>	<b>9.5400e-003</b>	<b>1.1408</b>	<b>0.1422</b>	<b>9.0100e-003</b>	<b>0.1512</b>	<b>0.0000</b>	<b>578.6460</b>	<b>578.6460</b>	<b>0.1122</b>	<b>0.1159</b>	<b>615.9762</b>

## CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	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	60.76	0.00	60.56	57.57	0.00	56.09	0.00	0.00	0.00	0.00	0.00	0.00

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.2427	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
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
<b>Total</b>	<b>0.2427</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>2.4100e-003</b>	<b>2.4100e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>2.5600e-003</b>

**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	0.2427	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
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
<b>Total</b>	<b>0.2427</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>2.4100e-003</b>	<b>2.4100e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>2.5600e-003</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	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	3/1/2024	1/2/2025	5	220	
2	Perimeter Fence Installation	Site Preparation	3/1/2024	5/30/2024	5	65	
3	Tree Removal	Site Preparation	3/1/2024	6/4/2024	5	68	
4	Energy Storage System	Building Construction	8/1/2024	6/18/2025	5	230	
5	Underground Work (Utilities)	Trenching	9/1/2024	1/31/2025	5	110	
6	System Installation	Building Construction	9/25/2024	7/1/2025	5	200	
7	Gen-Tie Construction	Trenching	10/1/2024	10/30/2024	5	22	
8	Testing, Commissioning, Site Clean Up	Trenching	6/1/2025	8/27/2025	5	63	

**Acres of Grading (Site Preparation Phase): 550**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Off-Highway Trucks	0	8.00	402	0.38
Site Preparation	Rollers	0	8.00	80	0.38

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Scrapers	0	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Perimeter Fence Installation	Off-Highway Trucks	0	8.00	150	0.38
Perimeter Fence Installation	Rough Terrain Forklifts	0	8.00	100	0.40
Perimeter Fence Installation	Rubber Tired Dozers	0	0.00	247	0.40
Perimeter Fence Installation	Skid Steer Loaders	0	8.00	65	0.37
Perimeter Fence Installation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Tree Removal	Crushing/Proc. Equipment	0	8.00	950	0.78
Tree Removal	Excavators	0	8.00	172	0.38
Tree Removal	Other Material Handling Equipment	0	8.00	350	0.40
Tree Removal	Other Material Handling Equipment	0	8.00	160	0.40
Tree Removal	Other Material Handling Equipment	0	8.00	790	0.40
Tree Removal	Other Material Handling Equipment	0	8.00	755	0.40
Tree Removal	Rubber Tired Dozers	0	8.00	247	0.40
Tree Removal	Skid Steer Loaders	0	8.00	65	0.37
Tree Removal	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Energy Storage System	Cranes	0	8.00	231	0.29
Energy Storage System	Forklifts	0	0.00	89	0.20
Energy Storage System	Generator Sets	0	0.00	84	0.74
Energy Storage System	Graders	0	8.00	187	0.41
Energy Storage System	Off-Highway Trucks	0	8.00	150	0.38
Energy Storage System	Rough Terrain Forklifts	0	8.00	100	0.40
Energy Storage System	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Energy Storage System	Welders	0	0.00	46	0.45
Underground Work (Utilities)	Cranes	0	0.00	231	0.29
Underground Work (Utilities)	Excavators	0	8.00	158	0.38
Underground Work (Utilities)	Off-Highway Trucks	0	8.00	300	0.38
Underground Work (Utilities)	Other Construction Equipment	0	8.00	172	0.42

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Underground Work (Utilities)	Rollers	0	8.00	80	0.38
Underground Work (Utilities)	Rough Terrain Forklifts	0	8.00	100	0.40
System Installation	Cranes	0	8.00	231	0.29
System Installation	Forklifts	0	0.00	89	0.20
System Installation	Generator Sets	0	8.00	84	0.74
System Installation	Off-Highway Trucks	0	8.00	150	0.38
System Installation	Other Construction Equipment	0	8.00	172	0.42
System Installation	Rough Terrain Forklifts	0	8.00	100	0.40
System Installation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
System Installation	Welders	0	0.00	46	0.45
Gen-Tie Construction	Off-Highway Trucks	0	8.00	200	0.38
Testing, Commissioning, Site Clean Up	Graders	0	8.00	187	0.41
Testing, Commissioning, Site Clean Up	Off-Highway Trucks	0	8.00	150	0.38
Testing, Commissioning, Site Clean Up	Skid Steer Loaders	0	8.00	65	0.37

**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	0	50.00	16.00	938.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT
Perimeter Fence Installation	0	74.00	16.00	2.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT
Tree Removal	0	30.00	4.00	0.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT
Energy Storage System	0	100.00	4.00	20.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT
Underground Work (Utilities)	0	100.00	2.00	2.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT
System Installation	0	476.00	40.00	26.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT
Gen-Tie Construction	0	16.00	4.00	2.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT
Testing, Commissioning, Site Clean Up	0	26.00	4.00	8.00	0.00	0.00	23.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

**3.2 Site Preparation - 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					
Fugitive Dust					2.7798	0.0000	2.7798	0.3057	0.0000	0.3057			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.7798</b>	<b>0.0000</b>	<b>2.7798</b>	<b>0.3057</b>	<b>0.0000</b>	<b>0.3057</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>



CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2024**

**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	9.2600e-003	0.6664	0.1494	2.9000e-003	0.0858	5.4200e-003	0.0912	0.0235	5.1900e-003	0.0287		316.0198	316.0198	0.0106	0.0501	331.2098
Vendor	8.4800e-003	0.1884	0.1410	2.3000e-004	4.2000e-004	1.2000e-004	5.4000e-004	1.7000e-004	1.1000e-004	2.8000e-004		24.5808	24.5808	7.0000e-004	3.9200e-003	25.7653
Worker	0.0490	0.0249	0.3074	9.0000e-005	4.9000e-004	2.2000e-004	7.1000e-004	2.0000e-004	2.0000e-004	3.9000e-004		9.2361	9.2361	6.6000e-003	3.0900e-003	10.3205
<b>Total</b>	<b>0.0668</b>	<b>0.8797</b>	<b>0.5977</b>	<b>3.2200e-003</b>	<b>0.0867</b>	<b>5.7600e-003</b>	<b>0.0924</b>	<b>0.0239</b>	<b>5.5000e-003</b>	<b>0.0294</b>		<b>349.8367</b>	<b>349.8367</b>	<b>0.0179</b>	<b>0.0571</b>	<b>367.2956</b>

**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					1.0299	0.0000	1.0299	0.1133	0.0000	0.1133			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0299</b>	<b>0.0000</b>	<b>1.0299</b>	<b>0.1133</b>	<b>0.0000</b>	<b>0.1133</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2024**

**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	9.2600e-003	0.6664	0.1494	2.9000e-003	0.0858	5.4200e-003	0.0912	0.0235	5.1900e-003	0.0287		316.0198	316.0198	0.0106	0.0501	331.2098
Vendor	8.4800e-003	0.1884	0.1410	2.3000e-004	4.2000e-004	1.2000e-004	5.4000e-004	1.7000e-004	1.1000e-004	2.8000e-004		24.5808	24.5808	7.0000e-004	3.9200e-003	25.7653
Worker	0.0490	0.0249	0.3074	9.0000e-005	4.9000e-004	2.2000e-004	7.1000e-004	2.0000e-004	2.0000e-004	3.9000e-004		9.2361	9.2361	6.6000e-003	3.0900e-003	10.3205
<b>Total</b>	<b>0.0668</b>	<b>0.8797</b>	<b>0.5977</b>	<b>3.2200e-003</b>	<b>0.0867</b>	<b>5.7600e-003</b>	<b>0.0924</b>	<b>0.0239</b>	<b>5.5000e-003</b>	<b>0.0294</b>		<b>349.8367</b>	<b>349.8367</b>	<b>0.0179</b>	<b>0.0571</b>	<b>367.2956</b>

**3.2 Site Preparation - 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					
Fugitive Dust					2.7798	0.0000	2.7798	0.3057	0.0000	0.3057			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.7798</b>	<b>0.0000</b>	<b>2.7798</b>	<b>0.3057</b>	<b>0.0000</b>	<b>0.3057</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2025**

**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	9.2000e-003	0.6622	0.1498	2.8400e-003	0.0858	5.4100e-003	0.0912	0.0235	5.1800e-003	0.0287		310.0202	310.0202	0.0105	0.0492	324.9290
Vendor	8.3700e-003	0.1875	0.1395	2.2000e-004	4.2000e-004	1.2000e-004	5.4000e-004	1.7000e-004	1.1000e-004	2.8000e-004		24.1282	24.1282	6.9000e-004	3.8400e-003	25.2913
Worker	0.0452	0.0232	0.2953	9.0000e-005	4.9000e-004	2.1000e-004	7.0000e-004	2.0000e-004	1.9000e-004	3.9000e-004		8.9303	8.9303	6.0700e-003	2.9400e-003	9.9583
<b>Total</b>	<b>0.0628</b>	<b>0.8729</b>	<b>0.5846</b>	<b>3.1500e-003</b>	<b>0.0867</b>	<b>5.7400e-003</b>	<b>0.0924</b>	<b>0.0239</b>	<b>5.4800e-003</b>	<b>0.0294</b>		<b>343.0787</b>	<b>343.0787</b>	<b>0.0173</b>	<b>0.0559</b>	<b>360.1785</b>

**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					1.0299	0.0000	1.0299	0.1133	0.0000	0.1133			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0299</b>	<b>0.0000</b>	<b>1.0299</b>	<b>0.1133</b>	<b>0.0000</b>	<b>0.1133</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2025**

**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	9.2000e-003	0.6622	0.1498	2.8400e-003	0.0858	5.4100e-003	0.0912	0.0235	5.1800e-003	0.0287		310.0202	310.0202	0.0105	0.0492	324.9290
Vendor	8.3700e-003	0.1875	0.1395	2.2000e-004	4.2000e-004	1.2000e-004	5.4000e-004	1.7000e-004	1.1000e-004	2.8000e-004		24.1282	24.1282	6.9000e-004	3.8400e-003	25.2913
Worker	0.0452	0.0232	0.2953	9.0000e-005	4.9000e-004	2.1000e-004	7.0000e-004	2.0000e-004	1.9000e-004	3.9000e-004		8.9303	8.9303	6.0700e-003	2.9400e-003	9.9583
<b>Total</b>	<b>0.0628</b>	<b>0.8729</b>	<b>0.5846</b>	<b>3.1500e-003</b>	<b>0.0867</b>	<b>5.7400e-003</b>	<b>0.0924</b>	<b>0.0239</b>	<b>5.4800e-003</b>	<b>0.0294</b>		<b>343.0787</b>	<b>343.0787</b>	<b>0.0173</b>	<b>0.0559</b>	<b>360.1785</b>

**3.3 Perimeter Fence Installation - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Perimeter Fence Installation - 2024**

**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	7.0000e-005	4.8100e-003	1.0800e-003	2.0000e-005	6.2000e-004	4.0000e-005	6.6000e-004	1.7000e-004	4.0000e-005	2.1000e-004		2.2806	2.2806	8.0000e-005	3.6000e-004	2.3902
Vendor	8.4800e-003	0.1884	0.1410	2.3000e-004	4.2000e-004	1.2000e-004	5.4000e-004	1.7000e-004	1.1000e-004	2.8000e-004		24.5808	24.5808	7.0000e-004	3.9200e-003	25.7653
Worker	0.0726	0.0369	0.4549	1.4000e-004	7.3000e-004	3.2000e-004	1.0500e-003	2.9000e-004	2.9000e-004	5.8000e-004		13.6694	13.6694	9.7600e-003	4.5700e-003	15.2744
<b>Total</b>	<b>0.0811</b>	<b>0.2301</b>	<b>0.5970</b>	<b>3.9000e-004</b>	<b>1.7700e-003</b>	<b>4.8000e-004</b>	<b>2.2500e-003</b>	<b>6.3000e-004</b>	<b>4.4000e-004</b>	<b>1.0700e-003</b>		<b>40.5309</b>	<b>40.5309</b>	<b>0.0105</b>	<b>8.8500e-003</b>	<b>43.4299</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Perimeter Fence Installation - 2024**

**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	7.0000e-005	4.8100e-003	1.0800e-003	2.0000e-005	6.2000e-004	4.0000e-005	6.6000e-004	1.7000e-004	4.0000e-005	2.1000e-004		2.2806	2.2806	8.0000e-005	3.6000e-004	2.3902
Vendor	8.4800e-003	0.1884	0.1410	2.3000e-004	4.2000e-004	1.2000e-004	5.4000e-004	1.7000e-004	1.1000e-004	2.8000e-004		24.5808	24.5808	7.0000e-004	3.9200e-003	25.7653
Worker	0.0726	0.0369	0.4549	1.4000e-004	7.3000e-004	3.2000e-004	1.0500e-003	2.9000e-004	2.9000e-004	5.8000e-004		13.6694	13.6694	9.7600e-003	4.5700e-003	15.2744
<b>Total</b>	<b>0.0811</b>	<b>0.2301</b>	<b>0.5970</b>	<b>3.9000e-004</b>	<b>1.7700e-003</b>	<b>4.8000e-004</b>	<b>2.2500e-003</b>	<b>6.3000e-004</b>	<b>4.4000e-004</b>	<b>1.0700e-003</b>		<b>40.5309</b>	<b>40.5309</b>	<b>0.0105</b>	<b>8.8500e-003</b>	<b>43.4299</b>

**3.4 Tree Removal - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Tree Removal - 2024**

**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	2.1200e-003	0.0471	0.0353	6.0000e-005	1.1000e-004	3.0000e-005	1.4000e-004	4.0000e-005	3.0000e-005	7.0000e-005		6.1452	6.1452	1.8000e-004	9.8000e-004	6.4413
Worker	0.0294	0.0150	0.1844	5.0000e-005	3.0000e-004	1.3000e-004	4.3000e-004	1.2000e-004	1.2000e-004	2.4000e-004		5.5417	5.5417	3.9600e-003	1.8500e-003	6.1923
<b>Total</b>	<b>0.0315</b>	<b>0.0621</b>	<b>0.2197</b>	<b>1.1000e-004</b>	<b>4.1000e-004</b>	<b>1.6000e-004</b>	<b>5.7000e-004</b>	<b>1.6000e-004</b>	<b>1.5000e-004</b>	<b>3.1000e-004</b>		<b>11.6869</b>	<b>11.6869</b>	<b>4.1400e-003</b>	<b>2.8300e-003</b>	<b>12.6336</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Tree Removal - 2024**

**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	2.1200e-003	0.0471	0.0353	6.0000e-005	1.1000e-004	3.0000e-005	1.4000e-004	4.0000e-005	3.0000e-005	7.0000e-005		6.1452	6.1452	1.8000e-004	9.8000e-004	6.4413
Worker	0.0294	0.0150	0.1844	5.0000e-005	3.0000e-004	1.3000e-004	4.3000e-004	1.2000e-004	1.2000e-004	2.4000e-004		5.5417	5.5417	3.9600e-003	1.8500e-003	6.1923
<b>Total</b>	<b>0.0315</b>	<b>0.0621</b>	<b>0.2197</b>	<b>1.1000e-004</b>	<b>4.1000e-004</b>	<b>1.6000e-004</b>	<b>5.7000e-004</b>	<b>1.6000e-004</b>	<b>1.5000e-004</b>	<b>3.1000e-004</b>		<b>11.6869</b>	<b>11.6869</b>	<b>4.1400e-003</b>	<b>2.8300e-003</b>	<b>12.6336</b>

**3.5 Energy Storage System - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>



CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2024**

**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	1.9000e-004	0.0136	3.0500e-003	6.0000e-005	1.7500e-003	1.1000e-004	1.8600e-003	4.8000e-004	1.1000e-004	5.9000e-004		6.4452	6.4452	2.2000e-004	1.0200e-003	6.7550
Vendor	2.1200e-003	0.0471	0.0353	6.0000e-005	1.1000e-004	3.0000e-005	1.4000e-004	4.0000e-005	3.0000e-005	7.0000e-005		6.1452	6.1452	1.8000e-004	9.8000e-004	6.4413
Worker	0.0981	0.0499	0.6148	1.8000e-004	9.9000e-004	4.3000e-004	1.4200e-003	3.9000e-004	4.0000e-004	7.9000e-004		18.4722	18.4722	0.0132	6.1700e-003	20.6410
<b>Total</b>	<b>0.1004</b>	<b>0.1106</b>	<b>0.6531</b>	<b>3.0000e-004</b>	<b>2.8500e-003</b>	<b>5.7000e-004</b>	<b>3.4200e-003</b>	<b>9.1000e-004</b>	<b>5.4000e-004</b>	<b>1.4500e-003</b>		<b>31.0626</b>	<b>31.0626</b>	<b>0.0136</b>	<b>8.1700e-003</b>	<b>33.8374</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2024**

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	1.9000e-004	0.0136	3.0500e-003	6.0000e-005	1.7500e-003	1.1000e-004	1.8600e-003	4.8000e-004	1.1000e-004	5.9000e-004		6.4452	6.4452	2.2000e-004	1.0200e-003	6.7550
Vendor	2.1200e-003	0.0471	0.0353	6.0000e-005	1.1000e-004	3.0000e-005	1.4000e-004	4.0000e-005	3.0000e-005	7.0000e-005		6.1452	6.1452	1.8000e-004	9.8000e-004	6.4413
Worker	0.0981	0.0499	0.6148	1.8000e-004	9.9000e-004	4.3000e-004	1.4200e-003	3.9000e-004	4.0000e-004	7.9000e-004		18.4722	18.4722	0.0132	6.1700e-003	20.6410
<b>Total</b>	<b>0.1004</b>	<b>0.1106</b>	<b>0.6531</b>	<b>3.0000e-004</b>	<b>2.8500e-003</b>	<b>5.7000e-004</b>	<b>3.4200e-003</b>	<b>9.1000e-004</b>	<b>5.4000e-004</b>	<b>1.4500e-003</b>		<b>31.0626</b>	<b>31.0626</b>	<b>0.0136</b>	<b>8.1700e-003</b>	<b>33.8374</b>

**3.5 Energy Storage System - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2025**

**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	1.9000e-004	0.0135	3.0600e-003	6.0000e-005	1.7500e-003	1.1000e-004	1.8600e-003	4.8000e-004	1.1000e-004	5.8000e-004		6.3228	6.3228	2.2000e-004	1.0000e-003	6.6269
Vendor	2.0900e-003	0.0469	0.0349	6.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	3.0000e-005	7.0000e-005		6.0320	6.0320	1.7000e-004	9.6000e-004	6.3228
Worker	0.0904	0.0464	0.5905	1.8000e-004	9.9000e-004	4.2000e-004	1.4000e-003	3.9000e-004	3.8000e-004	7.7000e-004		17.8607	17.8607	0.0122	5.8800e-003	19.9165
<b>Total</b>	<b>0.0927</b>	<b>0.1068</b>	<b>0.6284</b>	<b>3.0000e-004</b>	<b>2.8500e-003</b>	<b>5.6000e-004</b>	<b>3.3900e-003</b>	<b>9.1000e-004</b>	<b>5.2000e-004</b>	<b>1.4200e-003</b>		<b>30.2156</b>	<b>30.2156</b>	<b>0.0125</b>	<b>7.8400e-003</b>	<b>32.8663</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2025**

**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	1.9000e-004	0.0135	3.0600e-003	6.0000e-005	1.7500e-003	1.1000e-004	1.8600e-003	4.8000e-004	1.1000e-004	5.8000e-004		6.3228	6.3228	2.2000e-004	1.0000e-003	6.6269
Vendor	2.0900e-003	0.0469	0.0349	6.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	3.0000e-005	7.0000e-005		6.0320	6.0320	1.7000e-004	9.6000e-004	6.3228
Worker	0.0904	0.0464	0.5905	1.8000e-004	9.9000e-004	4.2000e-004	1.4000e-003	3.9000e-004	3.8000e-004	7.7000e-004		17.8607	17.8607	0.0122	5.8800e-003	19.9165
<b>Total</b>	<b>0.0927</b>	<b>0.1068</b>	<b>0.6284</b>	<b>3.0000e-004</b>	<b>2.8500e-003</b>	<b>5.6000e-004</b>	<b>3.3900e-003</b>	<b>9.1000e-004</b>	<b>5.2000e-004</b>	<b>1.4200e-003</b>		<b>30.2156</b>	<b>30.2156</b>	<b>0.0125</b>	<b>7.8400e-003</b>	<b>32.8663</b>

**3.6 Underground Work (Utilities) - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2024**

**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	4.0000e-005	2.8400e-003	6.4000e-004	1.0000e-005	3.7000e-004	2.0000e-005	3.9000e-004	1.0000e-004	2.0000e-005	1.2000e-004		1.3476	1.3476	5.0000e-005	2.1000e-004	1.4124
Vendor	1.0600e-003	0.0236	0.0176	3.0000e-005	5.0000e-005	2.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	4.0000e-005		3.0726	3.0726	9.0000e-005	4.9000e-004	3.2207
Worker	0.0981	0.0499	0.6148	1.8000e-004	9.9000e-004	4.3000e-004	1.4200e-003	3.9000e-004	4.0000e-004	7.9000e-004		18.4722	18.4722	0.0132	6.1700e-003	20.6410
<b>Total</b>	<b>0.0992</b>	<b>0.0763</b>	<b>0.6331</b>	<b>2.2000e-004</b>	<b>1.4100e-003</b>	<b>4.7000e-004</b>	<b>1.8800e-003</b>	<b>5.1000e-004</b>	<b>4.3000e-004</b>	<b>9.5000e-004</b>		<b>22.8924</b>	<b>22.8924</b>	<b>0.0133</b>	<b>6.8700e-003</b>	<b>25.2741</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2024**

**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	4.0000e-005	2.8400e-003	6.4000e-004	1.0000e-005	3.7000e-004	2.0000e-005	3.9000e-004	1.0000e-004	2.0000e-005	1.2000e-004		1.3476	1.3476	5.0000e-005	2.1000e-004	1.4124
Vendor	1.0600e-003	0.0236	0.0176	3.0000e-005	5.0000e-005	2.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	4.0000e-005		3.0726	3.0726	9.0000e-005	4.9000e-004	3.2207
Worker	0.0981	0.0499	0.6148	1.8000e-004	9.9000e-004	4.3000e-004	1.4200e-003	3.9000e-004	4.0000e-004	7.9000e-004		18.4722	18.4722	0.0132	6.1700e-003	20.6410
<b>Total</b>	<b>0.0992</b>	<b>0.0763</b>	<b>0.6331</b>	<b>2.2000e-004</b>	<b>1.4100e-003</b>	<b>4.7000e-004</b>	<b>1.8800e-003</b>	<b>5.1000e-004</b>	<b>4.3000e-004</b>	<b>9.5000e-004</b>		<b>22.8924</b>	<b>22.8924</b>	<b>0.0133</b>	<b>6.8700e-003</b>	<b>25.2741</b>

**3.6 Underground Work (Utilities) - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2025**

**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	4.0000e-005	2.8200e-003	6.4000e-004	1.0000e-005	3.7000e-004	2.0000e-005	3.9000e-004	1.0000e-004	2.0000e-005	1.2000e-004		1.3221	1.3221	4.0000e-005	2.1000e-004	1.3856
Vendor	1.0500e-003	0.0234	0.0174	3.0000e-005	5.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005		3.0160	3.0160	9.0000e-005	4.8000e-004	3.1614
Worker	0.0904	0.0464	0.5905	1.8000e-004	9.9000e-004	4.2000e-004	1.4000e-003	3.9000e-004	3.8000e-004	7.7000e-004		17.8607	17.8607	0.0122	5.8800e-003	19.9165
<b>Total</b>	<b>0.0915</b>	<b>0.0727</b>	<b>0.6086</b>	<b>2.2000e-004</b>	<b>1.4100e-003</b>	<b>4.5000e-004</b>	<b>1.8600e-003</b>	<b>5.1000e-004</b>	<b>4.1000e-004</b>	<b>9.2000e-004</b>		<b>22.1988</b>	<b>22.1988</b>	<b>0.0123</b>	<b>6.5700e-003</b>	<b>24.4636</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2025**

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	4.0000e-005	2.8200e-003	6.4000e-004	1.0000e-005	3.7000e-004	2.0000e-005	3.9000e-004	1.0000e-004	2.0000e-005	1.2000e-004		1.3221	1.3221	4.0000e-005	2.1000e-004	1.3856
Vendor	1.0500e-003	0.0234	0.0174	3.0000e-005	5.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005		3.0160	3.0160	9.0000e-005	4.8000e-004	3.1614
Worker	0.0904	0.0464	0.5905	1.8000e-004	9.9000e-004	4.2000e-004	1.4000e-003	3.9000e-004	3.8000e-004	7.7000e-004		17.8607	17.8607	0.0122	5.8800e-003	19.9165
<b>Total</b>	<b>0.0915</b>	<b>0.0727</b>	<b>0.6086</b>	<b>2.2000e-004</b>	<b>1.4100e-003</b>	<b>4.5000e-004</b>	<b>1.8600e-003</b>	<b>5.1000e-004</b>	<b>4.1000e-004</b>	<b>9.2000e-004</b>		<b>22.1988</b>	<b>22.1988</b>	<b>0.0123</b>	<b>6.5700e-003</b>	<b>24.4636</b>

**3.7 System Installation - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>



CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2024**

**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	2.8000e-004	0.0203	4.5500e-003	9.0000e-005	2.6100e-003	1.7000e-004	2.7800e-003	7.2000e-004	1.6000e-004	8.7000e-004		9.6356	9.6356	3.2000e-004	1.5300e-003	10.0987
Vendor	0.0212	0.4709	0.3525	5.7000e-004	1.0500e-003	3.0000e-004	1.3500e-003	4.1000e-004	2.9000e-004	7.0000e-004		61.4521	61.4521	1.7500e-003	9.7900e-003	64.4132
Worker	0.4669	0.2374	2.9264	8.7000e-004	4.7000e-003	2.0600e-003	6.7500e-003	1.8600e-003	1.8900e-003	3.7500e-003		87.9277	87.9277	0.0628	0.0294	98.2513
<b>Total</b>	<b>0.4883</b>	<b>0.7286</b>	<b>3.2834</b>	<b>1.5300e-003</b>	<b>8.3600e-003</b>	<b>2.5300e-003</b>	<b>0.0109</b>	<b>2.9900e-003</b>	<b>2.3400e-003</b>	<b>5.3200e-003</b>		<b>159.0153</b>	<b>159.0153</b>	<b>0.0649</b>	<b>0.0407</b>	<b>172.7632</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2024**

**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	2.8000e-004	0.0203	4.5500e-003	9.0000e-005	2.6100e-003	1.7000e-004	2.7800e-003	7.2000e-004	1.6000e-004	8.7000e-004		9.6356	9.6356	3.2000e-004	1.5300e-003	10.0987
Vendor	0.0212	0.4709	0.3525	5.7000e-004	1.0500e-003	3.0000e-004	1.3500e-003	4.1000e-004	2.9000e-004	7.0000e-004		61.4521	61.4521	1.7500e-003	9.7900e-003	64.4132
Worker	0.4669	0.2374	2.9264	8.7000e-004	4.7000e-003	2.0600e-003	6.7500e-003	1.8600e-003	1.8900e-003	3.7500e-003		87.9277	87.9277	0.0628	0.0294	98.2513
<b>Total</b>	<b>0.4883</b>	<b>0.7286</b>	<b>3.2834</b>	<b>1.5300e-003</b>	<b>8.3600e-003</b>	<b>2.5300e-003</b>	<b>0.0109</b>	<b>2.9900e-003</b>	<b>2.3400e-003</b>	<b>5.3200e-003</b>		<b>159.0153</b>	<b>159.0153</b>	<b>0.0649</b>	<b>0.0407</b>	<b>172.7632</b>

**3.7 System Installation - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2025**

**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	2.8000e-004	0.0202	4.5700e-003	9.0000e-005	2.6100e-003	1.6000e-004	2.7800e-003	7.2000e-004	1.6000e-004	8.7000e-004		9.4526	9.4526	3.2000e-004	1.5000e-003	9.9072
Vendor	0.0209	0.4687	0.3487	5.6000e-004	1.0500e-003	2.9000e-004	1.3500e-003	4.1000e-004	2.8000e-004	6.9000e-004		60.3204	60.3204	1.7300e-003	9.6100e-003	63.2282
Worker	0.4305	0.2208	2.8108	8.4000e-004	4.7000e-003	1.9800e-003	6.6700e-003	1.8600e-003	1.8200e-003	3.6800e-003		85.0169	85.0169	0.0578	0.0280	94.8028
<b>Total</b>	<b>0.4517</b>	<b>0.7097</b>	<b>3.1640</b>	<b>1.4900e-003</b>	<b>8.3600e-003</b>	<b>2.4300e-003</b>	<b>0.0108</b>	<b>2.9900e-003</b>	<b>2.2600e-003</b>	<b>5.2400e-003</b>		<b>154.7899</b>	<b>154.7899</b>	<b>0.0599</b>	<b>0.0391</b>	<b>167.9381</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2025**

**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	2.8000e-004	0.0202	4.5700e-003	9.0000e-005	2.6100e-003	1.6000e-004	2.7800e-003	7.2000e-004	1.6000e-004	8.7000e-004		9.4526	9.4526	3.2000e-004	1.5000e-003	9.9072
Vendor	0.0209	0.4687	0.3487	5.6000e-004	1.0500e-003	2.9000e-004	1.3500e-003	4.1000e-004	2.8000e-004	6.9000e-004		60.3204	60.3204	1.7300e-003	9.6100e-003	63.2282
Worker	0.4305	0.2208	2.8108	8.4000e-004	4.7000e-003	1.9800e-003	6.6700e-003	1.8600e-003	1.8200e-003	3.6800e-003		85.0169	85.0169	0.0578	0.0280	94.8028
<b>Total</b>	<b>0.4517</b>	<b>0.7097</b>	<b>3.1640</b>	<b>1.4900e-003</b>	<b>8.3600e-003</b>	<b>2.4300e-003</b>	<b>0.0108</b>	<b>2.9900e-003</b>	<b>2.2600e-003</b>	<b>5.2400e-003</b>		<b>154.7899</b>	<b>154.7899</b>	<b>0.0599</b>	<b>0.0391</b>	<b>167.9381</b>

**3.8 Gen-Tie 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.8 Gen-Tie Construction - 2024**

**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	2.0000e-004	0.0142	3.1800e-003	6.0000e-005	1.8300e-003	1.2000e-004	1.9400e-003	5.0000e-004	1.1000e-004	6.1000e-004		6.7382	6.7382	2.3000e-004	1.0700e-003	7.0620
Vendor	2.1200e-003	0.0471	0.0353	6.0000e-005	1.1000e-004	3.0000e-005	1.4000e-004	4.0000e-005	3.0000e-005	7.0000e-005		6.1452	6.1452	1.8000e-004	9.8000e-004	6.4413
Worker	0.0157	7.9800e-003	0.0984	3.0000e-005	1.6000e-004	7.0000e-005	2.3000e-004	6.0000e-005	6.0000e-005	1.3000e-004		2.9556	2.9556	2.1100e-003	9.9000e-004	3.3026
<b>Total</b>	<b>0.0180</b>	<b>0.0693</b>	<b>0.1368</b>	<b>1.5000e-004</b>	<b>2.1000e-003</b>	<b>2.2000e-004</b>	<b>2.3100e-003</b>	<b>6.0000e-004</b>	<b>2.0000e-004</b>	<b>8.1000e-004</b>		<b>15.8389</b>	<b>15.8389</b>	<b>2.5200e-003</b>	<b>3.0400e-003</b>	<b>16.8059</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.8 Gen-Tie Construction - 2024**

**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	2.0000e-004	0.0142	3.1800e-003	6.0000e-005	1.8300e-003	1.2000e-004	1.9400e-003	5.0000e-004	1.1000e-004	6.1000e-004		6.7382	6.7382	2.3000e-004	1.0700e-003	7.0620
Vendor	2.1200e-003	0.0471	0.0353	6.0000e-005	1.1000e-004	3.0000e-005	1.4000e-004	4.0000e-005	3.0000e-005	7.0000e-005		6.1452	6.1452	1.8000e-004	9.8000e-004	6.4413
Worker	0.0157	7.9800e-003	0.0984	3.0000e-005	1.6000e-004	7.0000e-005	2.3000e-004	6.0000e-005	6.0000e-005	1.3000e-004		2.9556	2.9556	2.1100e-003	9.9000e-004	3.3026
<b>Total</b>	<b>0.0180</b>	<b>0.0693</b>	<b>0.1368</b>	<b>1.5000e-004</b>	<b>2.1000e-003</b>	<b>2.2000e-004</b>	<b>2.3100e-003</b>	<b>6.0000e-004</b>	<b>2.0000e-004</b>	<b>8.1000e-004</b>		<b>15.8389</b>	<b>15.8389</b>	<b>2.5200e-003</b>	<b>3.0400e-003</b>	<b>16.8059</b>

**3.9 Testing, Commissioning, Site Clean Up - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.9 Testing, Commissioning, Site Clean Up - 2025**

**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	2.7000e-004	0.0197	4.4600e-003	8.0000e-005	2.5500e-003	1.6000e-004	2.7200e-003	7.0000e-004	1.5000e-004	8.5000e-004		9.2334	9.2334	3.1000e-004	1.4600e-003	9.6774
Vendor	2.0900e-003	0.0469	0.0349	6.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	3.0000e-005	7.0000e-005		6.0320	6.0320	1.7000e-004	9.6000e-004	6.3228
Worker	0.0235	0.0121	0.1535	5.0000e-005	2.6000e-004	1.1000e-004	3.6000e-004	1.0000e-004	1.0000e-004	2.0000e-004		4.6438	4.6438	3.1600e-003	1.5300e-003	5.1783
<b>Total</b>	<b>0.0259</b>	<b>0.0787</b>	<b>0.1929</b>	<b>1.9000e-004</b>	<b>2.9200e-003</b>	<b>3.0000e-004</b>	<b>3.2100e-003</b>	<b>8.4000e-004</b>	<b>2.8000e-004</b>	<b>1.1200e-003</b>		<b>19.9092</b>	<b>19.9092</b>	<b>3.6400e-003</b>	<b>3.9500e-003</b>	<b>21.1785</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.9 Testing, Commissioning, Site Clean Up - 2025**

**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	2.7000e-004	0.0197	4.4600e-003	8.0000e-005	2.5500e-003	1.6000e-004	2.7200e-003	7.0000e-004	1.5000e-004	8.5000e-004		9.2334	9.2334	3.1000e-004	1.4600e-003	9.6774
Vendor	2.0900e-003	0.0469	0.0349	6.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	3.0000e-005	7.0000e-005		6.0320	6.0320	1.7000e-004	9.6000e-004	6.3228
Worker	0.0235	0.0121	0.1535	5.0000e-005	2.6000e-004	1.1000e-004	3.6000e-004	1.0000e-004	1.0000e-004	2.0000e-004		4.6438	4.6438	3.1600e-003	1.5300e-003	5.1783
<b>Total</b>	<b>0.0259</b>	<b>0.0787</b>	<b>0.1929</b>	<b>1.9000e-004</b>	<b>2.9200e-003</b>	<b>3.0000e-004</b>	<b>3.2100e-003</b>	<b>8.4000e-004</b>	<b>2.8000e-004</b>	<b>1.1200e-003</b>		<b>19.9092</b>	<b>19.9092</b>	<b>3.6400e-003</b>	<b>3.9500e-003</b>	<b>21.1785</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**



CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
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

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
User Defined Industrial	0.00	0.00	0.00		
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		

**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
Unrefrigerated Warehouse-No Rail	10.00	5.00	6.50	59.00	0.00	41.00	100	0	0
User Defined Industrial	10.00	5.00	6.50	100.00	0.00	0.00	100	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820
User Defined Industrial	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**5.0 Energy Detail**

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

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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					
Unrefrigerated Warehouse-No Rail	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
User Defined Industrial	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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

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					
Unrefrigerated Warehouse-No Rail	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
User Defined Industrial	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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

CCAR Solar - Mitigated BAAQMD - Bay Area AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.2427	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
Unmitigated	0.2427	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003

**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	0.0286					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2140					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-004	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
<b>Total</b>	<b>0.2427</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.4100e-003</b>	<b>2.4100e-003</b>	<b>1.0000e-005</b>		<b>2.5600e-003</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**6.2 Area by SubCategory**

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	0.0286					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2140					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-004	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
<b>Total</b>	<b>0.2427</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.4100e-003</b>	<b>2.4100e-003</b>	<b>1.0000e-005</b>		<b>2.5600e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

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**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	10.00	1000sqft	2,555.00	10,000.00	0
User Defined Industrial	1.00	User Defined Unit	0.00	1.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	55
<b>Climate Zone</b>	3			<b>Operational Year</b>	2025
<b>Utility Company</b>	Sacramento Municipal Utility District				
<b>CO2 Intensity (lb/MWhr)</b>	357.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - Operational year 2023.

Land Use - 2,555 acers based on total development area.

Construction Phase - Construction phasing information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant. Off-Highway Trucks include 3 water trucks and 3 dump trucks.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Trips and VMT - Construction trip information is based on data provided by the project applicant.

On-road Fugitive Dust - Assumed 0.5 miles of travel on unpaved roads for worker vehicles.

Grading - 250,000 cy of export

Vehicle Trips - construction only

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating -

Landscape Equipment -

Energy Use - no energy

Water And Wastewater - no water

Solid Waste - no waste

Construction Off-road Equipment Mitigation - Included watering 3x daily, unpaved road stabilization and vehicle speed reduction as Enhanced Fugitive PM dust control control in practices as recommended by the SMAQMD

Fleet Mix - CalEEMod defaults.

Stationary Sources - Emergency Generators and Fire Pumps - NA

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	24.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	16.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblEnergyUse	LightingElect	3.22	0.00
tblEnergyUse	NT24E	5.13	0.00
tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	0.93	0.00
tblEnergyUse	T24NG	16.86	0.00
tblGrading	AcresOfGrading	0.00	550.00
tblGrading	MaterialExported	0.00	250,000.00
tblLandUse	LandUseSquareFeet	0.00	1.00
tblLandUse	LotAcreage	0.23	2,555.00
tblOffRoadEquipment	HorsePower	85.00	950.00
tblOffRoadEquipment	HorsePower	158.00	172.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	300.00
tblOffRoadEquipment	HorsePower	402.00	150.00

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblOffRoadEquipment	HorsePower	402.00	200.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	168.00	350.00
tblOffRoadEquipment	HorsePower	168.00	160.00
tblOffRoadEquipment	HorsePower	168.00	790.00
tblOffRoadEquipment	HorsePower	168.00	755.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tbITripsAndVMT	VendorTripLength	9.00	0.00
tbITripsAndVMT	VendorTripNumber	0.00	16.00
tbITripsAndVMT	VendorTripNumber	0.00	16.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	VendorTripNumber	2.00	4.00
tbITripsAndVMT	VendorTripNumber	0.00	2.00
tbITripsAndVMT	VendorTripNumber	2.00	40.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripNumber	0.00	50.00
tbITripsAndVMT	WorkerTripNumber	0.00	74.00
tbITripsAndVMT	WorkerTripNumber	0.00	30.00
tbITripsAndVMT	WorkerTripNumber	4.00	100.00
tbITripsAndVMT	WorkerTripNumber	0.00	100.00
tbITripsAndVMT	WorkerTripNumber	4.00	476.00
tbITripsAndVMT	WorkerTripNumber	0.00	16.00
tbITripsAndVMT	WorkerTripNumber	0.00	26.00
tbIVehicleTrips	CC_TL	8.00	5.00
tbIVehicleTrips	CC_TL	8.00	5.00
tbIVehicleTrips	CNW_TL	9.00	6.50
tbIVehicleTrips	CNW_TL	9.00	6.50

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblVehicleTrips	CW_TL	15.00	10.00
tblVehicleTrips	CW_TL	15.00	10.00
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaDigestCogenCombDigestGasPercent	0.00	85.00
tblWater	AnaDigestCogenCombDigestGasPercent	0.00	85.00
tblWater	AnaDigestCombDigestGasPercent	100.00	15.00
tblWater	AnaDigestCombDigestGasPercent	100.00	15.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	2,312,500.00	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

**2.0 Emissions Summary**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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					
2024	0.0447	0.1685	0.2442	6.1000e-004	0.3203	1.1500e-003	0.3215	0.0377	1.0900e-003	0.0388	0.0000	58.6110	58.6110	4.1700e-003	0.0102	61.7500
2025	0.0431	0.0608	0.2267	1.4000e-004	0.3069	2.3000e-004	0.3071	0.0340	2.1000e-004	0.0342	0.0000	13.2776	13.2776	4.1000e-003	3.0900e-003	14.3005
<b>Maximum</b>	<b>0.0447</b>	<b>0.1685</b>	<b>0.2442</b>	<b>6.1000e-004</b>	<b>0.3203</b>	<b>1.1500e-003</b>	<b>0.3215</b>	<b>0.0377</b>	<b>1.0900e-003</b>	<b>0.0388</b>	<b>0.0000</b>	<b>58.6110</b>	<b>58.6110</b>	<b>4.1700e-003</b>	<b>0.0102</b>	<b>61.7500</b>

**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					
2024	0.0447	0.1685	0.2442	6.1000e-004	0.1278	1.1500e-003	0.1290	0.0165	1.0900e-003	0.0176	0.0000	58.6110	58.6110	4.1700e-003	0.0102	61.7500
2025	0.0431	0.0608	0.2267	1.4000e-004	0.1144	2.3000e-004	0.1146	0.0128	2.1000e-004	0.0130	0.0000	13.2776	13.2776	4.1000e-003	3.0900e-003	14.3005
<b>Maximum</b>	<b>0.0447</b>	<b>0.1685</b>	<b>0.2442</b>	<b>6.1000e-004</b>	<b>0.1278</b>	<b>1.1500e-003</b>	<b>0.1290</b>	<b>0.0165</b>	<b>1.0900e-003</b>	<b>0.0176</b>	<b>0.0000</b>	<b>58.6110</b>	<b>58.6110</b>	<b>4.1700e-003</b>	<b>0.0102</b>	<b>61.7500</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	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	61.38	0.00	61.24	59.07	0.00	58.01	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2024	3-31-2024	0.0184	0.0184
2	4-1-2024	6-30-2024	0.0477	0.0477
3	7-1-2024	9-30-2024	0.0491	0.0491
4	10-1-2024	12-31-2024	0.0992	0.0992
5	1-1-2025	3-31-2025	0.0514	0.0514
6	4-1-2025	6-30-2025	0.0545	0.0545
7	7-1-2025	9-30-2025	0.0031	0.0031
		Highest	0.0992	0.0992

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.0420	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-004	2.0000e-004	0.0000	0.0000	2.1000e-004
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
<b>Total</b>	<b>0.0420</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.1000e-004</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**2.2 Overall Operational**

**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	0.0420	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-004	2.0000e-004	0.0000	0.0000	2.1000e-004
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
<b>Total</b>	<b>0.0420</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.1000e-004</b>

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

**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	3/1/2024	1/2/2025	5	220	
2	Perimeter Fence Installation	Site Preparation	3/1/2024	5/30/2024	5	65	
3	Tree Removal	Site Preparation	3/1/2024	6/4/2024	5	68	

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4	Energy Storage System	Building Construction	8/1/2024	6/18/2025	5	230
5	Underground Work (Utilities)	Trenching	9/1/2024	1/31/2025	5	110
6	System Installation	Building Construction	9/25/2024	7/1/2025	5	200
7	Gen-Tie Construction	Trenching	10/1/2024	10/30/2024	5	22
8	Testing, Comissioning, Site Clean Up	Trenching	6/1/2025	8/27/2025	5	63

**Acres of Grading (Site Preparation Phase): 550**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Off-Highway Trucks	0	8.00	402	0.38
Site Preparation	Rollers	0	8.00	80	0.38
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Scrapers	0	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Perimeter Fence Installation	Off-Highway Trucks	0	8.00	150	0.38
Perimeter Fence Installation	Rough Terrain Forklifts	0	8.00	100	0.40
Perimeter Fence Installation	Rubber Tired Dozers	0	0.00	247	0.40
Perimeter Fence Installation	Skid Steer Loaders	0	8.00	65	0.37
Perimeter Fence Installation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Tree Removal	Crushing/Proc. Equipment	0	8.00	950	0.78
Tree Removal	Excavators	0	8.00	172	0.38
Tree Removal	Other Material Handling Equipment	0	8.00	350	0.40
Tree Removal	Other Material Handling Equipment	0	8.00	160	0.40

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Tree Removal	Other Material Handling Equipment	0	8.00	790	0.40
Tree Removal	Other Material Handling Equipment	0	8.00	755	0.40
Tree Removal	Rubber Tired Dozers	0	8.00	247	0.40
Tree Removal	Skid Steer Loaders	0	8.00	65	0.37
Tree Removal	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Energy Storage System	Cranes	0	8.00	231	0.29
Energy Storage System	Forklifts	0	0.00	89	0.20
Energy Storage System	Generator Sets	0	0.00	84	0.74
Energy Storage System	Graders	0	8.00	187	0.41
Energy Storage System	Off-Highway Trucks	0	8.00	150	0.38
Energy Storage System	Rough Terrain Forklifts	0	8.00	100	0.40
Energy Storage System	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Energy Storage System	Welders	0	0.00	46	0.45
Underground Work (Utilities)	Cranes	0	0.00	231	0.29
Underground Work (Utilities)	Excavators	0	8.00	158	0.38
Underground Work (Utilities)	Off-Highway Trucks	0	8.00	300	0.38
Underground Work (Utilities)	Other Construction Equipment	0	8.00	172	0.42
Underground Work (Utilities)	Rollers	0	8.00	80	0.38
Underground Work (Utilities)	Rough Terrain Forklifts	0	8.00	100	0.40
System Installation	Cranes	0	8.00	231	0.29
System Installation	Forklifts	0	0.00	89	0.20
System Installation	Generator Sets	0	8.00	84	0.74
System Installation	Off-Highway Trucks	0	8.00	150	0.38
System Installation	Other Construction Equipment	0	8.00	172	0.42
System Installation	Rough Terrain Forklifts	0	8.00	100	0.40
System Installation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
System Installation	Welders	0	0.00	46	0.45
Gen-Tie Construction	Off-Highway Trucks	0	8.00	200	0.38
Testing, Comissioning, Site Clean Up	Graders	0	8.00	187	0.41

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Testing, Commissioning, Site Clean Up	Off-Highway Trucks	0	8.00	150	0.38
Testing, Commissioning, Site Clean Up	Skid Steer Loaders	0	8.00	65	0.37

**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	0	50.00	16.00	938.00	0.00	0.00	34.80	LD_Mix	HDT_Mix	HHDT
Perimeter Fence Installation	0	74.00	16.00	2.00	0.00	0.00	34.80	LD_Mix	HDT_Mix	HHDT
Tree Removal	0	30.00	4.00	0.00	0.00	0.00	34.80	LD_Mix	HDT_Mix	HHDT
Energy Storage System	0	100.00	4.00	20.00	0.00	0.00	34.80	LD_Mix	HDT_Mix	HHDT
Underground Work (Utilities)	0	100.00	2.00	2.00	0.00	0.00	34.80	LD_Mix	HDT_Mix	HHDT
System Installation	0	476.00	40.00	26.00	0.00	0.00	34.80	LD_Mix	HDT_Mix	HHDT
Gen-Tie Construction	0	16.00	4.00	2.00	0.00	0.00	34.80	LD_Mix	HDT_Mix	HHDT
Testing, Commissioning, Site Clean Up	0	26.00	4.00	8.00	0.00	0.00	34.80	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 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					
Fugitive Dust					0.3058	0.0000	0.3058	0.0336	0.0000	0.0336	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.3058</b>	<b>0.0000</b>	<b>0.3058</b>	<b>0.0336</b>	<b>0.0000</b>	<b>0.0336</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.4000e-003	0.0949	0.0164	4.7000e-004	0.0137	9.4000e-004	0.0147	3.7800e-003	9.0000e-004	4.6700e-003	0.0000	44.6691	44.6691	7.0000e-005	7.0200e-003	46.7630
Vendor	1.1600e-003	0.0228	0.0173	3.0000e-005	5.0000e-005	1.0000e-005	6.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	2.8345	2.8345	6.0000e-005	4.5000e-004	2.9692
Worker	6.2100e-003	2.5800e-003	0.0286	1.0000e-005	5.0000e-005	2.0000e-005	8.0000e-005	2.0000e-005	2.0000e-005	4.0000e-005	0.0000	0.9266	0.9266	6.1000e-004	2.9000e-004	1.0295
<b>Total</b>	<b>8.7700e-003</b>	<b>0.1203</b>	<b>0.0623</b>	<b>5.1000e-004</b>	<b>0.0138</b>	<b>9.7000e-004</b>	<b>0.0148</b>	<b>3.8200e-003</b>	<b>9.3000e-004</b>	<b>4.7400e-003</b>	<b>0.0000</b>	<b>48.4302</b>	<b>48.4302</b>	<b>7.4000e-004</b>	<b>7.7600e-003</b>	<b>50.7616</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2024**

**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					0.1133	0.0000	0.1133	0.0125	0.0000	0.0125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.1133</b>	<b>0.0000</b>	<b>0.1133</b>	<b>0.0125</b>	<b>0.0000</b>	<b>0.0125</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.4000e-003	0.0949	0.0164	4.7000e-004	0.0137	9.4000e-004	0.0147	3.7800e-003	9.0000e-004	4.6700e-003	0.0000	44.6691	44.6691	7.0000e-005	7.0200e-003	46.7630
Vendor	1.1600e-003	0.0228	0.0173	3.0000e-005	5.0000e-005	1.0000e-005	6.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	2.8345	2.8345	6.0000e-005	4.5000e-004	2.9692
Worker	6.2100e-003	2.5800e-003	0.0286	1.0000e-005	5.0000e-005	2.0000e-005	8.0000e-005	2.0000e-005	2.0000e-005	4.0000e-005	0.0000	0.9266	0.9266	6.1000e-004	2.9000e-004	1.0295
<b>Total</b>	<b>8.7700e-003</b>	<b>0.1203</b>	<b>0.0623</b>	<b>5.1000e-004</b>	<b>0.0138</b>	<b>9.7000e-004</b>	<b>0.0148</b>	<b>3.8200e-003</b>	<b>9.3000e-004</b>	<b>4.7400e-003</b>	<b>0.0000</b>	<b>48.4302</b>	<b>48.4302</b>	<b>7.4000e-004</b>	<b>7.7600e-003</b>	<b>50.7616</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 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					
Fugitive Dust					0.3058	0.0000	0.3058	0.0336	0.0000	0.0336	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.3058</b>	<b>0.0000</b>	<b>0.3058</b>	<b>0.0336</b>	<b>0.0000</b>	<b>0.0336</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.0000e-005	8.6000e-004	1.5000e-004	0.0000	1.3000e-004	1.0000e-005	1.3000e-004	3.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.4012	0.4012	0.0000	6.0000e-005	0.4200
Vendor	1.0000e-005	2.1000e-004	1.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0254	0.0254	0.0000	0.0000	0.0267
Worker	5.0000e-005	2.0000e-005	2.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	8.2200e-003	8.2200e-003	1.0000e-005	0.0000	9.1100e-003
<b>Total</b>	<b>7.0000e-005</b>	<b>1.0900e-003</b>	<b>5.6000e-004</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>1.0000e-005</b>	<b>1.3000e-004</b>	<b>3.0000e-005</b>	<b>1.0000e-005</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.4348</b>	<b>0.4348</b>	<b>1.0000e-005</b>	<b>6.0000e-005</b>	<b>0.4557</b>

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**3.2 Site Preparation - 2025**

**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					0.1133	0.0000	0.1133	0.0125	0.0000	0.0125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.1133</b>	<b>0.0000</b>	<b>0.1133</b>	<b>0.0125</b>	<b>0.0000</b>	<b>0.0125</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.0000e-005	8.6000e-004	1.5000e-004	0.0000	1.3000e-004	1.0000e-005	1.3000e-004	3.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.4012	0.4012	0.0000	6.0000e-005	0.4200
Vendor	1.0000e-005	2.1000e-004	1.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0254	0.0254	0.0000	0.0000	0.0267
Worker	5.0000e-005	2.0000e-005	2.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	8.2200e-003	8.2200e-003	1.0000e-005	0.0000	9.1100e-003
<b>Total</b>	<b>7.0000e-005</b>	<b>1.0900e-003</b>	<b>5.6000e-004</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>1.0000e-005</b>	<b>1.3000e-004</b>	<b>3.0000e-005</b>	<b>1.0000e-005</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.4348</b>	<b>0.4348</b>	<b>1.0000e-005</b>	<b>6.0000e-005</b>	<b>0.4557</b>



CCAR Solar - Mitigated YSAQMD - Yolo/Solano AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Perimeter Fence Installation - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	2.0000e-004	4.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0961	0.0961	0.0000	2.0000e-005	0.1006
Vendor	3.5000e-004	6.8000e-003	5.1600e-003	1.0000e-005	1.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.8452	0.8452	2.0000e-005	1.3000e-004	0.8853
Worker	2.7400e-003	1.1400e-003	0.0126	0.0000	2.0000e-005	1.0000e-005	3.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.4089	0.4089	2.7000e-004	1.3000e-004	0.4543
<b>Total</b>	<b>3.0900e-003</b>	<b>8.1400e-003</b>	<b>0.0178</b>	<b>1.0000e-005</b>	<b>6.0000e-005</b>	<b>1.0000e-005</b>	<b>8.0000e-005</b>	<b>3.0000e-005</b>	<b>1.0000e-005</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.3502</b>	<b>1.3502</b>	<b>2.9000e-004</b>	<b>2.8000e-004</b>	<b>1.4402</b>

CCAR Solar - Mitigated YSAQMD - Yolo/Solano AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Perimeter Fence Installation - 2024**

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	2.0000e-004	4.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0961	0.0961	0.0000	2.0000e-005	0.1006
Vendor	3.5000e-004	6.8000e-003	5.1600e-003	1.0000e-005	1.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.8452	0.8452	2.0000e-005	1.3000e-004	0.8853
Worker	2.7400e-003	1.1400e-003	0.0126	0.0000	2.0000e-005	1.0000e-005	3.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.4089	0.4089	2.7000e-004	1.3000e-004	0.4543
<b>Total</b>	<b>3.0900e-003</b>	<b>8.1400e-003</b>	<b>0.0178</b>	<b>1.0000e-005</b>	<b>6.0000e-005</b>	<b>1.0000e-005</b>	<b>8.0000e-005</b>	<b>3.0000e-005</b>	<b>1.0000e-005</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.3502</b>	<b>1.3502</b>	<b>2.9000e-004</b>	<b>2.8000e-004</b>	<b>1.4402</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Tree Removal - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	9.0000e-005	1.7800e-003	1.3500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2210	0.2210	0.0000	3.0000e-005	0.2315
Worker	1.1600e-003	4.8000e-004	5.3500e-003	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.1734	0.1734	1.1000e-004	6.0000e-005	0.1927
<b>Total</b>	<b>1.2500e-003</b>	<b>2.2600e-003</b>	<b>6.7000e-003</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.3945</b>	<b>0.3945</b>	<b>1.1000e-004</b>	<b>9.0000e-005</b>	<b>0.4242</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Tree Removal - 2024**

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	9.0000e-005	1.7800e-003	1.3500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2210	0.2210	0.0000	3.0000e-005	0.2315
Worker	1.1600e-003	4.8000e-004	5.3500e-003	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.1734	0.1734	1.1000e-004	6.0000e-005	0.1927
<b>Total</b>	<b>1.2500e-003</b>	<b>2.2600e-003</b>	<b>6.7000e-003</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.3945</b>	<b>0.3945</b>	<b>1.1000e-004</b>	<b>9.0000e-005</b>	<b>0.4242</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.0000e-005	9.7000e-004	1.7000e-004	0.0000	1.4000e-004	1.0000e-005	1.5000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.4555	0.4555	0.0000	7.0000e-005	0.4769
Vendor	1.5000e-004	2.8500e-003	2.1600e-003	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.3543	0.3543	1.0000e-005	6.0000e-005	0.3712
Worker	6.2100e-003	2.5800e-003	0.0286	1.0000e-005	5.0000e-005	2.0000e-005	8.0000e-005	2.0000e-005	2.0000e-005	4.0000e-005	0.0000	0.9266	0.9266	6.1000e-004	2.9000e-004	1.0295
<b>Total</b>	<b>6.3700e-003</b>	<b>6.4000e-003</b>	<b>0.0309</b>	<b>1.0000e-005</b>	<b>2.0000e-004</b>	<b>3.0000e-005</b>	<b>2.4000e-004</b>	<b>6.0000e-005</b>	<b>3.0000e-005</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>1.7364</b>	<b>1.7364</b>	<b>6.2000e-004</b>	<b>4.2000e-004</b>	<b>1.8775</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2024**

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.0000e-005	9.7000e-004	1.7000e-004	0.0000	1.4000e-004	1.0000e-005	1.5000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.4555	0.4555	0.0000	7.0000e-005	0.4769
Vendor	1.5000e-004	2.8500e-003	2.1600e-003	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.3543	0.3543	1.0000e-005	6.0000e-005	0.3712
Worker	6.2100e-003	2.5800e-003	0.0286	1.0000e-005	5.0000e-005	2.0000e-005	8.0000e-005	2.0000e-005	2.0000e-005	4.0000e-005	0.0000	0.9266	0.9266	6.1000e-004	2.9000e-004	1.0295
<b>Total</b>	<b>6.3700e-003</b>	<b>6.4000e-003</b>	<b>0.0309</b>	<b>1.0000e-005</b>	<b>2.0000e-004</b>	<b>3.0000e-005</b>	<b>2.4000e-004</b>	<b>6.0000e-005</b>	<b>3.0000e-005</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>1.7364</b>	<b>1.7364</b>	<b>6.2000e-004</b>	<b>4.2000e-004</b>	<b>1.8775</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	2.0000e-005	1.0600e-003	1.8000e-004	1.0000e-005	1.6000e-004	1.0000e-005	1.7000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.4950	0.4950	0.0000	8.0000e-005	0.5182
Vendor	1.6000e-004	3.1500e-003	2.3700e-003	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.3848	0.3848	1.0000e-005	6.0000e-005	0.4030
Worker	6.3700e-003	2.6600e-003	0.0305	1.0000e-005	6.0000e-005	3.0000e-005	9.0000e-005	2.0000e-005	2.0000e-005	5.0000e-005	0.0000	0.9941	0.9941	6.2000e-004	3.1000e-004	1.1023
<b>Total</b>	<b>6.5500e-003</b>	<b>6.8700e-003</b>	<b>0.0330</b>	<b>2.0000e-005</b>	<b>2.3000e-004</b>	<b>4.0000e-005</b>	<b>2.7000e-004</b>	<b>6.0000e-005</b>	<b>3.0000e-005</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>1.8738</b>	<b>1.8738</b>	<b>6.3000e-004</b>	<b>4.5000e-004</b>	<b>2.0236</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2025**

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	2.0000e-005	1.0600e-003	1.8000e-004	1.0000e-005	1.6000e-004	1.0000e-005	1.7000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.4950	0.4950	0.0000	8.0000e-005	0.5182
Vendor	1.6000e-004	3.1500e-003	2.3700e-003	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.3848	0.3848	1.0000e-005	6.0000e-005	0.4030
Worker	6.3700e-003	2.6600e-003	0.0305	1.0000e-005	6.0000e-005	3.0000e-005	9.0000e-005	2.0000e-005	2.0000e-005	5.0000e-005	0.0000	0.9941	0.9941	6.2000e-004	3.1000e-004	1.1023
<b>Total</b>	<b>6.5500e-003</b>	<b>6.8700e-003</b>	<b>0.0330</b>	<b>2.0000e-005</b>	<b>2.3000e-004</b>	<b>4.0000e-005</b>	<b>2.7000e-004</b>	<b>6.0000e-005</b>	<b>3.0000e-005</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>1.8738</b>	<b>1.8738</b>	<b>6.3000e-004</b>	<b>4.5000e-004</b>	<b>2.0236</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.6000e-004	3.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0760	0.0760	0.0000	1.0000e-005	0.0796
Vendor	6.0000e-005	1.1400e-003	8.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1414	0.1414	0.0000	2.0000e-005	0.1481
Worker	4.9600e-003	2.0600e-003	0.0228	1.0000e-005	4.0000e-005	2.0000e-005	6.0000e-005	2.0000e-005	2.0000e-005	3.0000e-005	0.0000	0.7396	0.7396	4.9000e-004	2.3000e-004	0.8217
<b>Total</b>	<b>5.0200e-003</b>	<b>3.3600e-003</b>	<b>0.0237</b>	<b>1.0000e-005</b>	<b>6.0000e-005</b>	<b>2.0000e-005</b>	<b>8.0000e-005</b>	<b>3.0000e-005</b>	<b>2.0000e-005</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.9570</b>	<b>0.9570</b>	<b>4.9000e-004</b>	<b>2.6000e-004</b>	<b>1.0494</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2024**

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.6000e-004	3.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0760	0.0760	0.0000	1.0000e-005	0.0796
Vendor	6.0000e-005	1.1400e-003	8.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1414	0.1414	0.0000	2.0000e-005	0.1481
Worker	4.9600e-003	2.0600e-003	0.0228	1.0000e-005	4.0000e-005	2.0000e-005	6.0000e-005	2.0000e-005	2.0000e-005	3.0000e-005	0.0000	0.7396	0.7396	4.9000e-004	2.3000e-004	0.8217
<b>Total</b>	<b>5.0200e-003</b>	<b>3.3600e-003</b>	<b>0.0237</b>	<b>1.0000e-005</b>	<b>6.0000e-005</b>	<b>2.0000e-005</b>	<b>8.0000e-005</b>	<b>3.0000e-005</b>	<b>2.0000e-005</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.9570</b>	<b>0.9570</b>	<b>4.9000e-004</b>	<b>2.6000e-004</b>	<b>1.0494</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0197	0.0197	0.0000	0.0000	0.0206
Vendor	2.0000e-005	3.0000e-004	2.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0366	0.0366	0.0000	1.0000e-005	0.0383
Worker	1.2100e-003	5.1000e-004	5.7900e-003	0.0000	1.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.1890	0.1890	1.2000e-004	6.0000e-005	0.2095
<b>Total</b>	<b>1.2300e-003</b>	<b>8.5000e-004</b>	<b>6.0300e-003</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.2452</b>	<b>0.2452</b>	<b>1.2000e-004</b>	<b>7.0000e-005</b>	<b>0.2684</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2025**

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0197	0.0197	0.0000	0.0000	0.0206
Vendor	2.0000e-005	3.0000e-004	2.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0366	0.0366	0.0000	1.0000e-005	0.0383
Worker	1.2100e-003	5.1000e-004	5.7900e-003	0.0000	1.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.1890	0.1890	1.2000e-004	6.0000e-005	0.2095
<b>Total</b>	<b>1.2300e-003</b>	<b>8.5000e-004</b>	<b>6.0300e-003</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.2452</b>	<b>0.2452</b>	<b>1.2000e-004</b>	<b>7.0000e-005</b>	<b>0.2684</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.0000e-005	9.3000e-004	1.6000e-004	0.0000	1.3000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.4373	0.4373	0.0000	7.0000e-005	0.4578
Vendor	9.3000e-004	0.0183	0.0139	2.0000e-005	4.0000e-005	1.0000e-005	5.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	2.2754	2.2754	5.0000e-005	3.6000e-004	2.3835
Worker	0.0190	7.9000e-003	0.0874	3.0000e-005	1.6000e-004	7.0000e-005	2.4000e-004	7.0000e-005	7.0000e-005	1.3000e-004	0.0000	2.8324	2.8324	1.8600e-003	9.0000e-004	3.1470
<b>Total</b>	<b>0.0199</b>	<b>0.0271</b>	<b>0.1014</b>	<b>5.0000e-005</b>	<b>3.3000e-004</b>	<b>9.0000e-005</b>	<b>4.3000e-004</b>	<b>1.2000e-004</b>	<b>9.0000e-005</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>5.5452</b>	<b>5.5452</b>	<b>1.9100e-003</b>	<b>1.3300e-003</b>	<b>5.9883</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2024**

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.0000e-005	9.3000e-004	1.6000e-004	0.0000	1.3000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.4373	0.4373	0.0000	7.0000e-005	0.4578
Vendor	9.3000e-004	0.0183	0.0139	2.0000e-005	4.0000e-005	1.0000e-005	5.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	2.2754	2.2754	5.0000e-005	3.6000e-004	2.3835
Worker	0.0190	7.9000e-003	0.0874	3.0000e-005	1.6000e-004	7.0000e-005	2.4000e-004	7.0000e-005	7.0000e-005	1.3000e-004	0.0000	2.8324	2.8324	1.8600e-003	9.0000e-004	3.1470
<b>Total</b>	<b>0.0199</b>	<b>0.0271</b>	<b>0.1014</b>	<b>5.0000e-005</b>	<b>3.3000e-004</b>	<b>9.0000e-005</b>	<b>4.3000e-004</b>	<b>1.2000e-004</b>	<b>9.0000e-005</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>5.5452</b>	<b>5.5452</b>	<b>1.9100e-003</b>	<b>1.3300e-003</b>	<b>5.9883</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	3.0000e-005	1.7100e-003	3.0000e-004	1.0000e-005	2.5000e-004	2.0000e-005	2.7000e-004	7.0000e-005	2.0000e-005	8.0000e-005	0.0000	0.7951	0.7951	0.0000	1.2000e-004	0.8324
Vendor	1.7100e-003	0.0339	0.0255	4.0000e-005	7.0000e-005	2.0000e-005	9.0000e-005	3.0000e-005	2.0000e-005	4.0000e-005	0.0000	4.1338	4.1338	8.0000e-005	6.5000e-004	4.3301
Worker	0.0326	0.0136	0.1558	6.0000e-005	3.1000e-004	1.3000e-004	4.4000e-004	1.2000e-004	1.2000e-004	2.4000e-004	0.0000	5.0836	5.0836	3.1800e-003	1.5900e-003	5.6372
<b>Total</b>	<b>0.0343</b>	<b>0.0492</b>	<b>0.1816</b>	<b>1.1000e-004</b>	<b>6.3000e-004</b>	<b>1.7000e-004</b>	<b>8.0000e-004</b>	<b>2.2000e-004</b>	<b>1.6000e-004</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>10.0125</b>	<b>10.0125</b>	<b>3.2600e-003</b>	<b>2.3600e-003</b>	<b>10.7997</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2025**

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	3.0000e-005	1.7100e-003	3.0000e-004	1.0000e-005	2.5000e-004	2.0000e-005	2.7000e-004	7.0000e-005	2.0000e-005	8.0000e-005	0.0000	0.7951	0.7951	0.0000	1.2000e-004	0.8324
Vendor	1.7100e-003	0.0339	0.0255	4.0000e-005	7.0000e-005	2.0000e-005	9.0000e-005	3.0000e-005	2.0000e-005	4.0000e-005	0.0000	4.1338	4.1338	8.0000e-005	6.5000e-004	4.3301
Worker	0.0326	0.0136	0.1558	6.0000e-005	3.1000e-004	1.3000e-004	4.4000e-004	1.2000e-004	1.2000e-004	2.4000e-004	0.0000	5.0836	5.0836	3.1800e-003	1.5900e-003	5.6372
<b>Total</b>	<b>0.0343</b>	<b>0.0492</b>	<b>0.1816</b>	<b>1.1000e-004</b>	<b>6.3000e-004</b>	<b>1.7000e-004</b>	<b>8.0000e-004</b>	<b>2.2000e-004</b>	<b>1.6000e-004</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>10.0125</b>	<b>10.0125</b>	<b>3.2600e-003</b>	<b>2.3600e-003</b>	<b>10.7997</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.8 Gen-Tie 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	2.0000e-004	4.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0961	0.0961	0.0000	2.0000e-005	0.1006
Vendor	3.0000e-005	5.8000e-004	4.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0715	0.0715	0.0000	1.0000e-005	0.0749
Worker	2.0000e-004	8.0000e-005	9.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0299	0.0299	2.0000e-005	1.0000e-005	0.0333
<b>Total</b>	<b>2.3000e-004</b>	<b>8.6000e-004</b>	<b>1.4000e-003</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.1976</b>	<b>0.1976</b>	<b>2.0000e-005</b>	<b>4.0000e-005</b>	<b>0.2088</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.8 Gen-Tie Construction - 2024**

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	2.0000e-004	4.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0961	0.0961	0.0000	2.0000e-005	0.1006
Vendor	3.0000e-005	5.8000e-004	4.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0715	0.0715	0.0000	1.0000e-005	0.0749
Worker	2.0000e-004	8.0000e-005	9.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0299	0.0299	2.0000e-005	1.0000e-005	0.0333
<b>Total</b>	<b>2.3000e-004</b>	<b>8.6000e-004</b>	<b>1.4000e-003</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.1976</b>	<b>0.1976</b>	<b>2.0000e-005</b>	<b>4.0000e-005</b>	<b>0.2088</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.9 Testing, Commissioning, Site Clean Up - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.0000e-005	8.1000e-004	1.4000e-004	0.0000	1.2000e-004	1.0000e-005	1.3000e-004	3.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.3764	0.3764	0.0000	6.0000e-005	0.3940
Vendor	8.0000e-005	1.6400e-003	1.2400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2003	0.2003	0.0000	3.0000e-005	0.2099
Worker	8.6000e-004	3.6000e-004	4.1200e-003	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.1346	0.1346	8.0000e-005	4.0000e-005	0.1492
<b>Total</b>	<b>9.5000e-004</b>	<b>2.8100e-003</b>	<b>5.5000e-003</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>1.0000e-005</b>	<b>1.4000e-004</b>	<b>3.0000e-005</b>	<b>1.0000e-005</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.7113</b>	<b>0.7113</b>	<b>8.0000e-005</b>	<b>1.3000e-004</b>	<b>0.7531</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.9 Testing, Commissioning, Site Clean Up - 2025**

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.0000e-005	8.1000e-004	1.4000e-004	0.0000	1.2000e-004	1.0000e-005	1.3000e-004	3.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.3764	0.3764	0.0000	6.0000e-005	0.3940
Vendor	8.0000e-005	1.6400e-003	1.2400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2003	0.2003	0.0000	3.0000e-005	0.2099
Worker	8.6000e-004	3.6000e-004	4.1200e-003	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.1346	0.1346	8.0000e-005	4.0000e-005	0.1492
<b>Total</b>	<b>9.5000e-004</b>	<b>2.8100e-003</b>	<b>5.5000e-003</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>1.0000e-005</b>	<b>1.4000e-004</b>	<b>3.0000e-005</b>	<b>1.0000e-005</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.7113</b>	<b>0.7113</b>	<b>8.0000e-005</b>	<b>1.3000e-004</b>	<b>0.7531</b>

**4.0 Operational Detail - Mobile**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
User Defined Industrial	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
Unrefrigerated Warehouse-No Rail	10.00	5.00	6.50	59.00	0.00	41.00	100	0	0
User Defined Industrial	10.00	5.00	6.50	100.00	0.00	0.00	100	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.512350	0.056893	0.178530	0.139791	0.031559	0.007084	0.020535	0.017167	0.000579	0.000603	0.030442	0.000618	0.003849

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User Defined Industrial	0.512350	0.056893	0.178530	0.139791	0.031559	0.007084	0.020535	0.017167	0.000579	0.000603	0.030442	0.000618	0.003849
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**5.0 Energy Detail**

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



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.0420	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-004	2.0000e-004	0.0000	0.0000	2.1000e-004
Unmitigated	0.0420	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-004	2.0000e-004	0.0000	0.0000	2.1000e-004

**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	2.9000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0391					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-004	2.0000e-004	0.0000	0.0000	2.1000e-004
<b>Total</b>	<b>0.0420</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.1000e-004</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**6.2 Area by SubCategory**

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	2.9000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0391					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-004	2.0000e-004	0.0000	0.0000	2.1000e-004
<b>Total</b>	<b>0.0420</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.1000e-004</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	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			
Unrefrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**7.2 Water by Land Use**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**8.0 Waste Detail**

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**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

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**9.0 Operational Offroad**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

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

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**Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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CCAR Solar - Mitigated YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**CCAR Solar - Mitigated YSAQMD  
Yolo/Solano AQMD Air District, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	10.00	1000sqft	2,555.00	10,000.00	0
User Defined Industrial	1.00	User Defined Unit	0.00	1.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	55
<b>Climate Zone</b>	3			<b>Operational Year</b>	2025
<b>Utility Company</b>	Sacramento Municipal Utility District				
<b>CO2 Intensity (lb/MWhr)</b>	357.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - Operational year 2023.

Land Use - 2,555 acers based on total development area.

Construction Phase - Construction phasing information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant. Off-Highway Trucks include 3 water trucks and 3 dump trucks.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

CCAR Solar - Mitigated YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Trips and VMT - Construction trip information is based on data provided by the project applicant.

On-road Fugitive Dust - Assumed 0.5 miles of travel on unpaved roads for worker vehicles.

Grading - 250,000 cy of export

Vehicle Trips - construction only

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating -

Landscape Equipment -

Energy Use - no energy

Water And Wastewater - no water

Solid Waste - no waste

Construction Off-road Equipment Mitigation - Included watering 3x daily, unpaved road stabilization and vehicle speed reduction as Enhanced Fugitive PM dust control control in practices as recommended by the SMAQMD

Fleet Mix - CalEEMod defaults.

Stationary Sources - Emergency Generators and Fire Pumps - NA

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	24.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	16.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00



CCAR Solar - Mitigated YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblEnergyUse	LightingElect	3.22	0.00
tblEnergyUse	NT24E	5.13	0.00
tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	0.93	0.00
tblEnergyUse	T24NG	16.86	0.00
tblGrading	AcresOfGrading	0.00	550.00
tblGrading	MaterialExported	0.00	250,000.00
tblLandUse	LandUseSquareFeet	0.00	1.00
tblLandUse	LotAcreage	0.23	2,555.00
tblOffRoadEquipment	HorsePower	85.00	950.00
tblOffRoadEquipment	HorsePower	158.00	172.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	300.00
tblOffRoadEquipment	HorsePower	402.00	150.00

CCAR Solar - Mitigated YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblOffRoadEquipment	HorsePower	402.00	200.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	168.00	350.00
tblOffRoadEquipment	HorsePower	168.00	160.00
tblOffRoadEquipment	HorsePower	168.00	790.00
tblOffRoadEquipment	HorsePower	168.00	755.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00



CCAR Solar - Mitigated YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tbITripsAndVMT	VendorTripLength	9.00	0.00
tbITripsAndVMT	VendorTripNumber	0.00	16.00
tbITripsAndVMT	VendorTripNumber	0.00	16.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	VendorTripNumber	2.00	4.00
tbITripsAndVMT	VendorTripNumber	0.00	2.00
tbITripsAndVMT	VendorTripNumber	2.00	40.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripLength	15.00	0.00
tbITripsAndVMT	WorkerTripNumber	0.00	50.00
tbITripsAndVMT	WorkerTripNumber	0.00	74.00
tbITripsAndVMT	WorkerTripNumber	0.00	30.00
tbITripsAndVMT	WorkerTripNumber	4.00	100.00
tbITripsAndVMT	WorkerTripNumber	0.00	100.00
tbITripsAndVMT	WorkerTripNumber	4.00	476.00
tbITripsAndVMT	WorkerTripNumber	0.00	16.00
tbITripsAndVMT	WorkerTripNumber	0.00	26.00
tbIVehicleTrips	CC_TL	8.00	5.00
tbIVehicleTrips	CC_TL	8.00	5.00
tbIVehicleTrips	CNW_TL	9.00	6.50
tbIVehicleTrips	CNW_TL	9.00	6.50

CCAR Solar - Mitigated YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblVehicleTrips	CW_TL	15.00	10.00
tblVehicleTrips	CW_TL	15.00	10.00
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaDigestCogenCombDigestGasPercent	0.00	85.00
tblWater	AnaDigestCogenCombDigestGasPercent	0.00	85.00
tblWater	AnaDigestCombDigestGasPercent	100.00	15.00
tblWater	AnaDigestCombDigestGasPercent	100.00	15.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	2,312,500.00	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

**2.0 Emissions Summary**

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CCAR Solar - Mitigated YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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					
2024	1.1813	2.0454	4.0042	7.1100e-003	2.9285	0.0130	2.9415	0.3476	0.0123	0.3599	0.0000	744.9018	744.9018	0.0792	0.1366	787.5866
2025	1.0743	1.9353	3.7613	6.7600e-003	2.9254	0.0125	2.9379	0.3467	0.0118	0.3585	0.0000	708.0423	708.0423	0.0715	0.1292	748.3200
<b>Maximum</b>	<b>1.1813</b>	<b>2.0454</b>	<b>4.0042</b>	<b>7.1100e-003</b>	<b>2.9285</b>	<b>0.0130</b>	<b>2.9415</b>	<b>0.3476</b>	<b>0.0123</b>	<b>0.3599</b>	<b>0.0000</b>	<b>744.9018</b>	<b>744.9018</b>	<b>0.0792</b>	<b>0.1366</b>	<b>787.5866</b>

**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					
2024	1.1813	2.0454	4.0042	7.1100e-003	1.1786	0.0130	1.1916	0.1551	0.0123	0.1674	0.0000	744.9018	744.9018	0.0792	0.1366	787.5866
2025	1.0743	1.9353	3.7613	6.7600e-003	1.1756	0.0125	1.1880	0.1543	0.0118	0.1661	0.0000	708.0423	708.0423	0.0715	0.1292	748.3200
<b>Maximum</b>	<b>1.1813</b>	<b>2.0454</b>	<b>4.0042</b>	<b>7.1100e-003</b>	<b>1.1786</b>	<b>0.0130</b>	<b>1.1916</b>	<b>0.1551</b>	<b>0.0123</b>	<b>0.1674</b>	<b>0.0000</b>	<b>744.9018</b>	<b>744.9018</b>	<b>0.0792</b>	<b>0.1366</b>	<b>787.5866</b>



CCAR Solar - Mitigated YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.2300	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
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
<b>Total</b>	<b>0.2300</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>2.4100e-003</b>	<b>2.4100e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>2.5600e-003</b>

**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	0.2300	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
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
<b>Total</b>	<b>0.2300</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>2.4100e-003</b>	<b>2.4100e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>2.5600e-003</b>



CCAR Solar - Mitigated YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	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	3/1/2024	1/2/2025	5	220	
2	Perimeter Fence Installation	Site Preparation	3/1/2024	5/30/2024	5	65	
3	Tree Removal	Site Preparation	3/1/2024	6/4/2024	5	68	
4	Energy Storage System	Building Construction	8/1/2024	6/18/2025	5	230	
5	Underground Work (Utilities)	Trenching	9/1/2024	1/31/2025	5	110	
6	System Installation	Building Construction	9/25/2024	7/1/2025	5	200	
7	Gen-Tie Construction	Trenching	10/1/2024	10/30/2024	5	22	
8	Testing, Commissioning, Site Clean Up	Trenching	6/1/2025	8/27/2025	5	63	

**Acres of Grading (Site Preparation Phase): 550**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Off-Highway Trucks	0	8.00	402	0.38
Site Preparation	Rollers	0	8.00	80	0.38

CCAR Solar - Mitigated YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Scrapers	0	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Perimeter Fence Installation	Off-Highway Trucks	0	8.00	150	0.38
Perimeter Fence Installation	Rough Terrain Forklifts	0	8.00	100	0.40
Perimeter Fence Installation	Rubber Tired Dozers	0	0.00	247	0.40
Perimeter Fence Installation	Skid Steer Loaders	0	8.00	65	0.37
Perimeter Fence Installation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Tree Removal	Crushing/Proc. Equipment	0	8.00	950	0.78
Tree Removal	Excavators	0	8.00	172	0.38
Tree Removal	Other Material Handling Equipment	0	8.00	350	0.40
Tree Removal	Other Material Handling Equipment	0	8.00	160	0.40
Tree Removal	Other Material Handling Equipment	0	8.00	790	0.40
Tree Removal	Other Material Handling Equipment	0	8.00	755	0.40
Tree Removal	Rubber Tired Dozers	0	8.00	247	0.40
Tree Removal	Skid Steer Loaders	0	8.00	65	0.37
Tree Removal	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Energy Storage System	Cranes	0	8.00	231	0.29
Energy Storage System	Forklifts	0	0.00	89	0.20
Energy Storage System	Generator Sets	0	0.00	84	0.74
Energy Storage System	Graders	0	8.00	187	0.41
Energy Storage System	Off-Highway Trucks	0	8.00	150	0.38
Energy Storage System	Rough Terrain Forklifts	0	8.00	100	0.40
Energy Storage System	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Energy Storage System	Welders	0	0.00	46	0.45
Underground Work (Utilities)	Cranes	0	0.00	231	0.29
Underground Work (Utilities)	Excavators	0	8.00	158	0.38
Underground Work (Utilities)	Off-Highway Trucks	0	8.00	300	0.38
Underground Work (Utilities)	Other Construction Equipment	0	8.00	172	0.42

CCAR Solar - Mitigated YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Underground Work (Utilities)	Rollers	0	8.00	80	0.38
Underground Work (Utilities)	Rough Terrain Forklifts	0	8.00	100	0.40
System Installation	Cranes	0	8.00	231	0.29
System Installation	Forklifts	0	0.00	89	0.20
System Installation	Generator Sets	0	8.00	84	0.74
System Installation	Off-Highway Trucks	0	8.00	150	0.38
System Installation	Other Construction Equipment	0	8.00	172	0.42
System Installation	Rough Terrain Forklifts	0	8.00	100	0.40
System Installation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
System Installation	Welders	0	0.00	46	0.45
Gen-Tie Construction	Off-Highway Trucks	0	8.00	200	0.38
Testing, Commissioning, Site Clean Up	Graders	0	8.00	187	0.41
Testing, Commissioning, Site Clean Up	Off-Highway Trucks	0	8.00	150	0.38
Testing, Commissioning, Site Clean Up	Skid Steer Loaders	0	8.00	65	0.37

**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	0	50.00	16.00	938.00	0.00	0.00	34.80	LD_Mix	HDT_Mix	HHDT
Perimeter Fence Installation	0	74.00	16.00	2.00	0.00	0.00	34.80	LD_Mix	HDT_Mix	HHDT
Tree Removal	0	30.00	4.00	0.00	0.00	0.00	34.80	LD_Mix	HDT_Mix	HHDT
Energy Storage System	0	100.00	4.00	20.00	0.00	0.00	34.80	LD_Mix	HDT_Mix	HHDT
Underground Work (Utilities)	0	100.00	2.00	2.00	0.00	0.00	34.80	LD_Mix	HDT_Mix	HHDT
System Installation	0	476.00	40.00	26.00	0.00	0.00	34.80	LD_Mix	HDT_Mix	HHDT
Gen-Tie Construction	0	16.00	4.00	2.00	0.00	0.00	34.80	LD_Mix	HDT_Mix	HHDT
Testing, Commissioning, Site Clean Up	0	26.00	4.00	8.00	0.00	0.00	34.80	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

CCAR Solar - Mitigated YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

**3.2 Site Preparation - 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					
Fugitive Dust					2.7798	0.0000	2.7798	0.3057	0.0000	0.3057			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.7798</b>	<b>0.0000</b>	<b>2.7798</b>	<b>0.3057</b>	<b>0.0000</b>	<b>0.3057</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2024**

**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	0.0132	0.8224	0.1493	4.2700e-003	0.1297	8.6000e-003	0.1383	0.0356	8.2300e-003	0.0438		451.5834	451.5834	7.3000e-004	0.0710	472.7513
Vendor	0.0113	0.2030	0.1555	2.7000e-004	4.2000e-004	1.1000e-004	5.3000e-004	1.7000e-004	1.0000e-004	2.7000e-004		28.3715	28.3715	5.9000e-004	4.4700e-003	29.7193
Worker	0.0755	0.0217	0.2158	9.0000e-005	4.9000e-004	2.2000e-004	7.2000e-004	2.0000e-004	2.0000e-004	4.0000e-004		9.5521	9.5521	5.1200e-003	2.8100e-003	10.5183
<b>Total</b>	<b>0.0999</b>	<b>1.0471</b>	<b>0.5205</b>	<b>4.6300e-003</b>	<b>0.1306</b>	<b>8.9300e-003</b>	<b>0.1396</b>	<b>0.0359</b>	<b>8.5300e-003</b>	<b>0.0445</b>		<b>489.5069</b>	<b>489.5069</b>	<b>6.4400e-003</b>	<b>0.0783</b>	<b>512.9888</b>

**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					1.0299	0.0000	1.0299	0.1133	0.0000	0.1133			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0299</b>	<b>0.0000</b>	<b>1.0299</b>	<b>0.1133</b>	<b>0.0000</b>	<b>0.1133</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2024**

**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	0.0132	0.8224	0.1493	4.2700e-003	0.1297	8.6000e-003	0.1383	0.0356	8.2300e-003	0.0438		451.5834	451.5834	7.3000e-004	0.0710	472.7513
Vendor	0.0113	0.2030	0.1555	2.7000e-004	4.2000e-004	1.1000e-004	5.3000e-004	1.7000e-004	1.0000e-004	2.7000e-004		28.3715	28.3715	5.9000e-004	4.4700e-003	29.7193
Worker	0.0755	0.0217	0.2158	9.0000e-005	4.9000e-004	2.2000e-004	7.2000e-004	2.0000e-004	2.0000e-004	4.0000e-004		9.5521	9.5521	5.1200e-003	2.8100e-003	10.5183
<b>Total</b>	<b>0.0999</b>	<b>1.0471</b>	<b>0.5205</b>	<b>4.6300e-003</b>	<b>0.1306</b>	<b>8.9300e-003</b>	<b>0.1396</b>	<b>0.0359</b>	<b>8.5300e-003</b>	<b>0.0445</b>		<b>489.5069</b>	<b>489.5069</b>	<b>6.4400e-003</b>	<b>0.0783</b>	<b>512.9888</b>

**3.2 Site Preparation - 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					
Fugitive Dust					2.7798	0.0000	2.7798	0.3057	0.0000	0.3057			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.7798</b>	<b>0.0000</b>	<b>2.7798</b>	<b>0.3057</b>	<b>0.0000</b>	<b>0.3057</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2025**

**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	0.0131	0.8139	0.1485	4.1800e-003	0.1297	8.5300e-003	0.1382	0.0356	8.1700e-003	0.0437		442.0720	442.0720	7.1000e-004	0.0695	462.7936
Vendor	0.0111	0.2022	0.1538	2.6000e-004	4.2000e-004	1.0000e-004	5.2000e-004	1.7000e-004	1.0000e-004	2.6000e-004		27.7513	27.7513	5.8000e-004	4.3800e-003	29.0697
Worker	0.0701	0.0202	0.2072	9.0000e-005	4.9000e-004	2.1000e-004	7.1000e-004	2.0000e-004	2.0000e-004	3.9000e-004		9.2324	9.2324	4.7200e-003	2.6800e-003	10.1487
<b>Total</b>	<b>0.0943</b>	<b>1.0363</b>	<b>0.5096</b>	<b>4.5300e-003</b>	<b>0.1306</b>	<b>8.8400e-003</b>	<b>0.1395</b>	<b>0.0359</b>	<b>8.4700e-003</b>	<b>0.0444</b>		<b>479.0556</b>	<b>479.0556</b>	<b>6.0100e-003</b>	<b>0.0765</b>	<b>502.0119</b>

**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					1.0299	0.0000	1.0299	0.1133	0.0000	0.1133			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0299</b>	<b>0.0000</b>	<b>1.0299</b>	<b>0.1133</b>	<b>0.0000</b>	<b>0.1133</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2025**

**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	0.0131	0.8139	0.1485	4.1800e-003	0.1297	8.5300e-003	0.1382	0.0356	8.1700e-003	0.0437		442.0720	442.0720	7.1000e-004	0.0695	462.7936
Vendor	0.0111	0.2022	0.1538	2.6000e-004	4.2000e-004	1.0000e-004	5.2000e-004	1.7000e-004	1.0000e-004	2.6000e-004		27.7513	27.7513	5.8000e-004	4.3800e-003	29.0697
Worker	0.0701	0.0202	0.2072	9.0000e-005	4.9000e-004	2.1000e-004	7.1000e-004	2.0000e-004	2.0000e-004	3.9000e-004		9.2324	9.2324	4.7200e-003	2.6800e-003	10.1487
<b>Total</b>	<b>0.0943</b>	<b>1.0363</b>	<b>0.5096</b>	<b>4.5300e-003</b>	<b>0.1306</b>	<b>8.8400e-003</b>	<b>0.1395</b>	<b>0.0359</b>	<b>8.4700e-003</b>	<b>0.0444</b>		<b>479.0556</b>	<b>479.0556</b>	<b>6.0100e-003</b>	<b>0.0765</b>	<b>502.0119</b>

**3.3 Perimeter Fence Installation - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>



CCAR Solar - Mitigated YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Perimeter Fence Installation - 2024**

**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	9.0000e-005	5.9300e-003	1.0800e-003	3.0000e-005	9.4000e-004	6.0000e-005	1.0000e-003	2.6000e-004	6.0000e-005	3.2000e-004		3.2589	3.2589	1.0000e-005	5.1000e-004	3.4117
Vendor	0.0113	0.2030	0.1555	2.7000e-004	4.2000e-004	1.1000e-004	5.3000e-004	1.7000e-004	1.0000e-004	2.7000e-004		28.3715	28.3715	5.9000e-004	4.4700e-003	29.7193
Worker	0.1118	0.0322	0.3194	1.4000e-004	7.3000e-004	3.3000e-004	1.0600e-003	2.9000e-004	3.0000e-004	5.9000e-004		14.1371	14.1371	7.5800e-003	4.1600e-003	15.5670
<b>Total</b>	<b>0.1231</b>	<b>0.2411</b>	<b>0.4759</b>	<b>4.4000e-004</b>	<b>2.0900e-003</b>	<b>5.0000e-004</b>	<b>2.5900e-003</b>	<b>7.2000e-004</b>	<b>4.6000e-004</b>	<b>1.1800e-003</b>		<b>45.7675</b>	<b>45.7675</b>	<b>8.1800e-003</b>	<b>9.1400e-003</b>	<b>48.6980</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Perimeter Fence Installation - 2024**

**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	9.0000e-005	5.9300e-003	1.0800e-003	3.0000e-005	9.4000e-004	6.0000e-005	1.0000e-003	2.6000e-004	6.0000e-005	3.2000e-004		3.2589	3.2589	1.0000e-005	5.1000e-004	3.4117
Vendor	0.0113	0.2030	0.1555	2.7000e-004	4.2000e-004	1.1000e-004	5.3000e-004	1.7000e-004	1.0000e-004	2.7000e-004		28.3715	28.3715	5.9000e-004	4.4700e-003	29.7193
Worker	0.1118	0.0322	0.3194	1.4000e-004	7.3000e-004	3.3000e-004	1.0600e-003	2.9000e-004	3.0000e-004	5.9000e-004		14.1371	14.1371	7.5800e-003	4.1600e-003	15.5670
<b>Total</b>	<b>0.1231</b>	<b>0.2411</b>	<b>0.4759</b>	<b>4.4000e-004</b>	<b>2.0900e-003</b>	<b>5.0000e-004</b>	<b>2.5900e-003</b>	<b>7.2000e-004</b>	<b>4.6000e-004</b>	<b>1.1800e-003</b>		<b>45.7675</b>	<b>45.7675</b>	<b>8.1800e-003</b>	<b>9.1400e-003</b>	<b>48.6980</b>

**3.4 Tree Removal - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Tree Removal - 2024**

**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	2.8200e-003	0.0508	0.0389	7.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	3.0000e-005	7.0000e-005		7.0929	7.0929	1.5000e-004	1.1200e-003	7.4298
Worker	0.0453	0.0130	0.1295	6.0000e-005	3.0000e-004	1.3000e-004	4.3000e-004	1.2000e-004	1.2000e-004	2.4000e-004		5.7312	5.7312	3.0700e-003	1.6900e-003	6.3110
<b>Total</b>	<b>0.0481</b>	<b>0.0638</b>	<b>0.1683</b>	<b>1.3000e-004</b>	<b>4.1000e-004</b>	<b>1.6000e-004</b>	<b>5.6000e-004</b>	<b>1.6000e-004</b>	<b>1.5000e-004</b>	<b>3.1000e-004</b>		<b>12.8241</b>	<b>12.8241</b>	<b>3.2200e-003</b>	<b>2.8100e-003</b>	<b>13.7408</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Tree Removal - 2024**

**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	2.8200e-003	0.0508	0.0389	7.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	3.0000e-005	7.0000e-005		7.0929	7.0929	1.5000e-004	1.1200e-003	7.4298
Worker	0.0453	0.0130	0.1295	6.0000e-005	3.0000e-004	1.3000e-004	4.3000e-004	1.2000e-004	1.2000e-004	2.4000e-004		5.7312	5.7312	3.0700e-003	1.6900e-003	6.3110
<b>Total</b>	<b>0.0481</b>	<b>0.0638</b>	<b>0.1683</b>	<b>1.3000e-004</b>	<b>4.1000e-004</b>	<b>1.6000e-004</b>	<b>5.6000e-004</b>	<b>1.6000e-004</b>	<b>1.5000e-004</b>	<b>3.1000e-004</b>		<b>12.8241</b>	<b>12.8241</b>	<b>3.2200e-003</b>	<b>2.8100e-003</b>	<b>13.7408</b>

**3.5 Energy Storage System - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2024**

**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	2.7000e-004	0.0168	3.0400e-003	9.0000e-005	2.6500e-003	1.8000e-004	2.8200e-003	7.3000e-004	1.7000e-004	8.9000e-004		9.2100	9.2100	1.0000e-005	1.4500e-003	9.6417
Vendor	2.8200e-003	0.0508	0.0389	7.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	3.0000e-005	7.0000e-005		7.0929	7.0929	1.5000e-004	1.1200e-003	7.4298
Worker	0.1510	0.0435	0.4316	1.9000e-004	9.9000e-004	4.4000e-004	1.4300e-003	3.9000e-004	4.1000e-004	8.0000e-004		19.1042	19.1042	0.0102	5.6300e-003	21.0366
<b>Total</b>	<b>0.1541</b>	<b>0.1110</b>	<b>0.4735</b>	<b>3.5000e-004</b>	<b>3.7500e-003</b>	<b>6.5000e-004</b>	<b>4.3800e-003</b>	<b>1.1600e-003</b>	<b>6.1000e-004</b>	<b>1.7600e-003</b>		<b>35.4070</b>	<b>35.4070</b>	<b>0.0104</b>	<b>8.2000e-003</b>	<b>38.1081</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2024**

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	2.7000e-004	0.0168	3.0400e-003	9.0000e-005	2.6500e-003	1.8000e-004	2.8200e-003	7.3000e-004	1.7000e-004	8.9000e-004		9.2100	9.2100	1.0000e-005	1.4500e-003	9.6417
Vendor	2.8200e-003	0.0508	0.0389	7.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	3.0000e-005	7.0000e-005		7.0929	7.0929	1.5000e-004	1.1200e-003	7.4298
Worker	0.1510	0.0435	0.4316	1.9000e-004	9.9000e-004	4.4000e-004	1.4300e-003	3.9000e-004	4.1000e-004	8.0000e-004		19.1042	19.1042	0.0102	5.6300e-003	21.0366
<b>Total</b>	<b>0.1541</b>	<b>0.1110</b>	<b>0.4735</b>	<b>3.5000e-004</b>	<b>3.7500e-003</b>	<b>6.5000e-004</b>	<b>4.3800e-003</b>	<b>1.1600e-003</b>	<b>6.1000e-004</b>	<b>1.7600e-003</b>		<b>35.4070</b>	<b>35.4070</b>	<b>0.0104</b>	<b>8.2000e-003</b>	<b>38.1081</b>

**3.5 Energy Storage System - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2025**

**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	2.7000e-004	0.0166	3.0300e-003	9.0000e-005	2.6500e-003	1.7000e-004	2.8200e-003	7.2000e-004	1.7000e-004	8.9000e-004		9.0160	9.0160	1.0000e-005	1.4200e-003	9.4386
Vendor	2.7800e-003	0.0506	0.0385	7.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	2.0000e-005	7.0000e-005		6.9378	6.9378	1.4000e-004	1.0900e-003	7.2674
Worker	0.1401	0.0404	0.4144	1.8000e-004	9.9000e-004	4.2000e-004	1.4100e-003	3.9000e-004	3.9000e-004	7.8000e-004		18.4647	18.4647	9.4400e-003	5.3600e-003	20.2973
<b>Total</b>	<b>0.1432</b>	<b>0.1075</b>	<b>0.4559</b>	<b>3.4000e-004</b>	<b>3.7500e-003</b>	<b>6.2000e-004</b>	<b>4.3600e-003</b>	<b>1.1500e-003</b>	<b>5.8000e-004</b>	<b>1.7400e-003</b>		<b>34.4186</b>	<b>34.4186</b>	<b>9.5900e-003</b>	<b>7.8700e-003</b>	<b>37.0034</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2025**

**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	2.7000e-004	0.0166	3.0300e-003	9.0000e-005	2.6500e-003	1.7000e-004	2.8200e-003	7.2000e-004	1.7000e-004	8.9000e-004		9.0160	9.0160	1.0000e-005	1.4200e-003	9.4386
Vendor	2.7800e-003	0.0506	0.0385	7.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	2.0000e-005	7.0000e-005		6.9378	6.9378	1.4000e-004	1.0900e-003	7.2674
Worker	0.1401	0.0404	0.4144	1.8000e-004	9.9000e-004	4.2000e-004	1.4100e-003	3.9000e-004	3.9000e-004	7.8000e-004		18.4647	18.4647	9.4400e-003	5.3600e-003	20.2973
<b>Total</b>	<b>0.1432</b>	<b>0.1075</b>	<b>0.4559</b>	<b>3.4000e-004</b>	<b>3.7500e-003</b>	<b>6.2000e-004</b>	<b>4.3600e-003</b>	<b>1.1500e-003</b>	<b>5.8000e-004</b>	<b>1.7400e-003</b>		<b>34.4186</b>	<b>34.4186</b>	<b>9.5900e-003</b>	<b>7.8700e-003</b>	<b>37.0034</b>

**3.6 Underground Work (Utilities) - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>



CCAR Solar - Mitigated YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2024**

**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	6.0000e-005	3.5100e-003	6.4000e-004	2.0000e-005	5.5000e-004	4.0000e-005	5.9000e-004	1.5000e-004	4.0000e-005	1.9000e-004		1.9257	1.9257	0.0000	3.0000e-004	2.0160
Vendor	1.4100e-003	0.0254	0.0194	3.0000e-005	5.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005		3.5464	3.5464	7.0000e-005	5.6000e-004	3.7149
Worker	0.1510	0.0435	0.4316	1.9000e-004	9.9000e-004	4.4000e-004	1.4300e-003	3.9000e-004	4.1000e-004	8.0000e-004		19.1042	19.1042	0.0102	5.6300e-003	21.0366
<b>Total</b>	<b>0.1525</b>	<b>0.0724</b>	<b>0.4516</b>	<b>2.4000e-004</b>	<b>1.5900e-003</b>	<b>4.9000e-004</b>	<b>2.0900e-003</b>	<b>5.6000e-004</b>	<b>4.6000e-004</b>	<b>1.0200e-003</b>		<b>24.5763</b>	<b>24.5763</b>	<b>0.0103</b>	<b>6.4900e-003</b>	<b>26.7675</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2024**

**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	6.0000e-005	3.5100e-003	6.4000e-004	2.0000e-005	5.5000e-004	4.0000e-005	5.9000e-004	1.5000e-004	4.0000e-005	1.9000e-004		1.9257	1.9257	0.0000	3.0000e-004	2.0160
Vendor	1.4100e-003	0.0254	0.0194	3.0000e-005	5.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005		3.5464	3.5464	7.0000e-005	5.6000e-004	3.7149
Worker	0.1510	0.0435	0.4316	1.9000e-004	9.9000e-004	4.4000e-004	1.4300e-003	3.9000e-004	4.1000e-004	8.0000e-004		19.1042	19.1042	0.0102	5.6300e-003	21.0366
<b>Total</b>	<b>0.1525</b>	<b>0.0724</b>	<b>0.4516</b>	<b>2.4000e-004</b>	<b>1.5900e-003</b>	<b>4.9000e-004</b>	<b>2.0900e-003</b>	<b>5.6000e-004</b>	<b>4.6000e-004</b>	<b>1.0200e-003</b>		<b>24.5763</b>	<b>24.5763</b>	<b>0.0103</b>	<b>6.4900e-003</b>	<b>26.7675</b>

**3.6 Underground Work (Utilities) - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2025**

**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	6.0000e-005	3.4700e-003	6.3000e-004	2.0000e-005	5.5000e-004	4.0000e-005	5.9000e-004	1.5000e-004	3.0000e-005	1.9000e-004		1.8852	1.8852	0.0000	3.0000e-004	1.9735
Vendor	1.3900e-003	0.0253	0.0192	3.0000e-005	5.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005		3.4689	3.4689	7.0000e-005	5.5000e-004	3.6337
Worker	0.1401	0.0404	0.4144	1.8000e-004	9.9000e-004	4.2000e-004	1.4100e-003	3.9000e-004	3.9000e-004	7.8000e-004		18.4647	18.4647	9.4400e-003	5.3600e-003	20.2973
<b>Total</b>	<b>0.1416</b>	<b>0.0691</b>	<b>0.4343</b>	<b>2.3000e-004</b>	<b>1.5900e-003</b>	<b>4.7000e-004</b>	<b>2.0700e-003</b>	<b>5.6000e-004</b>	<b>4.3000e-004</b>	<b>1.0000e-003</b>		<b>23.8188</b>	<b>23.8188</b>	<b>9.5100e-003</b>	<b>6.2100e-003</b>	<b>25.9046</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2025**

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	6.0000e-005	3.4700e-003	6.3000e-004	2.0000e-005	5.5000e-004	4.0000e-005	5.9000e-004	1.5000e-004	3.0000e-005	1.9000e-004		1.8852	1.8852	0.0000	3.0000e-004	1.9735
Vendor	1.3900e-003	0.0253	0.0192	3.0000e-005	5.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005		3.4689	3.4689	7.0000e-005	5.5000e-004	3.6337
Worker	0.1401	0.0404	0.4144	1.8000e-004	9.9000e-004	4.2000e-004	1.4100e-003	3.9000e-004	3.9000e-004	7.8000e-004		18.4647	18.4647	9.4400e-003	5.3600e-003	20.2973
<b>Total</b>	<b>0.1416</b>	<b>0.0691</b>	<b>0.4343</b>	<b>2.3000e-004</b>	<b>1.5900e-003</b>	<b>4.7000e-004</b>	<b>2.0700e-003</b>	<b>5.6000e-004</b>	<b>4.3000e-004</b>	<b>1.0000e-003</b>		<b>23.8188</b>	<b>23.8188</b>	<b>9.5100e-003</b>	<b>6.2100e-003</b>	<b>25.9046</b>

**3.7 System Installation - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2024**

**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	4.0000e-004	0.0251	4.5500e-003	1.3000e-004	3.9600e-003	2.6000e-004	4.2200e-003	1.0800e-003	2.5000e-004	1.3300e-003		13.7690	13.7690	2.0000e-005	2.1600e-003	14.4144
Vendor	0.0282	0.5076	0.3887	6.7000e-004	1.0500e-003	2.6000e-004	1.3200e-003	4.1000e-004	2.5000e-004	6.6000e-004		70.9287	70.9287	1.4700e-003	0.0112	74.2982
Worker	0.7189	0.2070	2.0542	9.0000e-004	4.7000e-003	2.1100e-003	6.8100e-003	1.8600e-003	1.9400e-003	3.8000e-003		90.9357	90.9357	0.0488	0.0268	100.1340
<b>Total</b>	<b>0.7475</b>	<b>0.7396</b>	<b>2.4475</b>	<b>1.7000e-003</b>	<b>9.7100e-003</b>	<b>2.6300e-003</b>	<b>0.0124</b>	<b>3.3500e-003</b>	<b>2.4400e-003</b>	<b>5.7900e-003</b>		<b>175.6334</b>	<b>175.6334</b>	<b>0.0503</b>	<b>0.0401</b>	<b>188.8466</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2024**

**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	4.0000e-004	0.0251	4.5500e-003	1.3000e-004	3.9600e-003	2.6000e-004	4.2200e-003	1.0800e-003	2.5000e-004	1.3300e-003		13.7690	13.7690	2.0000e-005	2.1600e-003	14.4144
Vendor	0.0282	0.5076	0.3887	6.7000e-004	1.0500e-003	2.6000e-004	1.3200e-003	4.1000e-004	2.5000e-004	6.6000e-004		70.9287	70.9287	1.4700e-003	0.0112	74.2982
Worker	0.7189	0.2070	2.0542	9.0000e-004	4.7000e-003	2.1100e-003	6.8100e-003	1.8600e-003	1.9400e-003	3.8000e-003		90.9357	90.9357	0.0488	0.0268	100.1340
<b>Total</b>	<b>0.7475</b>	<b>0.7396</b>	<b>2.4475</b>	<b>1.7000e-003</b>	<b>9.7100e-003</b>	<b>2.6300e-003</b>	<b>0.0124</b>	<b>3.3500e-003</b>	<b>2.4400e-003</b>	<b>5.7900e-003</b>		<b>175.6334</b>	<b>175.6334</b>	<b>0.0503</b>	<b>0.0401</b>	<b>188.8466</b>

**3.7 System Installation - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2025**

**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	4.0000e-004	0.0248	4.5300e-003	1.3000e-004	3.9500e-003	2.6000e-004	4.2100e-003	1.0800e-003	2.5000e-004	1.3300e-003		13.4790	13.4790	2.0000e-005	2.1200e-003	14.1108
Vendor	0.0278	0.5056	0.3846	6.6000e-004	1.0500e-003	2.6000e-004	1.3100e-003	4.1000e-004	2.5000e-004	6.6000e-004		69.3782	69.3782	1.4500e-003	0.0109	72.6741
Worker	0.6670	0.1921	1.9725	8.7000e-004	4.7000e-003	2.0200e-003	6.7200e-003	1.8600e-003	1.8600e-003	3.7200e-003		87.8922	87.8922	0.0449	0.0255	96.6153
<b>Total</b>	<b>0.6953</b>	<b>0.7224</b>	<b>2.3616</b>	<b>1.6600e-003</b>	<b>9.7000e-003</b>	<b>2.5400e-003</b>	<b>0.0122</b>	<b>3.3500e-003</b>	<b>2.3600e-003</b>	<b>5.7100e-003</b>		<b>170.7493</b>	<b>170.7493</b>	<b>0.0464</b>	<b>0.0386</b>	<b>183.4002</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2025**

**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	4.0000e-004	0.0248	4.5300e-003	1.3000e-004	3.9500e-003	2.6000e-004	4.2100e-003	1.0800e-003	2.5000e-004	1.3300e-003		13.4790	13.4790	2.0000e-005	2.1200e-003	14.1108
Vendor	0.0278	0.5056	0.3846	6.6000e-004	1.0500e-003	2.6000e-004	1.3100e-003	4.1000e-004	2.5000e-004	6.6000e-004		69.3782	69.3782	1.4500e-003	0.0109	72.6741
Worker	0.6670	0.1921	1.9725	8.7000e-004	4.7000e-003	2.0200e-003	6.7200e-003	1.8600e-003	1.8600e-003	3.7200e-003		87.8922	87.8922	0.0449	0.0255	96.6153
<b>Total</b>	<b>0.6953</b>	<b>0.7224</b>	<b>2.3616</b>	<b>1.6600e-003</b>	<b>9.7000e-003</b>	<b>2.5400e-003</b>	<b>0.0122</b>	<b>3.3500e-003</b>	<b>2.3600e-003</b>	<b>5.7100e-003</b>		<b>170.7493</b>	<b>170.7493</b>	<b>0.0464</b>	<b>0.0386</b>	<b>183.4002</b>

**3.8 Gen-Tie 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>



CCAR Solar - Mitigated YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.8 Gen-Tie Construction - 2024**

**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	2.8000e-004	0.0175	3.1800e-003	9.0000e-005	2.7700e-003	1.8000e-004	2.9500e-003	7.6000e-004	1.8000e-004	9.3000e-004		9.6286	9.6286	2.0000e-005	1.5100e-003	10.0800
Vendor	2.8200e-003	0.0508	0.0389	7.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	3.0000e-005	7.0000e-005		7.0929	7.0929	1.5000e-004	1.1200e-003	7.4298
Worker	0.0242	6.9600e-003	0.0691	3.0000e-005	1.6000e-004	7.0000e-005	2.3000e-004	6.0000e-005	7.0000e-005	1.3000e-004		3.0567	3.0567	1.6400e-003	9.0000e-004	3.3659
<b>Total</b>	<b>0.0273</b>	<b>0.0753</b>	<b>0.1111</b>	<b>1.9000e-004</b>	<b>3.0400e-003</b>	<b>2.8000e-004</b>	<b>3.3100e-003</b>	<b>8.6000e-004</b>	<b>2.8000e-004</b>	<b>1.1300e-003</b>		<b>19.7782</b>	<b>19.7782</b>	<b>1.8100e-003</b>	<b>3.5300e-003</b>	<b>20.8757</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.8 Gen-Tie Construction - 2024**

**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	2.8000e-004	0.0175	3.1800e-003	9.0000e-005	2.7700e-003	1.8000e-004	2.9500e-003	7.6000e-004	1.8000e-004	9.3000e-004		9.6286	9.6286	2.0000e-005	1.5100e-003	10.0800
Vendor	2.8200e-003	0.0508	0.0389	7.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	3.0000e-005	7.0000e-005		7.0929	7.0929	1.5000e-004	1.1200e-003	7.4298
Worker	0.0242	6.9600e-003	0.0691	3.0000e-005	1.6000e-004	7.0000e-005	2.3000e-004	6.0000e-005	7.0000e-005	1.3000e-004		3.0567	3.0567	1.6400e-003	9.0000e-004	3.3659
<b>Total</b>	<b>0.0273</b>	<b>0.0753</b>	<b>0.1111</b>	<b>1.9000e-004</b>	<b>3.0400e-003</b>	<b>2.8000e-004</b>	<b>3.3100e-003</b>	<b>8.6000e-004</b>	<b>2.8000e-004</b>	<b>1.1300e-003</b>		<b>19.7782</b>	<b>19.7782</b>	<b>1.8100e-003</b>	<b>3.5300e-003</b>	<b>20.8757</b>

**3.9 Testing, Commissioning, Site Clean Up - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.9 Testing, Commissioning, Site Clean Up - 2025**

**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	3.9000e-004	0.0242	4.4200e-003	1.2000e-004	3.8600e-003	2.5000e-004	4.1200e-003	1.0600e-003	2.4000e-004	1.3000e-003		13.1663	13.1663	2.0000e-005	2.0700e-003	13.7834
Vendor	2.7800e-003	0.0506	0.0385	7.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	2.0000e-005	7.0000e-005		6.9378	6.9378	1.4000e-004	1.0900e-003	7.2674
Worker	0.0364	0.0105	0.1077	5.0000e-005	2.6000e-004	1.1000e-004	3.7000e-004	1.0000e-004	1.0000e-004	2.0000e-004		4.8008	4.8008	2.4500e-003	1.3900e-003	5.2773
<b>Total</b>	<b>0.0396</b>	<b>0.0853</b>	<b>0.1506</b>	<b>2.4000e-004</b>	<b>4.2300e-003</b>	<b>3.9000e-004</b>	<b>4.6200e-003</b>	<b>1.2000e-003</b>	<b>3.6000e-004</b>	<b>1.5700e-003</b>		<b>24.9049</b>	<b>24.9049</b>	<b>2.6100e-003</b>	<b>4.5500e-003</b>	<b>26.3281</b>

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

CCAR Solar - Mitigated YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.9 Testing, Commissioning, Site Clean Up - 2025**

**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	3.9000e-004	0.0242	4.4200e-003	1.2000e-004	3.8600e-003	2.5000e-004	4.1200e-003	1.0600e-003	2.4000e-004	1.3000e-003		13.1663	13.1663	2.0000e-005	2.0700e-003	13.7834
Vendor	2.7800e-003	0.0506	0.0385	7.0000e-005	1.1000e-004	3.0000e-005	1.3000e-004	4.0000e-005	2.0000e-005	7.0000e-005		6.9378	6.9378	1.4000e-004	1.0900e-003	7.2674
Worker	0.0364	0.0105	0.1077	5.0000e-005	2.6000e-004	1.1000e-004	3.7000e-004	1.0000e-004	1.0000e-004	2.0000e-004		4.8008	4.8008	2.4500e-003	1.3900e-003	5.2773
<b>Total</b>	<b>0.0396</b>	<b>0.0853</b>	<b>0.1506</b>	<b>2.4000e-004</b>	<b>4.2300e-003</b>	<b>3.9000e-004</b>	<b>4.6200e-003</b>	<b>1.2000e-003</b>	<b>3.6000e-004</b>	<b>1.5700e-003</b>		<b>24.9049</b>	<b>24.9049</b>	<b>2.6100e-003</b>	<b>4.5500e-003</b>	<b>26.3281</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

CCAR Solar - Mitigated YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
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

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
User Defined Industrial	0.00	0.00	0.00		
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		

**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
Unrefrigerated Warehouse-No Rail	10.00	5.00	6.50	59.00	0.00	41.00	100	0	0
User Defined Industrial	10.00	5.00	6.50	100.00	0.00	0.00	100	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.512350	0.056893	0.178530	0.139791	0.031559	0.007084	0.020535	0.017167	0.000579	0.000603	0.030442	0.000618	0.003849
User Defined Industrial	0.512350	0.056893	0.178530	0.139791	0.031559	0.007084	0.020535	0.017167	0.000579	0.000603	0.030442	0.000618	0.003849

CCAR Solar - Mitigated YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**5.0 Energy Detail**

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

CCAR Solar - Mitigated YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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					
Unrefrigerated Warehouse-No Rail	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
User Defined Industrial	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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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					
Unrefrigerated Warehouse-No Rail	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
User Defined Industrial	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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

CCAR Solar - Mitigated YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.2300	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
Unmitigated	0.2300	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003

**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	0.0159					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2140					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-004	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
<b>Total</b>	<b>0.2300</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.4100e-003</b>	<b>2.4100e-003</b>	<b>1.0000e-005</b>		<b>2.5600e-003</b>



CCAR Solar - Mitigated YSAQMD - Yolo/Solano AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**6.2 Area by SubCategory**

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	0.0159					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2140					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-004	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
<b>Total</b>	<b>0.2300</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.4100e-003</b>	<b>2.4100e-003</b>	<b>1.0000e-005</b>		<b>2.5600e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

**10.0 Stationary Equipment**

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**Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**CCAR Solar - BACT SMAQMD  
Sacramento Metropolitan AQMD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	10.00	1000sqft	2,555.00	10,000.00	0
User Defined Industrial	1.00	User Defined Unit	0.00	1.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	3.5	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	6			<b>Operational Year</b>	2025
<b>Utility Company</b>	Sacramento Municipal Utility District				
<b>CO2 Intensity (lb/MWhr)</b>	357.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - Operational year 2025.

Land Use - 2,555 acers based on total development area.

Construction Phase - Construction phasing information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant. Off-Highway Trucks include 3 water trucks and 3 dump trucks.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Trips and VMT - Construction trip information is based on data provided by the project applicant.

On-road Fugitive Dust - Assumed 0.5 miles of travel on unpaved roads for worker vehicles.

Grading - 250,000 cubic yards of export

Vehicle Trips - Trip rates were modified to be consistent with the anticipated operation and maintenance activity of 10 trips per day.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - No architectural coatings.

Energy Use - Modified energy demand factors to account for an energy demand of 1,236 MW annually. The energy demand was provided by the project applicant.

Water And Wastewater - Outdoor water use is consistent with the Project Description of 2.2 acre-feet for operation. The 253 acre feet of water during construction is estimated in the user defined land use.

Solid Waste - CalEEMod defaults.

Construction Off-road Equipment Mitigation - Included watering 3x daily, unpaved road stabilization and vehicle speed reduction as Enhanced Fugitive PM dust control practices as recommended by the SMAQMD

Fleet Mix - CalEEMod defaults.

Stationary Sources - Emergency Generators and Fire Pumps - Two, 2,000 horse power Diesel emergency generators

Consumer Products - No consumer products.

Landscape Equipment - No landscaping.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	0
tblAreaCoating	Area_EF_Nonresidential_Interior	100	0
tblAreaCoating	ReapplicationRatePercent	10	0
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	100	0
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	0
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	155,000.00	230.00
tblConstructionPhase	NumDays	155,000.00	200.00

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblConstructionPhase	NumDays	6,000.00	220.00
tblConstructionPhase	NumDays	6,000.00	65.00
tblConstructionPhase	NumDays	6,000.00	68.00
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	LightingElect	1.60	0.00
tblEnergyUse	NT24E	1.36	123.60
tblEnergyUse	T24E	0.23	0.00
tblEnergyUse	T24NG	0.49	0.00
tblGrading	MaterialExported	0.00	250,000.00
tblLandscapeEquipment	NumberSummerDays	250	0
tblLandUse	LandUseSquareFeet	0.00	1.00
tblLandUse	LotAcreage	0.23	2,555.00
tblOffRoadEquipment	HorsePower	85.00	950.00
tblOffRoadEquipment	HorsePower	158.00	172.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	300.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	200.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	168.00	350.00
tblOffRoadEquipment	HorsePower	168.00	160.00
tblOffRoadEquipment	HorsePower	168.00	790.00
tblOffRoadEquipment	HorsePower	168.00	755.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripNumber	31,250.00	5,302.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,292.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,350.00
tblTripsAndVMT	HaulingTripNumber	0.00	4,582.00
tblTripsAndVMT	HaulingTripNumber	0.00	2,184.00
tblTripsAndVMT	HaulingTripNumber	0.00	3,994.00
tblTripsAndVMT	HaulingTripNumber	0.00	438.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,258.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripNumber	0.00	16.00
tblTripsAndVMT	VendorTripNumber	0.00	16.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tbITripsAndVMT	VendorTripNumber	2.00	4.00
tbITripsAndVMT	VendorTripNumber	0.00	2.00
tbITripsAndVMT	VendorTripNumber	2.00	40.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripNumber	33.00	50.00
tbITripsAndVMT	WorkerTripNumber	8.00	74.00
tbITripsAndVMT	WorkerTripNumber	4.00	100.00
tbITripsAndVMT	WorkerTripNumber	15.00	100.00
tbITripsAndVMT	WorkerTripNumber	4.00	476.00
tbITripsAndVMT	WorkerTripNumber	5.00	16.00
tbITripsAndVMT	WorkerTripNumber	15.00	26.00
tbIVehicleTrips	CC_TL	7.50	5.00
tbIVehicleTrips	CC_TL	7.50	5.00
tbIVehicleTrips	CNW_TL	8.50	6.50
tbIVehicleTrips	CNW_TL	8.50	6.50
tbIVehicleTrips	CW_TL	15.00	10.00
tbIVehicleTrips	CW_TL	15.00	10.00
tbIVehicleTrips	CW_TTP	0.00	100.00
tbIVehicleTrips	DV_TP	5.00	0.00
tbIVehicleTrips	PB_TP	3.00	0.00



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	1.74	2.00
tblVehicleTrips	SU_TR	1.74	2.00
tblVehicleTrips	WD_TR	1.74	2.00
tblVehicleTrips	WD_TR	0.00	32.00
tblWater	IndoorWaterUseRate	2,312,500.00	0.00
tblWater	OutdoorWaterUseRate	0.00	716,873.00
tblWater	OutdoorWaterUseRate	0.00	82,440,413.00

**2.0 Emissions Summary**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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					
2024	1.2010	10.8989	11.7775	0.0355	23.6863	0.3778	24.0641	2.7878	0.3490	3.1368	0.0000	3,212.694 2	3,212.694 2	0.6858	0.1260	3,267.378 9
2025	0.6449	5.3745	8.8220	0.0205	25.1552	0.1872	25.3424	2.6331	0.1740	2.8071	0.0000	1,860.897 0	1,860.897 0	0.3228	0.0734	1,890.840 3
<b>Maximum</b>	<b>1.2010</b>	<b>10.8989</b>	<b>11.7775</b>	<b>0.0355</b>	<b>25.1552</b>	<b>0.3778</b>	<b>25.3424</b>	<b>2.7878</b>	<b>0.3490</b>	<b>3.1368</b>	<b>0.0000</b>	<b>3,212.694 2</b>	<b>3,212.694 2</b>	<b>0.6858</b>	<b>0.1260</b>	<b>3,267.378 9</b>

**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					
2024	1.2010	10.8989	11.7775	0.0355	7.1693	0.3778	7.5471	0.9564	0.3490	1.3054	0.0000	3,212.691 7	3,212.691 7	0.6858	0.1260	3,267.376 4
2025	0.6449	5.3745	8.8220	0.0205	7.4665	0.1872	7.6537	0.8632	0.1740	1.0372	0.0000	1,860.895 8	1,860.895 8	0.3228	0.0734	1,890.839 0
<b>Maximum</b>	<b>1.2010</b>	<b>10.8989</b>	<b>11.7775</b>	<b>0.0355</b>	<b>7.4665</b>	<b>0.3778</b>	<b>7.6537</b>	<b>0.9564</b>	<b>0.3490</b>	<b>1.3054</b>	<b>0.0000</b>	<b>3,212.691 7</b>	<b>3,212.691 7</b>	<b>0.6858</b>	<b>0.1260</b>	<b>3,267.376 4</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	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	70.03	0.00	69.23	66.43	0.00	60.59	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2024	3-31-2024	1.0122	1.0122
2	4-1-2024	6-30-2024	2.6287	2.6287
3	7-1-2024	9-30-2024	2.8316	2.8316
4	10-1-2024	12-31-2024	5.6463	5.6463
5	1-1-2025	3-31-2025	2.9085	2.9085
6	4-1-2025	6-30-2025	2.7460	2.7460
7	7-1-2025	9-30-2025	0.3341	0.3341
		Highest	5.6463	5.6463

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	200.6980	200.6980	0.0185	2.2400e-003	201.8288
Mobile	0.0228	0.0318	0.2271	5.0000e-004	0.0539	3.9000e-004	0.0543	0.0144	3.6000e-004	0.0148	0.0000	46.5080	46.5080	2.9600e-003	2.2100e-003	47.2404
Stationary	0.1641	0.7339	0.4184	7.9000e-004		0.0241	0.0241		0.0241	0.0241	0.0000	76.1594	76.1594	0.0107	0.0000	76.4264
Waste						0.0000	0.0000		0.0000	0.0000	1.9081	0.0000	1.9081	0.1128	0.0000	4.7273
Water						0.0000	0.0000		0.0000	0.0000	0.0000	47.2599	47.2599	4.3600e-003	5.3000e-004	47.5262
<b>Total</b>	<b>0.1869</b>	<b>0.7657</b>	<b>0.6455</b>	<b>1.2900e-003</b>	<b>0.0539</b>	<b>0.0245</b>	<b>0.0785</b>	<b>0.0144</b>	<b>0.0245</b>	<b>0.0389</b>	<b>1.9081</b>	<b>370.6253</b>	<b>372.5334</b>	<b>0.1493</b>	<b>4.9800e-003</b>	<b>377.7490</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**2.2 Overall Operational**

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	200.6980	200.6980	0.0185	2.2400e-003	201.8288
Mobile	0.0228	0.0318	0.2271	5.0000e-004	0.0539	3.9000e-004	0.0543	0.0144	3.6000e-004	0.0148	0.0000	46.5080	46.5080	2.9600e-003	2.2100e-003	47.2404
Stationary	0.1641	0.7339	0.4184	7.9000e-004		0.0241	0.0241		0.0241	0.0241	0.0000	76.1594	76.1594	0.0107	0.0000	76.4264
Waste						0.0000	0.0000		0.0000	0.0000	1.9081	0.0000	1.9081	0.1128	0.0000	4.7273
Water						0.0000	0.0000		0.0000	0.0000	0.0000	47.2599	47.2599	4.3600e-003	5.3000e-004	47.5262
<b>Total</b>	<b>0.1869</b>	<b>0.7657</b>	<b>0.6455</b>	<b>1.2900e-003</b>	<b>0.0539</b>	<b>0.0245</b>	<b>0.0785</b>	<b>0.0144</b>	<b>0.0245</b>	<b>0.0389</b>	<b>1.9081</b>	<b>370.6253</b>	<b>372.5334</b>	<b>0.1493</b>	<b>4.9800e-003</b>	<b>377.7490</b>

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

**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	3/1/2024	1/2/2025	5	220	
2	Perimeter Fence Installation	Site Preparation	3/1/2024	5/30/2024	5	65	

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

3	Tree Removal	Site Preparation	3/1/2024	6/4/2024	5	68
4	Energy Storage System	Building Construction	8/1/2024	6/18/2025	5	230
5	Underground Work (Utilities)	Trenching	9/1/2024	1/31/2025	5	110
6	System Installation	Building Construction	9/25/2024	7/1/2025	5	200
7	Gen-Tie Construction	Trenching	10/1/2024	10/30/2024	5	22
8	Testing, Commissioning, Site Clean Up	Trenching	6/1/2025	8/27/2025	5	63

**Acres of Grading (Site Preparation Phase): 550**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	2	8.00	187	0.41
Site Preparation	Off-Highway Trucks	6	8.00	402	0.38
Site Preparation	Rollers	2	8.00	80	0.38
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Perimeter Fence Installation	Off-Highway Trucks	1	8.00	150	0.38
Perimeter Fence Installation	Rough Terrain Forklifts	1	8.00	100	0.40
Perimeter Fence Installation	Rubber Tired Dozers	0	0.00	247	0.40
Perimeter Fence Installation	Skid Steer Loaders	1	8.00	65	0.37
Perimeter Fence Installation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Tree Removal	Crushing/Proc. Equipment	1	8.00	950	0.78
Tree Removal	Excavators	3	8.00	172	0.38
Tree Removal	Other Material Handling Equipment	1	8.00	350	0.40

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Tree Removal	Other Material Handling Equipment	1	8.00	160	0.40
Tree Removal	Other Material Handling Equipment	1	8.00	790	0.40
Tree Removal	Other Material Handling Equipment	1	8.00	755	0.40
Tree Removal	Rubber Tired Dozers	0	8.00	247	0.40
Tree Removal	Skid Steer Loaders	4	8.00	65	0.37
Tree Removal	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Energy Storage System	Cranes	1	8.00	231	0.29
Energy Storage System	Forklifts	0	0.00	89	0.20
Energy Storage System	Generator Sets	0	0.00	84	0.74
Energy Storage System	Graders	0	8.00	187	0.41
Energy Storage System	Off-Highway Trucks	5	8.00	150	0.38
Energy Storage System	Rough Terrain Forklifts	4	8.00	100	0.40
Energy Storage System	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Energy Storage System	Welders	0	0.00	46	0.45
Underground Work (Utilities)	Cranes	0	0.00	231	0.29
Underground Work (Utilities)	Excavators	2	8.00	158	0.38
Underground Work (Utilities)	Off-Highway Trucks	1	8.00	300	0.38
Underground Work (Utilities)	Other Construction Equipment	1	8.00	172	0.42
Underground Work (Utilities)	Rollers	1	8.00	80	0.38
Underground Work (Utilities)	Rough Terrain Forklifts	1	8.00	100	0.40
System Installation	Cranes	1	8.00	231	0.29
System Installation	Forklifts	0	0.00	89	0.20
System Installation	Generator Sets	3	8.00	84	0.74
System Installation	Off-Highway Trucks	5	8.00	150	0.38
System Installation	Other Construction Equipment	5	8.00	172	0.42
System Installation	Rough Terrain Forklifts	10	8.00	100	0.40
System Installation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
System Installation	Welders	0	0.00	46	0.45
Gen-Tie Construction	Off-Highway Trucks	2	8.00	200	0.38

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Testing, Commissioning, Site Clean Up	Graders	1	8.00	187	0.41
Testing, Commissioning, Site Clean Up	Off-Highway Trucks	4	8.00	150	0.38
Testing, Commissioning, Site Clean Up	Skid Steer Loaders	1	8.00	65	0.37

**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	13	50.00	16.00	5,302.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
Perimeter Fence Installation	3	74.00	16.00	1,292.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
Tree Removal	12	30.00	4.00	1,350.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
Energy Storage System	11	100.00	4.00	4,582.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
Underground Work (Utilities)	6	100.00	2.00	2,184.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
System Installation	24	476.00	40.00	3,994.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
Gen-Tie Construction	2	16.00	4.00	438.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
Testing, Commissioning, Site Clean Up	6	26.00	4.00	1,258.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 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					
Fugitive Dust					0.9739	0.0000	0.9739	0.3962	0.0000	0.3962	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.6084	5.1883	4.1254	0.0136		0.2007	0.2007		0.1847	0.1847	0.0000	1,193.4458	1,193.4458	0.3860	0.0000	1,203.0954
<b>Total</b>	<b>0.6084</b>	<b>5.1883</b>	<b>4.1254</b>	<b>0.0136</b>	<b>0.9739</b>	<b>0.2007</b>	<b>1.1746</b>	<b>0.3962</b>	<b>0.1847</b>	<b>0.5809</b>	<b>0.0000</b>	<b>1,193.4458</b>	<b>1,193.4458</b>	<b>0.3860</b>	<b>0.0000</b>	<b>1,203.0954</b>

**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	8.0500e-003	0.5133	0.0979	2.0800e-003	0.0577	3.9000e-003	0.0616	0.0159	3.7300e-003	0.0196	0.0000	206.0522	206.0522	8.2100e-003	0.0327	215.9947
Vendor	4.3500e-003	0.2063	0.0424	9.4000e-004	0.0313	1.3300e-003	0.0327	9.0400e-003	1.2700e-003	0.0103	0.0000	91.9737	91.9737	2.2100e-003	0.0135	96.0393
Worker	0.0226	0.0145	0.2065	6.6000e-004	3.4513	3.8000e-004	3.4517	0.3574	3.5000e-004	0.3578	0.0000	60.4252	60.4252	1.2200e-003	1.4100e-003	60.8758
<b>Total</b>	<b>0.0350</b>	<b>0.7341</b>	<b>0.3468</b>	<b>3.6800e-003</b>	<b>3.5404</b>	<b>5.6100e-003</b>	<b>3.5460</b>	<b>0.3823</b>	<b>5.3500e-003</b>	<b>0.3877</b>	<b>0.0000</b>	<b>358.4510</b>	<b>358.4510</b>	<b>0.0116</b>	<b>0.0476</b>	<b>372.9098</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2024**

**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					0.3798	0.0000	0.3798	0.1545	0.0000	0.1545	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.6084	5.1883	4.1254	0.0136		0.2007	0.2007		0.1847	0.1847	0.0000	1,193.444 3	1,193.444 3	0.3860	0.0000	1,203.093 9
<b>Total</b>	<b>0.6084</b>	<b>5.1883</b>	<b>4.1254</b>	<b>0.0136</b>	<b>0.3798</b>	<b>0.2007</b>	<b>0.5806</b>	<b>0.1545</b>	<b>0.1847</b>	<b>0.3392</b>	<b>0.0000</b>	<b>1,193.444 3</b>	<b>1,193.444 3</b>	<b>0.3860</b>	<b>0.0000</b>	<b>1,203.093 9</b>

**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	8.0500e-003	0.5133	0.0979	2.0800e-003	0.0577	3.9000e-003	0.0616	0.0159	3.7300e-003	0.0196	0.0000	206.0522	206.0522	8.2100e-003	0.0327	215.9947
Vendor	4.3500e-003	0.2063	0.0424	9.4000e-004	0.0313	1.3300e-003	0.0327	9.0400e-003	1.2700e-003	0.0103	0.0000	91.9737	91.9737	2.2100e-003	0.0135	96.0393
Worker	0.0226	0.0145	0.2065	6.6000e-004	1.0076	3.8000e-004	1.0080	0.1135	3.5000e-004	0.1138	0.0000	60.4252	60.4252	1.2200e-003	1.4100e-003	60.8758
<b>Total</b>	<b>0.0350</b>	<b>0.7341</b>	<b>0.3468</b>	<b>3.6800e-003</b>	<b>1.0966</b>	<b>5.6100e-003</b>	<b>1.1023</b>	<b>0.1384</b>	<b>5.3500e-003</b>	<b>0.1437</b>	<b>0.0000</b>	<b>358.4510</b>	<b>358.4510</b>	<b>0.0116</b>	<b>0.0476</b>	<b>372.9098</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 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					
Fugitive Dust					0.3235	0.0000	0.3235	0.0387	0.0000	0.0387	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.2100e-003	0.0413	0.0366	1.2000e-004		1.5800e-003	1.5800e-003		1.4500e-003	1.4500e-003	0.0000	10.9441	10.9441	3.5400e-003	0.0000	11.0326
<b>Total</b>	<b>5.2100e-003</b>	<b>0.0413</b>	<b>0.0366</b>	<b>1.2000e-004</b>	<b>0.3235</b>	<b>1.5800e-003</b>	<b>0.3251</b>	<b>0.0387</b>	<b>1.4500e-003</b>	<b>0.0402</b>	<b>0.0000</b>	<b>10.9441</b>	<b>10.9441</b>	<b>3.5400e-003</b>	<b>0.0000</b>	<b>11.0326</b>

**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	7.0000e-005	4.5800e-003	9.0000e-004	2.0000e-005	5.3000e-004	4.0000e-005	5.6000e-004	1.5000e-004	3.0000e-005	1.8000e-004	0.0000	1.8508	1.8508	7.0000e-005	2.9000e-004	1.9401
Vendor	4.0000e-005	1.8500e-003	3.8000e-004	1.0000e-005	2.9000e-004	1.0000e-005	3.0000e-004	8.0000e-005	1.0000e-005	9.0000e-005	0.0000	0.8268	0.8268	2.0000e-005	1.2000e-004	0.8634
Worker	1.9000e-004	1.2000e-004	1.7600e-003	1.0000e-005	0.0317	0.0000	0.0317	3.2800e-003	0.0000	3.2800e-003	0.0000	0.5356	0.5356	1.0000e-005	1.0000e-005	0.5395
<b>Total</b>	<b>3.0000e-004</b>	<b>6.5500e-003</b>	<b>3.0400e-003</b>	<b>4.0000e-005</b>	<b>0.0325</b>	<b>5.0000e-005</b>	<b>0.0325</b>	<b>3.5100e-003</b>	<b>4.0000e-005</b>	<b>3.5500e-003</b>	<b>0.0000</b>	<b>3.2132</b>	<b>3.2132</b>	<b>1.0000e-004</b>	<b>4.2000e-004</b>	<b>3.3430</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2025**

**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					0.1262	0.0000	0.1262	0.0151	0.0000	0.0151	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.2100e-003	0.0413	0.0366	1.2000e-004		1.5800e-003	1.5800e-003		1.4500e-003	1.4500e-003	0.0000	10.9441	10.9441	3.5400e-003	0.0000	11.0326
<b>Total</b>	<b>5.2100e-003</b>	<b>0.0413</b>	<b>0.0366</b>	<b>1.2000e-004</b>	<b>0.1262</b>	<b>1.5800e-003</b>	<b>0.1278</b>	<b>0.0151</b>	<b>1.4500e-003</b>	<b>0.0166</b>	<b>0.0000</b>	<b>10.9441</b>	<b>10.9441</b>	<b>3.5400e-003</b>	<b>0.0000</b>	<b>11.0326</b>

**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	7.0000e-005	4.5800e-003	9.0000e-004	2.0000e-005	5.3000e-004	4.0000e-005	5.6000e-004	1.5000e-004	3.0000e-005	1.8000e-004	0.0000	1.8508	1.8508	7.0000e-005	2.9000e-004	1.9401
Vendor	4.0000e-005	1.8500e-003	3.8000e-004	1.0000e-005	2.9000e-004	1.0000e-005	3.0000e-004	8.0000e-005	1.0000e-005	9.0000e-005	0.0000	0.8268	0.8268	2.0000e-005	1.2000e-004	0.8634
Worker	1.9000e-004	1.2000e-004	1.7600e-003	1.0000e-005	9.2400e-003	0.0000	9.2500e-003	1.0400e-003	0.0000	1.0400e-003	0.0000	0.5356	0.5356	1.0000e-005	1.0000e-005	0.5395
<b>Total</b>	<b>3.0000e-004</b>	<b>6.5500e-003</b>	<b>3.0400e-003</b>	<b>4.0000e-005</b>	<b>0.0101</b>	<b>5.0000e-005</b>	<b>0.0101</b>	<b>1.2700e-003</b>	<b>4.0000e-005</b>	<b>1.3100e-003</b>	<b>0.0000</b>	<b>3.2132</b>	<b>3.2132</b>	<b>1.0000e-004</b>	<b>4.2000e-004</b>	<b>3.3430</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Perimeter Fence Installation - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0127	0.1196	0.2280	3.4000e-004		4.4900e-003	4.4900e-003		4.1300e-003	4.1300e-003	0.0000	29.6918	29.6918	9.6000e-003	0.0000	29.9318
<b>Total</b>	<b>0.0127</b>	<b>0.1196</b>	<b>0.2280</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>4.4900e-003</b>	<b>4.4900e-003</b>	<b>0.0000</b>	<b>4.1300e-003</b>	<b>4.1300e-003</b>	<b>0.0000</b>	<b>29.6918</b>	<b>29.6918</b>	<b>9.6000e-003</b>	<b>0.0000</b>	<b>29.9318</b>

**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	1.9800e-003	0.1262	0.0241	5.1000e-004	0.0142	9.6000e-004	0.0152	3.9000e-003	9.2000e-004	4.8200e-003	0.0000	50.6718	50.6718	2.0200e-003	8.0400e-003	53.1168
Vendor	1.3000e-003	0.0615	0.0127	2.8000e-004	9.3400e-003	4.0000e-004	9.7300e-003	2.7000e-003	3.8000e-004	3.0800e-003	0.0000	27.4233	27.4233	6.6000e-004	4.0100e-003	28.6356
Worker	9.9500e-003	6.4100e-003	0.0911	2.9000e-004	1.5230	1.7000e-004	1.5232	0.1577	1.5000e-004	0.1579	0.0000	26.6647	26.6647	5.4000e-004	6.2000e-004	26.8635
<b>Total</b>	<b>0.0132</b>	<b>0.1941</b>	<b>0.1278</b>	<b>1.0800e-003</b>	<b>1.5466</b>	<b>1.5300e-003</b>	<b>1.5481</b>	<b>0.1643</b>	<b>1.4500e-003</b>	<b>0.1658</b>	<b>0.0000</b>	<b>104.7598</b>	<b>104.7598</b>	<b>3.2200e-003</b>	<b>0.0127</b>	<b>108.6159</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Perimeter Fence Installation - 2024**

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0127	0.1196	0.2280	3.4000e-004		4.4900e-003	4.4900e-003		4.1300e-003	4.1300e-003	0.0000	29.6917	29.6917	9.6000e-003	0.0000	29.9318
<b>Total</b>	<b>0.0127</b>	<b>0.1196</b>	<b>0.2280</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>4.4900e-003</b>	<b>4.4900e-003</b>	<b>0.0000</b>	<b>4.1300e-003</b>	<b>4.1300e-003</b>	<b>0.0000</b>	<b>29.6917</b>	<b>29.6917</b>	<b>9.6000e-003</b>	<b>0.0000</b>	<b>29.9318</b>

**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	1.9800e-003	0.1262	0.0241	5.1000e-004	0.0142	9.6000e-004	0.0152	3.9000e-003	9.2000e-004	4.8200e-003	0.0000	50.6718	50.6718	2.0200e-003	8.0400e-003	53.1168
Vendor	1.3000e-003	0.0615	0.0127	2.8000e-004	9.3400e-003	4.0000e-004	9.7300e-003	2.7000e-003	3.8000e-004	3.0800e-003	0.0000	27.4233	27.4233	6.6000e-004	4.0100e-003	28.6356
Worker	9.9500e-003	6.4100e-003	0.0911	2.9000e-004	0.4446	1.7000e-004	0.4448	0.0501	1.5000e-004	0.0502	0.0000	26.6647	26.6647	5.4000e-004	6.2000e-004	26.8635
<b>Total</b>	<b>0.0132</b>	<b>0.1941</b>	<b>0.1278</b>	<b>1.0800e-003</b>	<b>0.4682</b>	<b>1.5300e-003</b>	<b>0.4697</b>	<b>0.0567</b>	<b>1.4500e-003</b>	<b>0.0581</b>	<b>0.0000</b>	<b>104.7598</b>	<b>104.7598</b>	<b>3.2200e-003</b>	<b>0.0127</b>	<b>108.6159</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Tree Removal - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0543	0.4785	0.7789	1.4500e-003		0.0207	0.0207		0.0191	0.0191	0.0000	127.3967	127.3967	0.0412	0.0000	128.4268
<b>Total</b>	<b>0.0543</b>	<b>0.4785</b>	<b>0.7789</b>	<b>1.4500e-003</b>	<b>0.0000</b>	<b>0.0207</b>	<b>0.0207</b>	<b>0.0000</b>	<b>0.0191</b>	<b>0.0191</b>	<b>0.0000</b>	<b>127.3967</b>	<b>127.3967</b>	<b>0.0412</b>	<b>0.0000</b>	<b>128.4268</b>

**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	2.0700e-003	0.1319	0.0252	5.3000e-004	0.0148	1.0000e-003	0.0158	4.0700e-003	9.6000e-004	5.0300e-003	0.0000	52.9465	52.9465	2.1100e-003	8.4000e-003	55.5013
Vendor	3.4000e-004	0.0161	3.3100e-003	7.0000e-005	2.4400e-003	1.0000e-004	2.5500e-003	7.1000e-004	1.0000e-004	8.0000e-004	0.0000	7.1723	7.1723	1.7000e-004	1.0500e-003	7.4893
Worker	4.2200e-003	2.7200e-003	0.0386	1.2000e-004	0.6459	7.0000e-005	0.6460	0.0669	7.0000e-005	0.0670	0.0000	11.3089	11.3089	2.3000e-004	2.6000e-004	11.3933
<b>Total</b>	<b>6.6300e-003</b>	<b>0.1507</b>	<b>0.0671</b>	<b>7.2000e-004</b>	<b>0.6632</b>	<b>1.1700e-003</b>	<b>0.6644</b>	<b>0.0717</b>	<b>1.1300e-003</b>	<b>0.0728</b>	<b>0.0000</b>	<b>71.4277</b>	<b>71.4277</b>	<b>2.5100e-003</b>	<b>9.7100e-003</b>	<b>74.3839</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Tree Removal - 2024**

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0543	0.4785	0.7789	1.4500e-003		0.0207	0.0207		0.0191	0.0191	0.0000	127.3966	127.3966	0.0412	0.0000	128.4267
<b>Total</b>	<b>0.0543</b>	<b>0.4785</b>	<b>0.7789</b>	<b>1.4500e-003</b>	<b>0.0000</b>	<b>0.0207</b>	<b>0.0207</b>	<b>0.0000</b>	<b>0.0191</b>	<b>0.0191</b>	<b>0.0000</b>	<b>127.3966</b>	<b>127.3966</b>	<b>0.0412</b>	<b>0.0000</b>	<b>128.4267</b>

**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	2.0700e-003	0.1319	0.0252	5.3000e-004	0.0148	1.0000e-003	0.0158	4.0700e-003	9.6000e-004	5.0300e-003	0.0000	52.9465	52.9465	2.1100e-003	8.4000e-003	55.5013
Vendor	3.4000e-004	0.0161	3.3100e-003	7.0000e-005	2.4400e-003	1.0000e-004	2.5500e-003	7.1000e-004	1.0000e-004	8.0000e-004	0.0000	7.1723	7.1723	1.7000e-004	1.0500e-003	7.4893
Worker	4.2200e-003	2.7200e-003	0.0386	1.2000e-004	0.1886	7.0000e-005	0.1887	0.0212	7.0000e-005	0.0213	0.0000	11.3089	11.3089	2.3000e-004	2.6000e-004	11.3933
<b>Total</b>	<b>6.6300e-003</b>	<b>0.1507</b>	<b>0.0671</b>	<b>7.2000e-004</b>	<b>0.2059</b>	<b>1.1700e-003</b>	<b>0.2070</b>	<b>0.0260</b>	<b>1.1300e-003</b>	<b>0.0271</b>	<b>0.0000</b>	<b>71.4277</b>	<b>71.4277</b>	<b>2.5100e-003</b>	<b>9.7100e-003</b>	<b>74.3839</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 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	0.1096	0.9736	1.6284	2.5700e-003		0.0397	0.0397		0.0365	0.0365	0.0000	225.4199	225.4199	0.0729	0.0000	227.2425
<b>Total</b>	<b>0.1096</b>	<b>0.9736</b>	<b>1.6284</b>	<b>2.5700e-003</b>		<b>0.0397</b>	<b>0.0397</b>		<b>0.0365</b>	<b>0.0365</b>	<b>0.0000</b>	<b>225.4199</b>	<b>225.4199</b>	<b>0.0729</b>	<b>0.0000</b>	<b>227.2425</b>

**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	3.3300e-003	0.2121	0.0405	8.6000e-004	0.0239	1.6100e-003	0.0255	6.5500e-003	1.5400e-003	8.1000e-003	0.0000	85.1643	85.1643	3.3900e-003	0.0135	89.2736
Vendor	5.4000e-004	0.0258	5.3000e-003	1.2000e-004	3.9100e-003	1.7000e-004	4.0800e-003	1.1300e-003	1.6000e-004	1.2900e-003	0.0000	11.4967	11.4967	2.8000e-004	1.6800e-003	12.0049
Worker	0.0226	0.0145	0.2065	6.6000e-004	3.4513	3.8000e-004	3.4517	0.3574	3.5000e-004	0.3578	0.0000	60.4252	60.4252	1.2200e-003	1.4100e-003	60.8758
<b>Total</b>	<b>0.0264</b>	<b>0.2524</b>	<b>0.2522</b>	<b>1.6400e-003</b>	<b>3.4791</b>	<b>2.1600e-003</b>	<b>3.4813</b>	<b>0.3651</b>	<b>2.0500e-003</b>	<b>0.3672</b>	<b>0.0000</b>	<b>157.0862</b>	<b>157.0862</b>	<b>4.8900e-003</b>	<b>0.0166</b>	<b>162.1543</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2024**

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	0.1096	0.9736	1.6284	2.5700e-003		0.0397	0.0397		0.0365	0.0365	0.0000	225.4196	225.4196	0.0729	0.0000	227.2422
<b>Total</b>	<b>0.1096</b>	<b>0.9736</b>	<b>1.6284</b>	<b>2.5700e-003</b>		<b>0.0397</b>	<b>0.0397</b>		<b>0.0365</b>	<b>0.0365</b>	<b>0.0000</b>	<b>225.4196</b>	<b>225.4196</b>	<b>0.0729</b>	<b>0.0000</b>	<b>227.2422</b>

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	3.3300e-003	0.2121	0.0405	8.6000e-004	0.0239	1.6100e-003	0.0255	6.5500e-003	1.5400e-003	8.1000e-003	0.0000	85.1643	85.1643	3.3900e-003	0.0135	89.2736
Vendor	5.4000e-004	0.0258	5.3000e-003	1.2000e-004	3.9100e-003	1.7000e-004	4.0800e-003	1.1300e-003	1.6000e-004	1.2900e-003	0.0000	11.4967	11.4967	2.8000e-004	1.6800e-003	12.0049
Worker	0.0226	0.0145	0.2065	6.6000e-004	1.0076	3.8000e-004	1.0080	0.1135	3.5000e-004	0.1138	0.0000	60.4252	60.4252	1.2200e-003	1.4100e-003	60.8758
<b>Total</b>	<b>0.0264</b>	<b>0.2524</b>	<b>0.2522</b>	<b>1.6400e-003</b>	<b>1.0354</b>	<b>2.1600e-003</b>	<b>1.0375</b>	<b>0.1211</b>	<b>2.0500e-003</b>	<b>0.1232</b>	<b>0.0000</b>	<b>157.0862</b>	<b>157.0862</b>	<b>4.8900e-003</b>	<b>0.0166</b>	<b>162.1543</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 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	0.1154	0.9894	1.8050	2.8500e-003		0.0399	0.0399		0.0367	0.0367	0.0000	250.1777	250.1777	0.0809	0.0000	252.2005
<b>Total</b>	<b>0.1154</b>	<b>0.9894</b>	<b>1.8050</b>	<b>2.8500e-003</b>		<b>0.0399</b>	<b>0.0399</b>		<b>0.0367</b>	<b>0.0367</b>	<b>0.0000</b>	<b>250.1777</b>	<b>250.1777</b>	<b>0.0809</b>	<b>0.0000</b>	<b>252.2005</b>

**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	3.6000e-003	0.2290	0.0451	9.3000e-004	0.0265	1.7600e-003	0.0282	7.2700e-003	1.6800e-003	8.9500e-003	0.0000	92.5605	92.5605	3.7100e-003	0.0147	97.0277
Vendor	5.8000e-004	0.0280	5.6900e-003	1.3000e-004	4.3400e-003	1.8000e-004	4.5300e-003	1.2500e-003	1.7000e-004	1.4300e-003	0.0000	12.5052	12.5052	3.0000e-004	1.8300e-003	13.0590
Worker	0.0236	0.0144	0.2131	7.1000e-004	3.8313	4.0000e-004	3.8317	0.3968	3.7000e-004	0.3972	0.0000	64.8107	64.8107	1.2200e-003	1.4600e-003	65.2753
<b>Total</b>	<b>0.0278</b>	<b>0.2714</b>	<b>0.2639</b>	<b>1.7700e-003</b>	<b>3.8621</b>	<b>2.3400e-003</b>	<b>3.8645</b>	<b>0.4053</b>	<b>2.2200e-003</b>	<b>0.4075</b>	<b>0.0000</b>	<b>169.8763</b>	<b>169.8763</b>	<b>5.2300e-003</b>	<b>0.0180</b>	<b>175.3621</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2025**

**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	0.1154	0.9894	1.8050	2.8500e-003		0.0399	0.0399		0.0367	0.0367	0.0000	250.1774	250.1774	0.0809	0.0000	252.2002
<b>Total</b>	<b>0.1154</b>	<b>0.9894</b>	<b>1.8050</b>	<b>2.8500e-003</b>		<b>0.0399</b>	<b>0.0399</b>		<b>0.0367</b>	<b>0.0367</b>	<b>0.0000</b>	<b>250.1774</b>	<b>250.1774</b>	<b>0.0809</b>	<b>0.0000</b>	<b>252.2002</b>

**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	3.6000e-003	0.2290	0.0451	9.3000e-004	0.0265	1.7600e-003	0.0282	7.2700e-003	1.6800e-003	8.9500e-003	0.0000	92.5605	92.5605	3.7100e-003	0.0147	97.0277
Vendor	5.8000e-004	0.0280	5.6900e-003	1.3000e-004	4.3400e-003	1.8000e-004	4.5300e-003	1.2500e-003	1.7000e-004	1.4300e-003	0.0000	12.5052	12.5052	3.0000e-004	1.8300e-003	13.0590
Worker	0.0236	0.0144	0.2131	7.1000e-004	1.1185	4.0000e-004	1.1189	0.1260	3.7000e-004	0.1263	0.0000	64.8107	64.8107	1.2200e-003	1.4600e-003	65.2753
<b>Total</b>	<b>0.0278</b>	<b>0.2714</b>	<b>0.2639</b>	<b>1.7700e-003</b>	<b>1.1493</b>	<b>2.3400e-003</b>	<b>1.1517</b>	<b>0.1345</b>	<b>2.2200e-003</b>	<b>0.1367</b>	<b>0.0000</b>	<b>169.8763</b>	<b>169.8763</b>	<b>5.2300e-003</b>	<b>0.0180</b>	<b>175.3621</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 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	0.0571	0.4948	0.7442	1.4100e-003		0.0224	0.0224		0.0206	0.0206	0.0000	123.9969	123.9969	0.0401	0.0000	124.9995
<b>Total</b>	<b>0.0571</b>	<b>0.4948</b>	<b>0.7442</b>	<b>1.4100e-003</b>		<b>0.0224</b>	<b>0.0224</b>		<b>0.0206</b>	<b>0.0206</b>	<b>0.0000</b>	<b>123.9969</b>	<b>123.9969</b>	<b>0.0401</b>	<b>0.0000</b>	<b>124.9995</b>

**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	2.6500e-003	0.1688	0.0322	6.8000e-004	0.0190	1.2800e-003	0.0203	5.2100e-003	1.2300e-003	6.4400e-003	0.0000	67.7459	67.7459	2.7000e-003	0.0107	71.0148
Vendor	2.2000e-004	0.0103	2.1200e-003	5.0000e-005	1.5600e-003	7.0000e-005	1.6300e-003	4.5000e-004	6.0000e-005	5.1000e-004	0.0000	4.5881	4.5881	1.1000e-004	6.7000e-004	4.7910
Worker	0.0180	0.0116	0.1648	5.3000e-004	2.7547	3.0000e-004	2.7550	0.2853	2.8000e-004	0.2856	0.0000	48.2293	48.2293	9.8000e-004	1.1300e-003	48.5889
<b>Total</b>	<b>0.0209</b>	<b>0.1906</b>	<b>0.1991</b>	<b>1.2600e-003</b>	<b>2.7753</b>	<b>1.6500e-003</b>	<b>2.7769</b>	<b>0.2910</b>	<b>1.5700e-003</b>	<b>0.2925</b>	<b>0.0000</b>	<b>120.5633</b>	<b>120.5633</b>	<b>3.7900e-003</b>	<b>0.0125</b>	<b>124.3947</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2024**

**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	0.0571	0.4948	0.7442	1.4100e-003		0.0224	0.0224		0.0206	0.0206	0.0000	123.9968	123.9968	0.0401	0.0000	124.9994
<b>Total</b>	<b>0.0571</b>	<b>0.4948</b>	<b>0.7442</b>	<b>1.4100e-003</b>		<b>0.0224</b>	<b>0.0224</b>		<b>0.0206</b>	<b>0.0206</b>	<b>0.0000</b>	<b>123.9968</b>	<b>123.9968</b>	<b>0.0401</b>	<b>0.0000</b>	<b>124.9994</b>

**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	2.6500e-003	0.1688	0.0322	6.8000e-004	0.0190	1.2800e-003	0.0203	5.2100e-003	1.2300e-003	6.4400e-003	0.0000	67.7459	67.7459	2.7000e-003	0.0107	71.0148
Vendor	2.2000e-004	0.0103	2.1200e-003	5.0000e-005	1.5600e-003	7.0000e-005	1.6300e-003	4.5000e-004	6.0000e-005	5.1000e-004	0.0000	4.5881	4.5881	1.1000e-004	6.7000e-004	4.7910
Worker	0.0180	0.0116	0.1648	5.3000e-004	0.8042	3.0000e-004	0.8045	0.0906	2.8000e-004	0.0908	0.0000	48.2293	48.2293	9.8000e-004	1.1300e-003	48.5889
<b>Total</b>	<b>0.0209</b>	<b>0.1906</b>	<b>0.1991</b>	<b>1.2600e-003</b>	<b>0.8248</b>	<b>1.6500e-003</b>	<b>0.8264</b>	<b>0.0962</b>	<b>1.5700e-003</b>	<b>0.0978</b>	<b>0.0000</b>	<b>120.5633</b>	<b>120.5633</b>	<b>3.7900e-003</b>	<b>0.0125</b>	<b>124.3947</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 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	0.0141	0.1158	0.1958	3.7000e-004		5.1500e-003	5.1500e-003		4.7400e-003	4.7400e-003	0.0000	32.7800	32.7800	0.0106	0.0000	33.0450
<b>Total</b>	<b>0.0141</b>	<b>0.1158</b>	<b>0.1958</b>	<b>3.7000e-004</b>		<b>5.1500e-003</b>	<b>5.1500e-003</b>		<b>4.7400e-003</b>	<b>4.7400e-003</b>	<b>0.0000</b>	<b>32.7800</b>	<b>32.7800</b>	<b>0.0106</b>	<b>0.0000</b>	<b>33.0450</b>

**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	6.8000e-004	0.0434	8.5500e-003	1.8000e-004	5.0200e-003	3.3000e-004	5.3500e-003	1.3800e-003	3.2000e-004	1.7000e-003	0.0000	17.5348	17.5348	7.0000e-004	2.7800e-003	18.3811
Vendor	5.0000e-005	2.6600e-003	5.4000e-004	1.0000e-005	4.1000e-004	2.0000e-005	4.3000e-004	1.2000e-004	2.0000e-005	1.4000e-004	0.0000	1.1885	1.1885	3.0000e-005	1.7000e-004	1.2412
Worker	4.4800e-003	2.7300e-003	0.0405	1.3000e-004	0.7283	8.0000e-005	0.7283	0.0754	7.0000e-005	0.0755	0.0000	12.3194	12.3194	2.3000e-004	2.8000e-004	12.4077
<b>Total</b>	<b>5.2100e-003</b>	<b>0.0488</b>	<b>0.0496</b>	<b>3.2000e-004</b>	<b>0.7337</b>	<b>4.3000e-004</b>	<b>0.7341</b>	<b>0.0769</b>	<b>4.1000e-004</b>	<b>0.0773</b>	<b>0.0000</b>	<b>31.0427</b>	<b>31.0427</b>	<b>9.6000e-004</b>	<b>3.2300e-003</b>	<b>32.0299</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2025**

**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	0.0141	0.1158	0.1958	3.7000e-004		5.1500e-003	5.1500e-003		4.7400e-003	4.7400e-003	0.0000	32.7799	32.7799	0.0106	0.0000	33.0450
<b>Total</b>	<b>0.0141</b>	<b>0.1158</b>	<b>0.1958</b>	<b>3.7000e-004</b>		<b>5.1500e-003</b>	<b>5.1500e-003</b>		<b>4.7400e-003</b>	<b>4.7400e-003</b>	<b>0.0000</b>	<b>32.7799</b>	<b>32.7799</b>	<b>0.0106</b>	<b>0.0000</b>	<b>33.0450</b>

**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	6.8000e-004	0.0434	8.5500e-003	1.8000e-004	5.0200e-003	3.3000e-004	5.3500e-003	1.3800e-003	3.2000e-004	1.7000e-003	0.0000	17.5348	17.5348	7.0000e-004	2.7800e-003	18.3811
Vendor	5.0000e-005	2.6600e-003	5.4000e-004	1.0000e-005	4.1000e-004	2.0000e-005	4.3000e-004	1.2000e-004	2.0000e-005	1.4000e-004	0.0000	1.1885	1.1885	3.0000e-005	1.7000e-004	1.2412
Worker	4.4800e-003	2.7300e-003	0.0405	1.3000e-004	0.2126	8.0000e-005	0.2127	0.0239	7.0000e-005	0.0240	0.0000	12.3194	12.3194	2.3000e-004	2.8000e-004	12.4077
<b>Total</b>	<b>5.2100e-003</b>	<b>0.0488</b>	<b>0.0496</b>	<b>3.2000e-004</b>	<b>0.2180</b>	<b>4.3000e-004</b>	<b>0.2185</b>	<b>0.0254</b>	<b>4.1000e-004</b>	<b>0.0259</b>	<b>0.0000</b>	<b>31.0427</b>	<b>31.0427</b>	<b>9.6000e-004</b>	<b>3.2300e-003</b>	<b>32.0299</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 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	0.1749	1.6872	2.5352	4.0400e-003		0.0724	0.0724		0.0676	0.0676	0.0000	353.0857	353.0857	0.0974	0.0000	355.5208
<b>Total</b>	<b>0.1749</b>	<b>1.6872</b>	<b>2.5352</b>	<b>4.0400e-003</b>		<b>0.0724</b>	<b>0.0724</b>		<b>0.0676</b>	<b>0.0676</b>	<b>0.0000</b>	<b>353.0857</b>	<b>353.0857</b>	<b>0.0974</b>	<b>0.0000</b>	<b>355.5208</b>

**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	2.1400e-003	0.1366	0.0261	5.5000e-004	0.0154	1.0400e-003	0.0164	4.2200e-003	9.9000e-004	5.2100e-003	0.0000	54.8251	54.8251	2.1900e-003	8.6900e-003	57.4706
Vendor	3.5000e-003	0.1656	0.0341	7.6000e-004	0.0251	1.0700e-003	0.0262	7.2600e-003	1.0200e-003	8.2800e-003	0.0000	73.8321	73.8321	1.7800e-003	0.0108	77.0958
Worker	0.0690	0.0444	0.6311	2.0100e-003	10.5503	1.1600e-003	10.5515	1.0926	1.0700e-003	1.0937	0.0000	184.7126	184.7126	3.7400e-003	4.3100e-003	186.0900
<b>Total</b>	<b>0.0746</b>	<b>0.3466</b>	<b>0.6913</b>	<b>3.3200e-003</b>	<b>10.5908</b>	<b>3.2700e-003</b>	<b>10.5941</b>	<b>1.1041</b>	<b>3.0800e-003</b>	<b>1.1072</b>	<b>0.0000</b>	<b>313.3698</b>	<b>313.3698</b>	<b>7.7100e-003</b>	<b>0.0238</b>	<b>320.6564</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2024**

**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	0.1749	1.6872	2.5352	4.0400e-003		0.0724	0.0724		0.0676	0.0676	0.0000	353.0853	353.0853	0.0974	0.0000	355.5203
<b>Total</b>	<b>0.1749</b>	<b>1.6872</b>	<b>2.5352</b>	<b>4.0400e-003</b>		<b>0.0724</b>	<b>0.0724</b>		<b>0.0676</b>	<b>0.0676</b>	<b>0.0000</b>	<b>353.0853</b>	<b>353.0853</b>	<b>0.0974</b>	<b>0.0000</b>	<b>355.5203</b>

**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	2.1400e-003	0.1366	0.0261	5.5000e-004	0.0154	1.0400e-003	0.0164	4.2200e-003	9.9000e-004	5.2100e-003	0.0000	54.8251	54.8251	2.1900e-003	8.6900e-003	57.4706
Vendor	3.5000e-003	0.1656	0.0341	7.6000e-004	0.0251	1.0700e-003	0.0262	7.2600e-003	1.0200e-003	8.2800e-003	0.0000	73.8321	73.8321	1.7800e-003	0.0108	77.0958
Worker	0.0690	0.0444	0.6311	2.0100e-003	3.0801	1.1600e-003	3.0813	0.3468	1.0700e-003	0.3479	0.0000	184.7126	184.7126	3.7400e-003	4.3100e-003	186.0900
<b>Total</b>	<b>0.0746</b>	<b>0.3466</b>	<b>0.6913</b>	<b>3.3200e-003</b>	<b>3.1206</b>	<b>3.2700e-003</b>	<b>3.1239</b>	<b>0.3583</b>	<b>3.0800e-003</b>	<b>0.3614</b>	<b>0.0000</b>	<b>313.3698</b>	<b>313.3698</b>	<b>7.7100e-003</b>	<b>0.0238</b>	<b>320.6564</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 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	0.3023	2.8417	4.6981	7.5000e-003		0.1184	0.1184		0.1104	0.1104	0.0000	655.7556	655.7556	0.1805	0.0000	660.2684
<b>Total</b>	<b>0.3023</b>	<b>2.8417</b>	<b>4.6981</b>	<b>7.5000e-003</b>		<b>0.1184</b>	<b>0.1184</b>		<b>0.1104</b>	<b>0.1104</b>	<b>0.0000</b>	<b>655.7556</b>	<b>655.7556</b>	<b>0.1805</b>	<b>0.0000</b>	<b>660.2684</b>

**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	3.8800e-003	0.2467	0.0486	1.0100e-003	0.0285	1.8900e-003	0.0304	7.8300e-003	1.8100e-003	9.6400e-003	0.0000	99.6860	99.6860	3.9900e-003	0.0158	104.4972
Vendor	6.1900e-003	0.3006	0.0612	1.3800e-003	0.0467	1.9500e-003	0.0486	0.0135	1.8600e-003	0.0153	0.0000	134.3531	134.3531	3.2300e-003	0.0197	140.3034
Worker	0.1206	0.0734	1.0898	3.6100e-003	19.5935	2.0600e-003	19.5955	2.0292	1.9000e-003	2.0311	0.0000	331.4450	331.4450	6.2500e-003	7.4500e-003	333.8213
<b>Total</b>	<b>0.1306</b>	<b>0.6206</b>	<b>1.1995</b>	<b>6.0000e-003</b>	<b>19.6687</b>	<b>5.9000e-003</b>	<b>19.6746</b>	<b>2.0505</b>	<b>5.5700e-003</b>	<b>2.0561</b>	<b>0.0000</b>	<b>565.4842</b>	<b>565.4842</b>	<b>0.0135</b>	<b>0.0430</b>	<b>578.6219</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2025**

**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	0.3023	2.8416	4.6981	7.5000e-003		0.1184	0.1184		0.1104	0.1104	0.0000	655.7549	655.7549	0.1805	0.0000	660.2676
<b>Total</b>	<b>0.3023</b>	<b>2.8416</b>	<b>4.6981</b>	<b>7.5000e-003</b>		<b>0.1184</b>	<b>0.1184</b>		<b>0.1104</b>	<b>0.1104</b>	<b>0.0000</b>	<b>655.7549</b>	<b>655.7549</b>	<b>0.1805</b>	<b>0.0000</b>	<b>660.2676</b>

**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	3.8800e-003	0.2467	0.0486	1.0100e-003	0.0285	1.8900e-003	0.0304	7.8300e-003	1.8100e-003	9.6400e-003	0.0000	99.6860	99.6860	3.9900e-003	0.0158	104.4972
Vendor	6.1900e-003	0.3006	0.0612	1.3800e-003	0.0467	1.9500e-003	0.0486	0.0135	1.8600e-003	0.0153	0.0000	134.3531	134.3531	3.2300e-003	0.0197	140.3034
Worker	0.1206	0.0734	1.0898	3.6100e-003	5.7202	2.0600e-003	5.7222	0.6441	1.9000e-003	0.6460	0.0000	331.4450	331.4450	6.2500e-003	7.4500e-003	333.8213
<b>Total</b>	<b>0.1306</b>	<b>0.6206</b>	<b>1.1995</b>	<b>6.0000e-003</b>	<b>5.7954</b>	<b>5.9000e-003</b>	<b>5.8013</b>	<b>0.6654</b>	<b>5.5700e-003</b>	<b>0.6710</b>	<b>0.0000</b>	<b>565.4842</b>	<b>565.4842</b>	<b>0.0135</b>	<b>0.0430</b>	<b>578.6219</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.8 Gen-Tie 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	5.9600e-003	0.0400	0.0371	1.4000e-004		1.6000e-003	1.6000e-003		1.4700e-003	1.4700e-003	0.0000	12.5497	12.5497	4.0600e-003	0.0000	12.6512
<b>Total</b>	<b>5.9600e-003</b>	<b>0.0400</b>	<b>0.0371</b>	<b>1.4000e-004</b>		<b>1.6000e-003</b>	<b>1.6000e-003</b>		<b>1.4700e-003</b>	<b>1.4700e-003</b>	<b>0.0000</b>	<b>12.5497</b>	<b>12.5497</b>	<b>4.0600e-003</b>	<b>0.0000</b>	<b>12.6512</b>

**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	6.7000e-004	0.0428	8.1600e-003	1.7000e-004	4.8100e-003	3.3000e-004	5.1400e-003	1.3200e-003	3.1000e-004	1.6300e-003	0.0000	17.1782	17.1782	6.8000e-004	2.7200e-003	18.0071
Vendor	1.1000e-004	5.2000e-003	1.0700e-003	2.0000e-005	7.9000e-004	3.0000e-005	8.2000e-004	2.3000e-004	3.0000e-005	2.6000e-004	0.0000	2.3204	2.3204	6.0000e-005	3.4000e-004	2.4230
Worker	7.3000e-004	4.7000e-004	6.6700e-003	2.0000e-005	0.1115	1.0000e-005	0.1115	0.0115	1.0000e-005	0.0116	0.0000	1.9514	1.9514	4.0000e-005	5.0000e-005	1.9659
<b>Total</b>	<b>1.5100e-003</b>	<b>0.0485</b>	<b>0.0159</b>	<b>2.1000e-004</b>	<b>0.1171</b>	<b>3.7000e-004</b>	<b>0.1174</b>	<b>0.0131</b>	<b>3.5000e-004</b>	<b>0.0134</b>	<b>0.0000</b>	<b>21.4500</b>	<b>21.4500</b>	<b>7.8000e-004</b>	<b>3.1100e-003</b>	<b>22.3960</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.8 Gen-Tie Construction - 2024**

**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	5.9600e-003	0.0400	0.0371	1.4000e-004		1.6000e-003	1.6000e-003		1.4700e-003	1.4700e-003	0.0000	12.5497	12.5497	4.0600e-003	0.0000	12.6512
<b>Total</b>	<b>5.9600e-003</b>	<b>0.0400</b>	<b>0.0371</b>	<b>1.4000e-004</b>		<b>1.6000e-003</b>	<b>1.6000e-003</b>		<b>1.4700e-003</b>	<b>1.4700e-003</b>	<b>0.0000</b>	<b>12.5497</b>	<b>12.5497</b>	<b>4.0600e-003</b>	<b>0.0000</b>	<b>12.6512</b>

**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	6.7000e-004	0.0428	8.1600e-003	1.7000e-004	4.8100e-003	3.3000e-004	5.1400e-003	1.3200e-003	3.1000e-004	1.6300e-003	0.0000	17.1782	17.1782	6.8000e-004	2.7200e-003	18.0071
Vendor	1.1000e-004	5.2000e-003	1.0700e-003	2.0000e-005	7.9000e-004	3.0000e-005	8.2000e-004	2.3000e-004	3.0000e-005	2.6000e-004	0.0000	2.3204	2.3204	6.0000e-005	3.4000e-004	2.4230
Worker	7.3000e-004	4.7000e-004	6.6700e-003	2.0000e-005	0.0325	1.0000e-005	0.0326	3.6600e-003	1.0000e-005	3.6800e-003	0.0000	1.9514	1.9514	4.0000e-005	5.0000e-005	1.9659
<b>Total</b>	<b>1.5100e-003</b>	<b>0.0485</b>	<b>0.0159</b>	<b>2.1000e-004</b>	<b>0.0381</b>	<b>3.7000e-004</b>	<b>0.0385</b>	<b>5.2100e-003</b>	<b>3.5000e-004</b>	<b>5.5700e-003</b>	<b>0.0000</b>	<b>21.4500</b>	<b>21.4500</b>	<b>7.8000e-004</b>	<b>3.1100e-003</b>	<b>22.3960</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.9 Testing, Commissioning, Site Clean Up - 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	0.0387	0.3030	0.5152	8.9000e-004		0.0125	0.0125		0.0115	0.0115	0.0000	78.0336	78.0336	0.0252	0.0000	78.6645
<b>Total</b>	<b>0.0387</b>	<b>0.3030</b>	<b>0.5152</b>	<b>8.9000e-004</b>		<b>0.0125</b>	<b>0.0125</b>		<b>0.0115</b>	<b>0.0115</b>	<b>0.0000</b>	<b>78.0336</b>	<b>78.0336</b>	<b>0.0252</b>	<b>0.0000</b>	<b>78.6645</b>

**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	1.8800e-003	0.1195	0.0235	4.9000e-004	0.0138	9.2000e-004	0.0147	3.8000e-003	8.8000e-004	4.6700e-003	0.0000	48.3052	48.3052	1.9400e-003	7.6600e-003	50.6365
Vendor	3.0000e-004	0.0146	2.9600e-003	7.0000e-005	2.2600e-003	9.0000e-005	2.3600e-003	6.5000e-004	9.0000e-005	7.4000e-004	0.0000	6.5110	6.5110	1.6000e-004	9.5000e-004	6.7993
Worker	3.1900e-003	1.9400e-003	0.0289	1.0000e-004	0.5187	5.0000e-005	0.5187	0.0537	5.0000e-005	0.0538	0.0000	8.7735	8.7735	1.7000e-004	2.0000e-004	8.8365
<b>Total</b>	<b>5.3700e-003</b>	<b>0.1360</b>	<b>0.0554</b>	<b>6.6000e-004</b>	<b>0.5347</b>	<b>1.0600e-003</b>	<b>0.5358</b>	<b>0.0582</b>	<b>1.0200e-003</b>	<b>0.0592</b>	<b>0.0000</b>	<b>63.5897</b>	<b>63.5897</b>	<b>2.2700e-003</b>	<b>8.8100e-003</b>	<b>66.2723</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.9 Testing, Commissioning, Site Clean Up - 2025**

**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	0.0387	0.3030	0.5152	8.9000e-004		0.0125	0.0125		0.0115	0.0115	0.0000	78.0335	78.0335	0.0252	0.0000	78.6644
<b>Total</b>	<b>0.0387</b>	<b>0.3030</b>	<b>0.5152</b>	<b>8.9000e-004</b>		<b>0.0125</b>	<b>0.0125</b>		<b>0.0115</b>	<b>0.0115</b>	<b>0.0000</b>	<b>78.0335</b>	<b>78.0335</b>	<b>0.0252</b>	<b>0.0000</b>	<b>78.6644</b>

**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	1.8800e-003	0.1195	0.0235	4.9000e-004	0.0138	9.2000e-004	0.0147	3.8000e-003	8.8000e-004	4.6700e-003	0.0000	48.3052	48.3052	1.9400e-003	7.6600e-003	50.6365
Vendor	3.0000e-004	0.0146	2.9600e-003	7.0000e-005	2.2600e-003	9.0000e-005	2.3600e-003	6.5000e-004	9.0000e-005	7.4000e-004	0.0000	6.5110	6.5110	1.6000e-004	9.5000e-004	6.7993
Worker	3.1900e-003	1.9400e-003	0.0289	1.0000e-004	0.1514	5.0000e-005	0.1515	0.0171	5.0000e-005	0.0171	0.0000	8.7735	8.7735	1.7000e-004	2.0000e-004	8.8365
<b>Total</b>	<b>5.3700e-003</b>	<b>0.1360</b>	<b>0.0554</b>	<b>6.6000e-004</b>	<b>0.1675</b>	<b>1.0600e-003</b>	<b>0.1686</b>	<b>0.0215</b>	<b>1.0200e-003</b>	<b>0.0225</b>	<b>0.0000</b>	<b>63.5897</b>	<b>63.5897</b>	<b>2.2700e-003</b>	<b>8.8100e-003</b>	<b>66.2723</b>

**4.0 Operational Detail - Mobile**



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.0228	0.0318	0.2271	5.0000e-004	0.0539	3.9000e-004	0.0543	0.0144	3.6000e-004	0.0148	0.0000	46.5080	46.5080	2.9600e-003	2.2100e-003	47.2404
Unmitigated	0.0228	0.0318	0.2271	5.0000e-004	0.0539	3.9000e-004	0.0543	0.0144	3.6000e-004	0.0148	0.0000	46.5080	46.5080	2.9600e-003	2.2100e-003	47.2404

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	20.00	20.00	20.00	62,353	62,353
User Defined Industrial	32.00	0.00	0.00	83,200	83,200
<b>Total</b>	<b>52.00</b>	<b>20.00</b>	<b>20.00</b>	<b>145,553</b>	<b>145,553</b>

**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
Unrefrigerated Warehouse-No Rail	10.00	5.00	6.50	59.00	0.00	41.00	100	0	0
User Defined Industrial	10.00	5.00	6.50	100.00	0.00	0.00	100	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.546433	0.056674	0.183423	0.128799	0.024661	0.005883	0.013276	0.009437	0.000898	0.000581	0.025768	0.000959	0.003207

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User Defined Industrial	0.546433	0.056674	0.183423	0.128799	0.024661	0.005883	0.013276	0.009437	0.000898	0.000581	0.025768	0.000959	0.003207
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**5.0 Energy Detail**

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	200.6980	200.6980	0.0185	2.2400e-003	201.8288
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	200.6980	200.6980	0.0185	2.2400e-003	201.8288
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



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	1.236e+006	200.6980	0.0185	2.2400e-003	201.8288
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>200.6980</b>	<b>0.0185</b>	<b>2.2400e-003</b>	<b>201.8288</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	1.236e+006	200.6980	0.0185	2.2400e-003	201.8288
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>200.6980</b>	<b>0.0185</b>	<b>2.2400e-003</b>	<b>201.8288</b>

**6.0 Area Detail**



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**6.2 Area by SubCategory**

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	47.2599	4.3600e-003	5.3000e-004	47.5262
Unmitigated	47.2599	4.3600e-003	5.3000e-004	47.5262

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	0 / 0.716873	0.4074	4.0000e-005	0.0000	0.4097
User Defined Industrial	0 / 82.4404	46.8525	4.3200e-003	5.2000e-004	47.1165
<b>Total</b>		<b>47.2599</b>	<b>4.3600e-003</b>	<b>5.2000e-004</b>	<b>47.5262</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**7.2 Water by Land Use**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	0 / 0.716873	0.4074	4.0000e-005	0.0000	0.4097
User Defined Industrial	0 / 82.4404	46.8525	4.3200e-003	5.2000e-004	47.1165
<b>Total</b>		<b>47.2599</b>	<b>4.3600e-003</b>	<b>5.2000e-004</b>	<b>47.5262</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1.9081	0.1128	0.0000	4.7273
Unmitigated	1.9081	0.1128	0.0000	4.7273



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**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	9.4	1.9081	0.1128	0.0000	4.7273
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>1.9081</b>	<b>0.1128</b>	<b>0.0000</b>	<b>4.7273</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	9.4	1.9081	0.1128	0.0000	4.7273
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>1.9081</b>	<b>0.1128</b>	<b>0.0000</b>	<b>4.7273</b>

**9.0 Operational Offroad**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

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

**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	0.5	50	2000	0.73	Diesel

**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

**User Defined Equipment**

Equipment Type	Number
----------------	--------

**10.1 Stationary Sources**

**Unmitigated/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
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (750 - 9999 HP)	0.1641	0.7339	0.4184	7.9000e-004		0.0241	0.0241		0.0241	0.0241	0.0000	76.1594	76.1594	0.0107	0.0000	76.4264
<b>Total</b>	<b>0.1641</b>	<b>0.7339</b>	<b>0.4184</b>	<b>7.9000e-004</b>		<b>0.0241</b>	<b>0.0241</b>		<b>0.0241</b>	<b>0.0241</b>	<b>0.0000</b>	<b>76.1594</b>	<b>76.1594</b>	<b>0.0107</b>	<b>0.0000</b>	<b>76.4264</b>

**11.0 Vegetation**

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**CCAR Solar - BACT SMAQMD**  
**Sacramento Metropolitan AQMD Air District, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	10.00	1000sqft	2,555.00	10,000.00	0
User Defined Industrial	1.00	User Defined Unit	0.00	1.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	3.5	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	6			<b>Operational Year</b>	2025
<b>Utility Company</b>	Sacramento Municipal Utility District				
<b>CO2 Intensity (lb/MWhr)</b>	357.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - Operational year 2025.

Land Use - 2,555 acers based on total development area.

Construction Phase - Construction phasing information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant. Off-Highway Trucks include 3 water trucks and 3 dump trucks.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Trips and VMT - Construction trip information is based on data provided by the project applicant.

On-road Fugitive Dust - Assumed 0.5 miles of travel on unpaved roads for worker vehicles.

Grading - 250,000 cubic yards of export

Vehicle Trips - Trip rates were modified to be consistent with the anticipated operation and maintenance activity of 10 trips per day.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - No architectural coatings.

Energy Use - Modified energy demand factors to account for an energy demand of 1,236 MW annually. The energy demand was provided by the project applicant.

Water And Wastewater - Outdoor water use is consistent with the Project Description of 2.2 acre-feet for operation. The 253 acre feet of water during construction is estimated in the user defined land use.

Solid Waste - CalEEMod defaults.

Construction Off-road Equipment Mitigation - Included watering 3x daily, unpaved road stabilization and vehicle speed reduction as Enhanced Fugitive PM dust control control in practices as recommended by the SMAQMD

Fleet Mix - CalEEMod defaults.

Stationary Sources - Emergency Generators and Fire Pumps - Two, 2,000 horse power Diesel emergency generators

Consumer Products - No consumer products.

Landscape Equipment - No landscaping.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	0
tblAreaCoating	Area_EF_Nonresidential_Interior	100	0
tblAreaCoating	ReapplicationRatePercent	10	0
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	100	0
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	0
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	155,000.00	230.00
tblConstructionPhase	NumDays	155,000.00	200.00

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblConstructionPhase	NumDays	6,000.00	220.00
tblConstructionPhase	NumDays	6,000.00	65.00
tblConstructionPhase	NumDays	6,000.00	68.00
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	LightingElect	1.60	0.00
tblEnergyUse	NT24E	1.36	123.60
tblEnergyUse	T24E	0.23	0.00
tblEnergyUse	T24NG	0.49	0.00
tblGrading	MaterialExported	0.00	250,000.00
tblLandscapeEquipment	NumberSummerDays	250	0
tblLandUse	LandUseSquareFeet	0.00	1.00
tblLandUse	LotAcreage	0.23	2,555.00
tblOffRoadEquipment	HorsePower	85.00	950.00
tblOffRoadEquipment	HorsePower	158.00	172.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	300.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	200.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	168.00	350.00
tblOffRoadEquipment	HorsePower	168.00	160.00
tblOffRoadEquipment	HorsePower	168.00	790.00
tblOffRoadEquipment	HorsePower	168.00	755.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripNumber	31,250.00	5,302.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,292.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,350.00
tblTripsAndVMT	HaulingTripNumber	0.00	4,582.00
tblTripsAndVMT	HaulingTripNumber	0.00	2,184.00
tblTripsAndVMT	HaulingTripNumber	0.00	3,994.00
tblTripsAndVMT	HaulingTripNumber	0.00	438.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,258.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripNumber	0.00	16.00
tblTripsAndVMT	VendorTripNumber	0.00	16.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tbITripsAndVMT	VendorTripNumber	2.00	4.00
tbITripsAndVMT	VendorTripNumber	0.00	2.00
tbITripsAndVMT	VendorTripNumber	2.00	40.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripNumber	33.00	50.00
tbITripsAndVMT	WorkerTripNumber	8.00	74.00
tbITripsAndVMT	WorkerTripNumber	4.00	100.00
tbITripsAndVMT	WorkerTripNumber	15.00	100.00
tbITripsAndVMT	WorkerTripNumber	4.00	476.00
tbITripsAndVMT	WorkerTripNumber	5.00	16.00
tbITripsAndVMT	WorkerTripNumber	15.00	26.00
tbIVehicleTrips	CC_TL	7.50	5.00
tbIVehicleTrips	CC_TL	7.50	5.00
tbIVehicleTrips	CNW_TL	8.50	6.50
tbIVehicleTrips	CNW_TL	8.50	6.50
tbIVehicleTrips	CW_TL	15.00	10.00
tbIVehicleTrips	CW_TL	15.00	10.00
tbIVehicleTrips	CW_TTP	0.00	100.00
tbIVehicleTrips	DV_TP	5.00	0.00
tbIVehicleTrips	PB_TP	3.00	0.00

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	1.74	2.00
tblVehicleTrips	SU_TR	1.74	2.00
tblVehicleTrips	WD_TR	1.74	2.00
tblVehicleTrips	WD_TR	0.00	32.00
tblWater	IndoorWaterUseRate	2,312,500.00	0.00
tblWater	OutdoorWaterUseRate	0.00	716,873.00
tblWater	OutdoorWaterUseRate	0.00	82,440,413.00

**2.0 Emissions Summary**

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CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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					
2024	18.3595	156.9542	200.1522	0.5488	569.5078	5.5556	575.0634	62.0409	5.1452	67.1862	0.0000	54,899.29 85	54,899.29 85	10.5031	2.1819	55,812.07 15
2025	16.5520	134.8242	191.2677	0.5103	556.9709	4.7214	561.6923	60.6579	4.3728	65.0307	0.0000	50,911.83 85	50,911.83 85	9.9848	1.8238	51,704.94 65
<b>Maximum</b>	<b>18.3595</b>	<b>156.9542</b>	<b>200.1522</b>	<b>0.5488</b>	<b>569.5078</b>	<b>5.5556</b>	<b>575.0634</b>	<b>62.0409</b>	<b>5.1452</b>	<b>67.1862</b>	<b>0.0000</b>	<b>54,899.29 85</b>	<b>54,899.29 85</b>	<b>10.5031</b>	<b>2.1819</b>	<b>55,812.07 15</b>

**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					
2024	18.3595	156.9542	200.1522	0.5488	168.5085	5.5556	174.0641	20.3327	5.1452	25.4779	0.0000	54,899.29 85	54,899.29 85	10.5031	2.1819	55,812.07 15
2025	16.5520	134.8242	191.2677	0.5103	164.5013	4.7214	169.2227	19.8012	4.3728	24.1740	0.0000	50,911.83 85	50,911.83 85	9.9848	1.8238	51,704.94 65
<b>Maximum</b>	<b>18.3595</b>	<b>156.9542</b>	<b>200.1522</b>	<b>0.5488</b>	<b>168.5085</b>	<b>5.5556</b>	<b>174.0641</b>	<b>20.3327</b>	<b>5.1452</b>	<b>25.4779</b>	<b>0.0000</b>	<b>54,899.29 85</b>	<b>54,899.29 85</b>	<b>10.5031</b>	<b>2.1819</b>	<b>55,812.07 15</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	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	70.44	0.00	69.80	67.29	0.00	62.45	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	1.0000e-004	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
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	0.1834	0.1970	1.6708	3.6500e-003	0.3770	2.6200e-003	0.3797	0.1005	2.4500e-003	0.1030		371.7569	371.7569	0.0212	0.0158	376.9805
Stationary	3.2821	14.6775	8.3688	0.0158		0.4828	0.4828		0.4828	0.4828		1,679.0282	1,679.0282	0.2354		1,684.9132
<b>Total</b>	<b>3.4657</b>	<b>14.8745</b>	<b>10.0407</b>	<b>0.0194</b>	<b>0.3770</b>	<b>0.4854</b>	<b>0.8625</b>	<b>0.1005</b>	<b>0.4853</b>	<b>0.5858</b>		<b>2,050.7875</b>	<b>2,050.7875</b>	<b>0.2566</b>	<b>0.0158</b>	<b>2,061.8963</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**2.2 Overall Operational**

**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	1.0000e-004	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
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	0.1834	0.1970	1.6708	3.6500e-003	0.3770	2.6200e-003	0.3797	0.1005	2.4500e-003	0.1030		371.7569	371.7569	0.0212	0.0158	376.9805
Stationary	3.2821	14.6775	8.3688	0.0158		0.4828	0.4828		0.4828	0.4828		1,679.0282	1,679.0282	0.2354		1,684.9132
<b>Total</b>	<b>3.4657</b>	<b>14.8745</b>	<b>10.0407</b>	<b>0.0194</b>	<b>0.3770</b>	<b>0.4854</b>	<b>0.8625</b>	<b>0.1005</b>	<b>0.4853</b>	<b>0.5858</b>		<b>2,050.7875</b>	<b>2,050.7875</b>	<b>0.2566</b>	<b>0.0158</b>	<b>2,061.8963</b>

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

**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	3/1/2024	1/2/2025	5	220	
2	Perimeter Fence Installation	Site Preparation	3/1/2024	5/30/2024	5	65	
3	Tree Removal	Site Preparation	3/1/2024	6/4/2024	5	68	
4	Energy Storage System	Building Construction	8/1/2024	6/18/2025	5	230	

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

5	Underground Work (Utilities)	Trenching	9/1/2024	1/31/2025	5	110
6	System Installation	Building Construction	9/25/2024	7/1/2025	5	200
7	Gen-Tie Construction	Trenching	10/1/2024	10/30/2024	5	22
8	Testing, Commissioning, Site Clean Up	Trenching	6/1/2025	8/27/2025	5	63

**Acres of Grading (Site Preparation Phase): 550**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	2	8.00	187	0.41
Site Preparation	Off-Highway Trucks	6	8.00	402	0.38
Site Preparation	Rollers	2	8.00	80	0.38
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Perimeter Fence Installation	Off-Highway Trucks	1	8.00	150	0.38
Perimeter Fence Installation	Rough Terrain Forklifts	1	8.00	100	0.40
Perimeter Fence Installation	Rubber Tired Dozers	0	0.00	247	0.40
Perimeter Fence Installation	Skid Steer Loaders	1	8.00	65	0.37
Perimeter Fence Installation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Tree Removal	Crushing/Proc. Equipment	1	8.00	950	0.78
Tree Removal	Excavators	3	8.00	172	0.38
Tree Removal	Other Material Handling Equipment	1	8.00	350	0.40
Tree Removal	Other Material Handling Equipment	1	8.00	160	0.40
Tree Removal	Other Material Handling Equipment	1	8.00	790	0.40

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Tree Removal	Other Material Handling Equipment	1	8.00	755	0.40
Tree Removal	Rubber Tired Dozers	0	8.00	247	0.40
Tree Removal	Skid Steer Loaders	4	8.00	65	0.37
Tree Removal	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Energy Storage System	Cranes	1	8.00	231	0.29
Energy Storage System	Forklifts	0	0.00	89	0.20
Energy Storage System	Generator Sets	0	0.00	84	0.74
Energy Storage System	Graders	0	8.00	187	0.41
Energy Storage System	Off-Highway Trucks	5	8.00	150	0.38
Energy Storage System	Rough Terrain Forklifts	4	8.00	100	0.40
Energy Storage System	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Energy Storage System	Welders	0	0.00	46	0.45
Underground Work (Utilities)	Cranes	0	0.00	231	0.29
Underground Work (Utilities)	Excavators	2	8.00	158	0.38
Underground Work (Utilities)	Off-Highway Trucks	1	8.00	300	0.38
Underground Work (Utilities)	Other Construction Equipment	1	8.00	172	0.42
Underground Work (Utilities)	Rollers	1	8.00	80	0.38
Underground Work (Utilities)	Rough Terrain Forklifts	1	8.00	100	0.40
System Installation	Cranes	1	8.00	231	0.29
System Installation	Forklifts	0	0.00	89	0.20
System Installation	Generator Sets	3	8.00	84	0.74
System Installation	Off-Highway Trucks	5	8.00	150	0.38
System Installation	Other Construction Equipment	5	8.00	172	0.42
System Installation	Rough Terrain Forklifts	10	8.00	100	0.40
System Installation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
System Installation	Welders	0	0.00	46	0.45
Gen-Tie Construction	Off-Highway Trucks	2	8.00	200	0.38
Testing, Comissioning, Site Clean Up	Graders	1	8.00	187	0.41
Testing, Comissioning, Site Clean Up	Off-Highway Trucks	4	8.00	150	0.38

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Testing, Comissioning, Site Clean Up	Skid Steer Loaders	1	8.00	65	0.37
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**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	13	50.00	16.00	5,302.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
Perimeter Fence Installation	3	74.00	16.00	1,292.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
Tree Removal	12	30.00	4.00	1,350.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
Energy Storage System	11	100.00	4.00	4,582.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
Underground Work (Utilities)	6	100.00	2.00	2,184.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
System Installation	24	476.00	40.00	3,994.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
Gen-Tie Construction	2	16.00	4.00	438.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
Testing, Comissioning, Site Cle	6	26.00	4.00	1,258.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads



CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 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					
Fugitive Dust					8.9083	0.0000	8.9083	3.6321	0.0000	3.6321			0.0000			0.0000
Off-Road	5.5818	47.5988	37.8480	0.1247		1.8416	1.8416		1.6943	1.6943		12,069.25 47	12,069.25 47	3.9034		12,166.84 07
<b>Total</b>	<b>5.5818</b>	<b>47.5988</b>	<b>37.8480</b>	<b>0.1247</b>	<b>8.9083</b>	<b>1.8416</b>	<b>10.7499</b>	<b>3.6321</b>	<b>1.6943</b>	<b>5.3264</b>		<b>12,069.25 47</b>	<b>12,069.25 47</b>	<b>3.9034</b>		<b>12,166.84 07</b>

**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	0.0752	4.4408	0.8930	0.0191	0.5461	0.0358	0.5818	0.1495	0.0342	0.1837		2,083.377 1	2,083.377 1	0.0831	0.3304	2,183.904 2
Vendor	0.0406	1.7837	0.3863	8.6700e-003	0.2957	0.0122	0.3079	0.0850	0.0117	0.0967		930.0151	930.0151	0.0224	0.1360	971.0924
Worker	0.2310	0.1212	2.2959	6.6300e-003	37.5356	3.4900e-003	37.5391	3.8689	3.2100e-003	3.8721		670.1488	670.1488	0.0124	0.0134	674.4495
<b>Total</b>	<b>0.3467</b>	<b>6.3458</b>	<b>3.5752</b>	<b>0.0344</b>	<b>38.3774</b>	<b>0.0514</b>	<b>38.4288</b>	<b>4.1034</b>	<b>0.0491</b>	<b>4.1525</b>		<b>3,683.541 0</b>	<b>3,683.541 0</b>	<b>0.1180</b>	<b>0.4797</b>	<b>3,829.446 1</b>

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2024**

**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					3.4743	0.0000	3.4743	1.4165	0.0000	1.4165			0.0000			0.0000
Off-Road	5.5818	47.5988	37.8480	0.1247		1.8416	1.8416		1.6943	1.6943	0.0000	12,069.25 47	12,069.25 47	3.9034		12,166.84 07
<b>Total</b>	<b>5.5818</b>	<b>47.5988</b>	<b>37.8480</b>	<b>0.1247</b>	<b>3.4743</b>	<b>1.8416</b>	<b>5.3158</b>	<b>1.4165</b>	<b>1.6943</b>	<b>3.1108</b>	<b>0.0000</b>	<b>12,069.25 47</b>	<b>12,069.25 47</b>	<b>3.9034</b>		<b>12,166.84 07</b>

**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	0.0752	4.4408	0.8930	0.0191	0.5461	0.0358	0.5818	0.1495	0.0342	0.1837		2,083.377 1	2,083.377 1	0.0831	0.3304	2,183.904 2
Vendor	0.0406	1.7837	0.3863	8.6700e-003	0.2957	0.0122	0.3079	0.0850	0.0117	0.0967		930.0151	930.0151	0.0224	0.1360	971.0924
Worker	0.2310	0.1212	2.2959	6.6300e-003	10.8803	3.4900e-003	10.8838	1.2077	3.2100e-003	1.2109		670.1488	670.1488	0.0124	0.0134	674.4495
<b>Total</b>	<b>0.3467</b>	<b>6.3458</b>	<b>3.5752</b>	<b>0.0344</b>	<b>11.7221</b>	<b>0.0514</b>	<b>11.7735</b>	<b>1.4422</b>	<b>0.0491</b>	<b>1.4913</b>		<b>3,683.541 0</b>	<b>3,683.541 0</b>	<b>0.1180</b>	<b>0.4797</b>	<b>3,829.446 1</b>

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 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					
Fugitive Dust					8.9083	0.0000	8.9083	3.6321	0.0000	3.6321			0.0000			0.0000
Off-Road	5.2136	41.3329	36.6024	0.1246		1.5773	1.5773		1.4511	1.4511		12,063.8187	12,063.8187	3.9017		12,161.3608
<b>Total</b>	<b>5.2136</b>	<b>41.3329</b>	<b>36.6024</b>	<b>0.1246</b>	<b>8.9083</b>	<b>1.5773</b>	<b>10.4856</b>	<b>3.6321</b>	<b>1.4511</b>	<b>5.0832</b>		<b>12,063.8187</b>	<b>12,063.8187</b>	<b>3.9017</b>		<b>12,161.3608</b>

**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	0.0734	4.3188	0.8967	0.0187	0.5459	0.0351	0.5810	0.1495	0.0335	0.1830		2,039.7239	2,039.7239	0.0818	0.3235	2,138.1667
Vendor	0.0387	1.7434	0.3734	8.4900e-003	0.2957	0.0120	0.3076	0.0850	0.0114	0.0965		911.2554	911.2554	0.0220	0.1335	951.5837
Worker	0.2171	0.1080	2.1323	6.4000e-003	37.5356	3.3300e-003	37.5390	3.8689	3.0600e-003	3.8720		647.3470	647.3470	0.0111	0.0125	651.3422
<b>Total</b>	<b>0.3292</b>	<b>6.1702</b>	<b>3.4024</b>	<b>0.0336</b>	<b>38.3772</b>	<b>0.0504</b>	<b>38.4276</b>	<b>4.1034</b>	<b>0.0480</b>	<b>4.1514</b>		<b>3,598.3263</b>	<b>3,598.3263</b>	<b>0.1149</b>	<b>0.4694</b>	<b>3,741.0925</b>

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2025**

**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					3.4743	0.0000	3.4743	1.4165	0.0000	1.4165			0.0000			0.0000
Off-Road	5.2136	41.3329	36.6024	0.1246		1.5773	1.5773		1.4511	1.4511	0.0000	12,063.8187	12,063.8187	3.9017		12,161.3608
<b>Total</b>	<b>5.2136</b>	<b>41.3329</b>	<b>36.6024</b>	<b>0.1246</b>	<b>3.4743</b>	<b>1.5773</b>	<b>5.0515</b>	<b>1.4165</b>	<b>1.4511</b>	<b>2.8676</b>	<b>0.0000</b>	<b>12,063.8187</b>	<b>12,063.8187</b>	<b>3.9017</b>		<b>12,161.3608</b>

**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	0.0734	4.3188	0.8967	0.0187	0.5459	0.0351	0.5810	0.1495	0.0335	0.1830		2,039.7239	2,039.7239	0.0818	0.3235	2,138.1667
Vendor	0.0387	1.7434	0.3734	8.4900e-003	0.2957	0.0120	0.3076	0.0850	0.0114	0.0965		911.2554	911.2554	0.0220	0.1335	951.5837
Worker	0.2171	0.1080	2.1323	6.4000e-003	10.8803	3.3300e-003	10.8836	1.2077	3.0600e-003	1.2107		647.3470	647.3470	0.0111	0.0125	651.3422
<b>Total</b>	<b>0.3292</b>	<b>6.1702</b>	<b>3.4024</b>	<b>0.0336</b>	<b>11.7219</b>	<b>0.0504</b>	<b>11.7722</b>	<b>1.4421</b>	<b>0.0480</b>	<b>1.4902</b>		<b>3,598.3263</b>	<b>3,598.3263</b>	<b>0.1149</b>	<b>0.4694</b>	<b>3,741.0925</b>

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Perimeter Fence Installation - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3898	3.6790	7.0160	0.0104		0.1380	0.1380		0.1270	0.1270		1,007.0634	1,007.0634	0.3257		1,015.2060
<b>Total</b>	<b>0.3898</b>	<b>3.6790</b>	<b>7.0160</b>	<b>0.0104</b>	<b>0.0000</b>	<b>0.1380</b>	<b>0.1380</b>	<b>0.0000</b>	<b>0.1270</b>	<b>0.1270</b>		<b>1,007.0634</b>	<b>1,007.0634</b>	<b>0.3257</b>		<b>1,015.2060</b>

**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	0.0620	3.6627	0.7365	0.0157	0.4504	0.0295	0.4799	0.1233	0.0282	0.1515		1,718.3040	1,718.3040	0.0686	0.2725	1,801.2156
Vendor	0.0406	1.7837	0.3863	8.6700e-003	0.2957	0.0122	0.3079	0.0850	0.0117	0.0967		930.0151	930.0151	0.0224	0.1360	971.0924
Worker	0.3418	0.1794	3.3979	9.8100e-003	55.5528	5.1600e-003	55.5579	5.7260	4.7500e-003	5.7307		991.8202	991.8202	0.0184	0.0198	998.1853
<b>Total</b>	<b>0.4444</b>	<b>5.6258</b>	<b>4.5208</b>	<b>0.0342</b>	<b>56.2988</b>	<b>0.0468</b>	<b>56.3457</b>	<b>5.9343</b>	<b>0.0446</b>	<b>5.9789</b>		<b>3,640.1393</b>	<b>3,640.1393</b>	<b>0.1093</b>	<b>0.4283</b>	<b>3,770.4933</b>

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Perimeter Fence Installation - 2024**

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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3898	3.6790	7.0160	0.0104		0.1380	0.1380		0.1270	0.1270	0.0000	1,007.0634	1,007.0634	0.3257		1,015.2060
<b>Total</b>	<b>0.3898</b>	<b>3.6790</b>	<b>7.0160</b>	<b>0.0104</b>	<b>0.0000</b>	<b>0.1380</b>	<b>0.1380</b>	<b>0.0000</b>	<b>0.1270</b>	<b>0.1270</b>	<b>0.0000</b>	<b>1,007.0634</b>	<b>1,007.0634</b>	<b>0.3257</b>		<b>1,015.2060</b>

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	0.0620	3.6627	0.7365	0.0157	0.4504	0.0295	0.4799	0.1233	0.0282	0.1515		1,718.3040	1,718.3040	0.0686	0.2725	1,801.2156
Vendor	0.0406	1.7837	0.3863	8.6700e-003	0.2957	0.0122	0.3079	0.0850	0.0117	0.0967		930.0151	930.0151	0.0224	0.1360	971.0924
Worker	0.3418	0.1794	3.3979	9.8100e-003	16.1029	5.1600e-003	16.1080	1.7874	4.7500e-003	1.7921		991.8202	991.8202	0.0184	0.0198	998.1853
<b>Total</b>	<b>0.4444</b>	<b>5.6258</b>	<b>4.5208</b>	<b>0.0342</b>	<b>16.8489</b>	<b>0.0468</b>	<b>16.8958</b>	<b>1.9957</b>	<b>0.0446</b>	<b>2.0403</b>		<b>3,640.1393</b>	<b>3,640.1393</b>	<b>0.1093</b>	<b>0.4283</b>	<b>3,770.4933</b>

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Tree Removal - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.5961	14.0725	22.9085	0.0427		0.6089	0.6089		0.5602	0.5602		4,130.3198	4,130.3198	1.3358		4,163.7155
<b>Total</b>	<b>1.5961</b>	<b>14.0725</b>	<b>22.9085</b>	<b>0.0427</b>	<b>0.0000</b>	<b>0.6089</b>	<b>0.6089</b>	<b>0.0000</b>	<b>0.5602</b>	<b>0.5602</b>		<b>4,130.3198</b>	<b>4,130.3198</b>	<b>1.3358</b>		<b>4,163.7155</b>

**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	0.0620	3.6582	0.7356	0.0157	0.4498	0.0295	0.4793	0.1232	0.0282	0.1513		1,716.2309	1,716.2309	0.0685	0.2722	1,799.0424
Vendor	0.0101	0.4459	0.0966	2.1700e-003	0.0739	3.0500e-003	0.0770	0.0213	2.9200e-003	0.0242		232.5038	232.5038	5.6100e-003	0.0340	242.7731
Worker	0.1386	0.0727	1.3775	3.9800e-003	22.5214	2.0900e-003	22.5235	2.3213	1.9300e-003	2.3233		402.0893	402.0893	7.4400e-003	8.0300e-003	404.6697
<b>Total</b>	<b>0.2107</b>	<b>4.1769</b>	<b>2.2097</b>	<b>0.0219</b>	<b>23.0451</b>	<b>0.0346</b>	<b>23.0797</b>	<b>2.4657</b>	<b>0.0330</b>	<b>2.4988</b>		<b>2,350.8239</b>	<b>2,350.8239</b>	<b>0.0815</b>	<b>0.3142</b>	<b>2,446.4852</b>

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Tree Removal - 2024**

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.5961	14.0725	22.9085	0.0427		0.6089	0.6089		0.5602	0.5602	0.0000	4,130.3197	4,130.3197	1.3358		4,163.7155
<b>Total</b>	<b>1.5961</b>	<b>14.0725</b>	<b>22.9085</b>	<b>0.0427</b>	<b>0.0000</b>	<b>0.6089</b>	<b>0.6089</b>	<b>0.0000</b>	<b>0.5602</b>	<b>0.5602</b>	<b>0.0000</b>	<b>4,130.3197</b>	<b>4,130.3197</b>	<b>1.3358</b>		<b>4,163.7155</b>

**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	0.0620	3.6582	0.7356	0.0157	0.4498	0.0295	0.4793	0.1232	0.0282	0.1513		1,716.2309	1,716.2309	0.0685	0.2722	1,799.0424
Vendor	0.0101	0.4459	0.0966	2.1700e-003	0.0739	3.0500e-003	0.0770	0.0213	2.9200e-003	0.0242		232.5038	232.5038	5.6100e-003	0.0340	242.7731
Worker	0.1386	0.0727	1.3775	3.9800e-003	6.5282	2.0900e-003	6.5303	0.7246	1.9300e-003	0.7265		402.0893	402.0893	7.4400e-003	8.0300e-003	404.6697
<b>Total</b>	<b>0.2107</b>	<b>4.1769</b>	<b>2.2097</b>	<b>0.0219</b>	<b>7.0519</b>	<b>0.0346</b>	<b>7.0865</b>	<b>0.8690</b>	<b>0.0330</b>	<b>0.9020</b>		<b>2,350.8239</b>	<b>2,350.8239</b>	<b>0.0815</b>	<b>0.3142</b>	<b>2,446.4852</b>



CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 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	2.0105	17.8649	29.8788	0.0471		0.7284	0.7284		0.6701	0.6701		4,559.3185	4,559.3185	1.4746		4,596.1829
<b>Total</b>	<b>2.0105</b>	<b>17.8649</b>	<b>29.8788</b>	<b>0.0471</b>		<b>0.7284</b>	<b>0.7284</b>		<b>0.6701</b>	<b>0.6701</b>		<b>4,559.3185</b>	<b>4,559.3185</b>	<b>1.4746</b>		<b>4,596.1829</b>

**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	0.0622	3.6709	0.7382	0.0158	0.4514	0.0296	0.4809	0.1236	0.0283	0.1519		1,722.1783	1,722.1783	0.0687	0.2731	1,805.2767
Vendor	0.0101	0.4459	0.0966	2.1700e-003	0.0739	3.0500e-003	0.0770	0.0213	2.9200e-003	0.0242		232.5038	232.5038	5.6100e-003	0.0340	242.7731
Worker	0.4619	0.2425	4.5918	0.0133	75.0713	6.9800e-003	75.0783	7.7378	6.4200e-003	7.7442		1,340.2975	1,340.2975	0.0248	0.0268	1,348.8991
<b>Total</b>	<b>0.5342</b>	<b>4.3593</b>	<b>5.4266</b>	<b>0.0312</b>	<b>75.5966</b>	<b>0.0396</b>	<b>75.6362</b>	<b>7.8826</b>	<b>0.0376</b>	<b>7.9203</b>		<b>3,294.9795</b>	<b>3,294.9795</b>	<b>0.0991</b>	<b>0.3339</b>	<b>3,396.9489</b>

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2024**

**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	2.0105	17.8649	29.8788	0.0471		0.7284	0.7284		0.6701	0.6701	0.0000	4,559.3185	4,559.3185	1.4746		4,596.1829
<b>Total</b>	<b>2.0105</b>	<b>17.8649</b>	<b>29.8788</b>	<b>0.0471</b>		<b>0.7284</b>	<b>0.7284</b>		<b>0.6701</b>	<b>0.6701</b>	<b>0.0000</b>	<b>4,559.3185</b>	<b>4,559.3185</b>	<b>1.4746</b>		<b>4,596.1829</b>

**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	0.0622	3.6709	0.7382	0.0158	0.4514	0.0296	0.4809	0.1236	0.0283	0.1519		1,722.1783	1,722.1783	0.0687	0.2731	1,805.2767
Vendor	0.0101	0.4459	0.0966	2.1700e-003	0.0739	3.0500e-003	0.0770	0.0213	2.9200e-003	0.0242		232.5038	232.5038	5.6100e-003	0.0340	242.7731
Worker	0.4619	0.2425	4.5918	0.0133	21.7606	6.9800e-003	21.7676	2.4153	6.4200e-003	2.4218		1,340.2975	1,340.2975	0.0248	0.0268	1,348.8991
<b>Total</b>	<b>0.5342</b>	<b>4.3593</b>	<b>5.4266</b>	<b>0.0312</b>	<b>22.2859</b>	<b>0.0396</b>	<b>22.3255</b>	<b>2.5602</b>	<b>0.0376</b>	<b>2.5978</b>		<b>3,294.9795</b>	<b>3,294.9795</b>	<b>0.0991</b>	<b>0.3339</b>	<b>3,396.9489</b>

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 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	1.9067	16.3529	29.8349	0.0471		0.6587	0.6587		0.6060	0.6060		4,558.2434	4,558.2434	1.4742		4,595.0991
<b>Total</b>	<b>1.9067</b>	<b>16.3529</b>	<b>29.8349</b>	<b>0.0471</b>		<b>0.6587</b>	<b>0.6587</b>		<b>0.6060</b>	<b>0.6060</b>		<b>4,558.2434</b>	<b>4,558.2434</b>	<b>1.4742</b>		<b>4,595.0991</b>

**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	0.0607	3.5700	0.7412	0.0154	0.4513	0.0290	0.4803	0.1235	0.0277	0.1513		1,686.0933	1,686.0933	0.0676	0.2674	1,767.4688
Vendor	9.6700e-003	0.4358	0.0934	2.1200e-003	0.0739	2.9900e-003	0.0769	0.0213	2.8600e-003	0.0241		227.8138	227.8138	5.4900e-003	0.0334	237.8959
Worker	0.4342	0.2161	4.2647	0.0128	75.0713	6.6500e-003	75.0779	7.7378	6.1300e-003	7.7439		1,294.6939	1,294.6939	0.0223	0.0249	1,302.6843
<b>Total</b>	<b>0.5045</b>	<b>4.2220</b>	<b>5.0993</b>	<b>0.0304</b>	<b>75.5965</b>	<b>0.0386</b>	<b>75.6351</b>	<b>7.8826</b>	<b>0.0367</b>	<b>7.9193</b>		<b>3,208.6010</b>	<b>3,208.6010</b>	<b>0.0954</b>	<b>0.3257</b>	<b>3,308.0490</b>

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2025**

**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	1.9067	16.3529	29.8349	0.0471		0.6587	0.6587		0.6060	0.6060	0.0000	4,558.243 4	4,558.243 4	1.4742		4,595.099 1
<b>Total</b>	<b>1.9067</b>	<b>16.3529</b>	<b>29.8349</b>	<b>0.0471</b>		<b>0.6587</b>	<b>0.6587</b>		<b>0.6060</b>	<b>0.6060</b>	<b>0.0000</b>	<b>4,558.243 4</b>	<b>4,558.243 4</b>	<b>1.4742</b>		<b>4,595.099 1</b>

**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	0.0607	3.5700	0.7412	0.0154	0.4513	0.0290	0.4803	0.1235	0.0277	0.1513		1,686.093 3	1,686.093 3	0.0676	0.2674	1,767.468 8
Vendor	9.6700e-003	0.4358	0.0934	2.1200e-003	0.0739	2.9900e-003	0.0769	0.0213	2.8600e-003	0.0241		227.8138	227.8138	5.4900e-003	0.0334	237.8959
Worker	0.4342	0.2161	4.2647	0.0128	21.7606	6.6500e-003	21.7673	2.4153	6.1300e-003	2.4215		1,294.693 9	1,294.693 9	0.0223	0.0249	1,302.684 3
<b>Total</b>	<b>0.5045</b>	<b>4.2220</b>	<b>5.0993</b>	<b>0.0304</b>	<b>22.2858</b>	<b>0.0386</b>	<b>22.3244</b>	<b>2.5601</b>	<b>0.0367</b>	<b>2.5969</b>		<b>3,208.601 0</b>	<b>3,208.601 0</b>	<b>0.0954</b>	<b>0.3257</b>	<b>3,308.049 0</b>

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 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	1.3114	11.3747	17.1075	0.0325		0.5151	0.5151		0.4739	0.4739		3,142.1426	3,142.1426	1.0162		3,167.5485
<b>Total</b>	<b>1.3114</b>	<b>11.3747</b>	<b>17.1075</b>	<b>0.0325</b>		<b>0.5151</b>	<b>0.5151</b>		<b>0.4739</b>	<b>0.4739</b>		<b>3,142.1426</b>	<b>3,142.1426</b>	<b>1.0162</b>		<b>3,167.5485</b>

**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	0.0620	3.6585	0.7357	0.0157	0.4499	0.0295	0.4793	0.1232	0.0282	0.1514		1,716.3696	1,716.3696	0.0685	0.2722	1,799.1877
Vendor	5.0700e-003	0.2230	0.0483	1.0800e-003	0.0370	1.5200e-003	0.0385	0.0106	1.4600e-003	0.0121		116.2519	116.2519	2.8000e-003	0.0170	121.3866
Worker	0.4619	0.2425	4.5918	0.0133	75.0713	6.9800e-003	75.0783	7.7378	6.4200e-003	7.7442		1,340.2975	1,340.2975	0.0248	0.0268	1,348.8991
<b>Total</b>	<b>0.5289</b>	<b>4.1240</b>	<b>5.3758</b>	<b>0.0301</b>	<b>75.5581</b>	<b>0.0380</b>	<b>75.5961</b>	<b>7.8716</b>	<b>0.0361</b>	<b>7.9077</b>		<b>3,172.9189</b>	<b>3,172.9189</b>	<b>0.0961</b>	<b>0.3160</b>	<b>3,269.4734</b>

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2024**

**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	1.3114	11.3747	17.1075	0.0325		0.5151	0.5151		0.4739	0.4739	0.0000	3,142.1426	3,142.1426	1.0162		3,167.5485
<b>Total</b>	<b>1.3114</b>	<b>11.3747</b>	<b>17.1075</b>	<b>0.0325</b>		<b>0.5151</b>	<b>0.5151</b>		<b>0.4739</b>	<b>0.4739</b>	<b>0.0000</b>	<b>3,142.1426</b>	<b>3,142.1426</b>	<b>1.0162</b>		<b>3,167.5485</b>

**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	0.0620	3.6585	0.7357	0.0157	0.4499	0.0295	0.4793	0.1232	0.0282	0.1514		1,716.3696	1,716.3696	0.0685	0.2722	1,799.1877
Vendor	5.0700e-003	0.2230	0.0483	1.0800e-003	0.0370	1.5200e-003	0.0385	0.0106	1.4600e-003	0.0121		116.2519	116.2519	2.8000e-003	0.0170	121.3866
Worker	0.4619	0.2425	4.5918	0.0133	21.7606	6.9800e-003	21.7676	2.4153	6.4200e-003	2.4218		1,340.2975	1,340.2975	0.0248	0.0268	1,348.8991
<b>Total</b>	<b>0.5289</b>	<b>4.1240</b>	<b>5.3758</b>	<b>0.0301</b>	<b>22.2474</b>	<b>0.0380</b>	<b>22.2854</b>	<b>2.5491</b>	<b>0.0361</b>	<b>2.5852</b>		<b>3,172.9189</b>	<b>3,172.9189</b>	<b>0.0961</b>	<b>0.3160</b>	<b>3,269.4734</b>

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 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	1.2236	10.0710	17.0244	0.0325		0.4477	0.4477		0.4119	0.4119		3,142.0618	3,142.0618	1.0162		3,167.4669
<b>Total</b>	<b>1.2236</b>	<b>10.0710</b>	<b>17.0244</b>	<b>0.0325</b>		<b>0.4477</b>	<b>0.4477</b>		<b>0.4119</b>	<b>0.4119</b>		<b>3,142.0618</b>	<b>3,142.0618</b>	<b>1.0162</b>		<b>3,167.4669</b>

**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	0.0605	3.5580	0.7387	0.0154	0.4498	0.0289	0.4786	0.1231	0.0276	0.1508		1,680.4063	1,680.4063	0.0674	0.2665	1,761.5073
Vendor	4.8300e-003	0.2179	0.0467	1.0600e-003	0.0370	1.5000e-003	0.0385	0.0106	1.4300e-003	0.0121		113.9069	113.9069	2.7400e-003	0.0167	118.9480
Worker	0.4342	0.2161	4.2647	0.0128	75.0713	6.6500e-003	75.0779	7.7378	6.1300e-003	7.7439		1,294.6939	1,294.6939	0.0223	0.0249	1,302.6843
<b>Total</b>	<b>0.4995</b>	<b>3.9920</b>	<b>5.0501</b>	<b>0.0293</b>	<b>75.5580</b>	<b>0.0370</b>	<b>75.5950</b>	<b>7.8716</b>	<b>0.0352</b>	<b>7.9068</b>		<b>3,089.0071</b>	<b>3,089.0071</b>	<b>0.0924</b>	<b>0.3081</b>	<b>3,183.1396</b>

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2025**

**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	1.2236	10.0710	17.0244	0.0325		0.4477	0.4477		0.4119	0.4119	0.0000	3,142.0618	3,142.0618	1.0162		3,167.4669
<b>Total</b>	<b>1.2236</b>	<b>10.0710</b>	<b>17.0244</b>	<b>0.0325</b>		<b>0.4477</b>	<b>0.4477</b>		<b>0.4119</b>	<b>0.4119</b>	<b>0.0000</b>	<b>3,142.0618</b>	<b>3,142.0618</b>	<b>1.0162</b>		<b>3,167.4669</b>

**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	0.0605	3.5580	0.7387	0.0154	0.4498	0.0289	0.4786	0.1231	0.0276	0.1508		1,680.4063	1,680.4063	0.0674	0.2665	1,761.5073
Vendor	4.8300e-003	0.2179	0.0467	1.0600e-003	0.0370	1.5000e-003	0.0385	0.0106	1.4300e-003	0.0121		113.9069	113.9069	2.7400e-003	0.0167	118.9480
Worker	0.4342	0.2161	4.2647	0.0128	21.7606	6.6500e-003	21.7673	2.4153	6.1300e-003	2.4215		1,294.6939	1,294.6939	0.0223	0.0249	1,302.6843
<b>Total</b>	<b>0.4995</b>	<b>3.9920</b>	<b>5.0501</b>	<b>0.0293</b>	<b>22.2473</b>	<b>0.0370</b>	<b>22.2844</b>	<b>2.5491</b>	<b>0.0352</b>	<b>2.5843</b>		<b>3,089.0071</b>	<b>3,089.0071</b>	<b>0.0924</b>	<b>0.3081</b>	<b>3,183.1396</b>



CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 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	4.9957	48.2065	72.4331	0.1153		2.0692	2.0692		1.9302	1.9302		11,120.29 57	11,120.29 57	3.0677		11,196.98 74
<b>Total</b>	<b>4.9957</b>	<b>48.2065</b>	<b>72.4331</b>	<b>0.1153</b>		<b>2.0692</b>	<b>2.0692</b>		<b>1.9302</b>	<b>1.9302</b>		<b>11,120.29 57</b>	<b>11,120.29 57</b>	<b>3.0677</b>		<b>11,196.98 74</b>

**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	0.0623	3.6798	0.7400	0.0158	0.4525	0.0296	0.4821	0.1239	0.0284	0.1522		1,726.350 3	1,726.350 3	0.0689	0.2738	1,809.650 1
Vendor	0.1014	4.4593	0.9659	0.0217	0.7393	0.0305	0.7697	0.2125	0.0292	0.2417		2,325.037 9	2,325.037 9	0.0561	0.3399	2,427.731 1
Worker	2.1986	1.1542	21.8570	0.0631	357.3393	0.0332	357.3725	36.8319	0.0306	36.8625		6,379.816 1	6,379.816 1	0.1181	0.1275	6,420.759 5
<b>Total</b>	<b>2.3623</b>	<b>9.2933</b>	<b>23.5628</b>	<b>0.1006</b>	<b>358.5310</b>	<b>0.0933</b>	<b>358.6243</b>	<b>37.1684</b>	<b>0.0881</b>	<b>37.2565</b>		<b>10,431.20 42</b>	<b>10,431.20 42</b>	<b>0.2430</b>	<b>0.7412</b>	<b>10,658.14 07</b>

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2024**

**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	4.9957	48.2065	72.4331	0.1153		2.0692	2.0692		1.9302	1.9302	0.0000	11,120.2956	11,120.2956	3.0677		11,196.9874
<b>Total</b>	<b>4.9957</b>	<b>48.2065</b>	<b>72.4331</b>	<b>0.1153</b>		<b>2.0692</b>	<b>2.0692</b>		<b>1.9302</b>	<b>1.9302</b>	<b>0.0000</b>	<b>11,120.2956</b>	<b>11,120.2956</b>	<b>3.0677</b>		<b>11,196.9874</b>

**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	0.0623	3.6798	0.7400	0.0158	0.4525	0.0296	0.4821	0.1239	0.0284	0.1522		1,726.3503	1,726.3503	0.0689	0.2738	1,809.6501
Vendor	0.1014	4.4593	0.9659	0.0217	0.7393	0.0305	0.7697	0.2125	0.0292	0.2417		2,325.0379	2,325.0379	0.0561	0.3399	2,427.7311
Worker	2.1986	1.1542	21.8570	0.0631	103.5805	0.0332	103.6137	11.4970	0.0306	11.5276		6,379.8161	6,379.8161	0.1181	0.1275	6,420.7595
<b>Total</b>	<b>2.3623</b>	<b>9.2933</b>	<b>23.5628</b>	<b>0.1006</b>	<b>104.7722</b>	<b>0.0933</b>	<b>104.8655</b>	<b>11.8335</b>	<b>0.0881</b>	<b>11.9215</b>		<b>10,431.2042</b>	<b>10,431.2042</b>	<b>0.2430</b>	<b>0.7412</b>	<b>10,658.1407</b>

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 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	4.6508	43.7176	72.2778	0.1153		1.8212	1.8212		1.6984	1.6984		11,120.7208	11,120.7208	3.0612		11,197.2515
<b>Total</b>	<b>4.6508</b>	<b>43.7176</b>	<b>72.2778</b>	<b>0.1153</b>		<b>1.8212</b>	<b>1.8212</b>		<b>1.6984</b>	<b>1.6984</b>		<b>11,120.7208</b>	<b>11,120.7208</b>	<b>3.0612</b>		<b>11,197.2515</b>

**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	0.0608	3.5787	0.7430	0.0155	0.4524	0.0291	0.4814	0.1238	0.0278	0.1516		1,690.1779	1,690.1779	0.0678	0.2681	1,771.7505
Vendor	0.0967	4.3584	0.9335	0.0212	0.7392	0.0299	0.7691	0.2125	0.0286	0.2411		2,278.1385	2,278.1385	0.0549	0.3337	2,378.9592
Worker	2.0667	1.0285	20.2999	0.0610	357.3393	0.0317	357.3710	36.8319	0.0292	36.8611		6,162.7431	6,162.7431	0.1060	0.1187	6,200.7773
<b>Total</b>	<b>2.2242</b>	<b>8.9656</b>	<b>21.9764</b>	<b>0.0977</b>	<b>358.5308</b>	<b>0.0906</b>	<b>358.6215</b>	<b>37.1683</b>	<b>0.0856</b>	<b>37.2539</b>		<b>10,131.0594</b>	<b>10,131.0594</b>	<b>0.2287</b>	<b>0.7205</b>	<b>10,351.4871</b>

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2025**

**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	4.6508	43.7176	72.2778	0.1153		1.8212	1.8212		1.6984	1.6984	0.0000	11,120.7208	11,120.7208	3.0612		11,197.2515
<b>Total</b>	<b>4.6508</b>	<b>43.7176</b>	<b>72.2778</b>	<b>0.1153</b>		<b>1.8212</b>	<b>1.8212</b>		<b>1.6984</b>	<b>1.6984</b>	<b>0.0000</b>	<b>11,120.7208</b>	<b>11,120.7208</b>	<b>3.0612</b>		<b>11,197.2515</b>

**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	0.0608	3.5787	0.7430	0.0155	0.4524	0.0291	0.4814	0.1238	0.0278	0.1516		1,690.1779	1,690.1779	0.0678	0.2681	1,771.7505
Vendor	0.0967	4.3584	0.9335	0.0212	0.7392	0.0299	0.7691	0.2125	0.0286	0.2411		2,278.1385	2,278.1385	0.0549	0.3337	2,378.9592
Worker	2.0667	1.0285	20.2999	0.0610	103.5805	0.0317	103.6121	11.4970	0.0292	11.5262		6,162.7431	6,162.7431	0.1060	0.1187	6,200.7773
<b>Total</b>	<b>2.2242</b>	<b>8.9656</b>	<b>21.9764</b>	<b>0.0977</b>	<b>104.7720</b>	<b>0.0906</b>	<b>104.8626</b>	<b>11.8334</b>	<b>0.0856</b>	<b>11.9190</b>		<b>10,131.0594</b>	<b>10,131.0594</b>	<b>0.2287</b>	<b>0.7205</b>	<b>10,351.4871</b>

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.8 Gen-Tie 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	0.5416	3.6337	3.3756	0.0130		0.1454	0.1454		0.1337	0.1337		1,257.607 1	1,257.607 1	0.4067		1,267.775 5
<b>Total</b>	<b>0.5416</b>	<b>3.6337</b>	<b>3.3756</b>	<b>0.0130</b>		<b>0.1454</b>	<b>0.1454</b>		<b>0.1337</b>	<b>0.1337</b>		<b>1,257.607 1</b>	<b>1,257.607 1</b>	<b>0.4067</b>		<b>1,267.775 5</b>

**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	0.0621	3.6686	0.7377	0.0158	0.4511	0.0295	0.4806	0.1235	0.0283	0.1518		1,721.084 9	1,721.084 9	0.0687	0.2729	1,804.130 6
Vendor	0.0101	0.4459	0.0966	2.1700e-003	0.0739	3.0500e-003	0.0770	0.0213	2.9200e-003	0.0242		232.5038	232.5038	5.6100e-003	0.0340	242.7731
Worker	0.0739	0.0388	0.7347	2.1200e-003	12.0114	1.1200e-003	12.0125	1.2381	1.0300e-003	1.2391		214.4476	214.4476	3.9700e-003	4.2900e-003	215.8239
<b>Total</b>	<b>0.1462</b>	<b>4.1533</b>	<b>1.5690</b>	<b>0.0201</b>	<b>12.5364</b>	<b>0.0337</b>	<b>12.5701</b>	<b>1.3828</b>	<b>0.0322</b>	<b>1.4150</b>		<b>2,168.036 2</b>	<b>2,168.036 2</b>	<b>0.0783</b>	<b>0.3112</b>	<b>2,262.727 5</b>

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.8 Gen-Tie Construction - 2024**

**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	0.5416	3.6337	3.3756	0.0130		0.1454	0.1454		0.1337	0.1337	0.0000	1,257.607 1	1,257.607 1	0.4067		1,267.775 5
<b>Total</b>	<b>0.5416</b>	<b>3.6337</b>	<b>3.3756</b>	<b>0.0130</b>		<b>0.1454</b>	<b>0.1454</b>		<b>0.1337</b>	<b>0.1337</b>	<b>0.0000</b>	<b>1,257.607 1</b>	<b>1,257.607 1</b>	<b>0.4067</b>		<b>1,267.775 5</b>

**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	0.0621	3.6686	0.7377	0.0158	0.4511	0.0295	0.4806	0.1235	0.0283	0.1518		1,721.084 9	1,721.084 9	0.0687	0.2729	1,804.130 6
Vendor	0.0101	0.4459	0.0966	2.1700e-003	0.0739	3.0500e-003	0.0770	0.0213	2.9200e-003	0.0242		232.5038	232.5038	5.6100e-003	0.0340	242.7731
Worker	0.0739	0.0388	0.7347	2.1200e-003	3.4817	1.1200e-003	3.4828	0.3865	1.0300e-003	0.3875		214.4476	214.4476	3.9700e-003	4.2900e-003	215.8239
<b>Total</b>	<b>0.1462</b>	<b>4.1533</b>	<b>1.5690</b>	<b>0.0201</b>	<b>4.0067</b>	<b>0.0337</b>	<b>4.0404</b>	<b>0.5312</b>	<b>0.0322</b>	<b>0.5634</b>		<b>2,168.036 2</b>	<b>2,168.036 2</b>	<b>0.0783</b>	<b>0.3112</b>	<b>2,262.727 5</b>

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.9 Testing, Commissioning, Site Clean Up - 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	1.2295	9.6187	16.3546	0.0282		0.3958	0.3958		0.3641	0.3641		2,730.7075	2,730.7075	0.8832		2,752.7867
<b>Total</b>	<b>1.2295</b>	<b>9.6187</b>	<b>16.3546</b>	<b>0.0282</b>		<b>0.3958</b>	<b>0.3958</b>		<b>0.3641</b>	<b>0.3641</b>		<b>2,730.7075</b>	<b>2,730.7075</b>	<b>0.8832</b>		<b>2,752.7867</b>

**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	0.0608	3.5784	0.7430	0.0155	0.4523	0.0291	0.4814	0.1238	0.0278	0.1516		1,690.0301	1,690.0301	0.0678	0.2680	1,771.5956
Vendor	9.6700e-003	0.4358	0.0934	2.1200e-003	0.0739	2.9900e-003	0.0769	0.0213	2.8600e-003	0.0241		227.8138	227.8138	5.4900e-003	0.0334	237.8959
Worker	0.1129	0.0562	1.1088	3.3300e-003	19.5185	1.7300e-003	19.5203	2.0118	1.5900e-003	2.0134		336.6204	336.6204	5.7900e-003	6.4900e-003	338.6979
<b>Total</b>	<b>0.1834</b>	<b>4.0704</b>	<b>1.9451</b>	<b>0.0209</b>	<b>20.0448</b>	<b>0.0338</b>	<b>20.0786</b>	<b>2.1569</b>	<b>0.0322</b>	<b>2.1892</b>		<b>2,254.4644</b>	<b>2,254.4644</b>	<b>0.0791</b>	<b>0.3079</b>	<b>2,348.1895</b>

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.9 Testing, Commissioning, Site Clean Up - 2025**

**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	1.2295	9.6187	16.3546	0.0282		0.3958	0.3958		0.3641	0.3641	0.0000	2,730.7075	2,730.7075	0.8832		2,752.7867
<b>Total</b>	<b>1.2295</b>	<b>9.6187</b>	<b>16.3546</b>	<b>0.0282</b>		<b>0.3958</b>	<b>0.3958</b>		<b>0.3641</b>	<b>0.3641</b>	<b>0.0000</b>	<b>2,730.7075</b>	<b>2,730.7075</b>	<b>0.8832</b>		<b>2,752.7867</b>

**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	0.0608	3.5784	0.7430	0.0155	0.4523	0.0291	0.4814	0.1238	0.0278	0.1516		1,690.0301	1,690.0301	0.0678	0.2680	1,771.5956
Vendor	9.6700e-003	0.4358	0.0934	2.1200e-003	0.0739	2.9900e-003	0.0769	0.0213	2.8600e-003	0.0241		227.8138	227.8138	5.4900e-003	0.0334	237.8959
Worker	0.1129	0.0562	1.1088	3.3300e-003	5.6578	1.7300e-003	5.6595	0.6280	1.5900e-003	0.6296		336.6204	336.6204	5.7900e-003	6.4900e-003	338.6979
<b>Total</b>	<b>0.1834</b>	<b>4.0704</b>	<b>1.9451</b>	<b>0.0209</b>	<b>6.1840</b>	<b>0.0338</b>	<b>6.2178</b>	<b>0.7731</b>	<b>0.0322</b>	<b>0.8053</b>		<b>2,254.4644</b>	<b>2,254.4644</b>	<b>0.0791</b>	<b>0.3079</b>	<b>2,348.1895</b>

**4.0 Operational Detail - Mobile**



CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.1834	0.1970	1.6708	3.6500e-003	0.3770	2.6200e-003	0.3797	0.1005	2.4500e-003	0.1030		371.7569	371.7569	0.0212	0.0158	376.9805
Unmitigated	0.1834	0.1970	1.6708	3.6500e-003	0.3770	2.6200e-003	0.3797	0.1005	2.4500e-003	0.1030		371.7569	371.7569	0.0212	0.0158	376.9805

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	20.00	20.00	20.00	62,353	62,353
User Defined Industrial	32.00	0.00	0.00	83,200	83,200
<b>Total</b>	<b>52.00</b>	<b>20.00</b>	<b>20.00</b>	<b>145,553</b>	<b>145,553</b>

**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
Unrefrigerated Warehouse-No Rail	10.00	5.00	6.50	59.00	0.00	41.00	100	0	0
User Defined Industrial	10.00	5.00	6.50	100.00	0.00	0.00	100	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.546433	0.056674	0.183423	0.128799	0.024661	0.005883	0.013276	0.009437	0.000898	0.000581	0.025768	0.000959	0.003207

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

User Defined Industrial	0.546433	0.056674	0.183423	0.128799	0.024661	0.005883	0.013276	0.009437	0.000898	0.000581	0.025768	0.000959	0.003207
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**5.0 Energy Detail**

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

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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					
Unrefrigerated Warehouse-No Rail	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
User Defined Industrial	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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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					
Unrefrigerated Warehouse-No Rail	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
User Defined Industrial	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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	1.0000e-004	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
Unmitigated	1.0000e-004	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003

**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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-004	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
<b>Total</b>	<b>1.0000e-004</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.4100e-003</b>	<b>2.4100e-003</b>	<b>1.0000e-005</b>		<b>2.5600e-003</b>

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**6.2 Area by SubCategory**

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-004	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
<b>Total</b>	<b>1.0000e-004</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.4100e-003</b>	<b>2.4100e-003</b>	<b>1.0000e-005</b>		<b>2.5600e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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Fire Pumps and Emergency Generators

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	0.5	50	2000	0.73	Diesel

**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**10.1 Stationary Sources**

**Unmitigated/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
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (750 - 9999 HP)	3.2821	14.6775	8.3688	0.0158		0.4828	0.4828		0.4828	0.4828		1,679.028 2	1,679.028 2	0.2354		1,684.913 2
<b>Total</b>	<b>3.2821</b>	<b>14.6775</b>	<b>8.3688</b>	<b>0.0158</b>		<b>0.4828</b>	<b>0.4828</b>		<b>0.4828</b>	<b>0.4828</b>		<b>1,679.028 2</b>	<b>1,679.028 2</b>	<b>0.2354</b>		<b>1,684.913 2</b>

**11.0 Vegetation**

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CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**CCAR Solar - BACT SMAQMD  
Sacramento Metropolitan AQMD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	10.00	1000sqft	2,555.00	10,000.00	0
User Defined Industrial	1.00	User Defined Unit	0.00	1.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	3.5	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	6			<b>Operational Year</b>	2025
<b>Utility Company</b>	Sacramento Municipal Utility District				
<b>CO2 Intensity (lb/MWhr)</b>	357.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - Operational year 2025.

Land Use - 2,555 acers based on total development area.

Construction Phase - Construction phasing information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant. Off-Highway Trucks include 3 water trucks and 3 dump trucks.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Trips and VMT - Construction trip information is based on data provided by the project applicant.

On-road Fugitive Dust - Assumed 0.5 miles of travel on unpaved roads for worker vehicles.

Grading - 250,000 cubic yards of export

Vehicle Trips - Trip rates were modified to be consistent with the anticipated operation and maintenance activity of 10 trips per day.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - No architectural coatings.

Energy Use - Modified energy demand factors to account for an energy demand of 1,236 MW annually. The energy demand was provided by the project applicant.

Water And Wastewater - Outdoor water use is consistent with the Project Description of 2.2 acre-feet for operation. The 253 acre feet of water during construction is estimated in the user defined land use.

Solid Waste - CalEEMod defaults.

Construction Off-road Equipment Mitigation - Included watering 3x daily, unpaved road stabilization and vehicle speed reduction as Enhanced Fugitive PM dust control practices as recommended by the SMAQMD

Fleet Mix - CalEEMod defaults.

Stationary Sources - Emergency Generators and Fire Pumps - Two, 2,000 horse power Diesel emergency generators

Consumer Products - No consumer products.

Landscape Equipment - No landscaping.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	0
tblAreaCoating	Area_EF_Nonresidential_Interior	100	0
tblAreaCoating	ReapplicationRatePercent	10	0
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	100	0
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	0
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	155,000.00	230.00
tblConstructionPhase	NumDays	155,000.00	200.00



CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblConstructionPhase	NumDays	6,000.00	220.00
tblConstructionPhase	NumDays	6,000.00	65.00
tblConstructionPhase	NumDays	6,000.00	68.00
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	LightingElect	1.60	0.00
tblEnergyUse	NT24E	1.36	123.60
tblEnergyUse	T24E	0.23	0.00
tblEnergyUse	T24NG	0.49	0.00
tblGrading	MaterialExported	0.00	250,000.00
tblLandscapeEquipment	NumberSummerDays	250	0
tblLandUse	LandUseSquareFeet	0.00	1.00
tblLandUse	LotAcreage	0.23	2,555.00
tblOffRoadEquipment	HorsePower	85.00	950.00
tblOffRoadEquipment	HorsePower	158.00	172.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	300.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	200.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	168.00	350.00
tblOffRoadEquipment	HorsePower	168.00	160.00
tblOffRoadEquipment	HorsePower	168.00	790.00
tblOffRoadEquipment	HorsePower	168.00	755.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00



CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripNumber	31,250.00	5,302.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,292.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,350.00
tblTripsAndVMT	HaulingTripNumber	0.00	4,582.00
tblTripsAndVMT	HaulingTripNumber	0.00	2,184.00
tblTripsAndVMT	HaulingTripNumber	0.00	3,994.00
tblTripsAndVMT	HaulingTripNumber	0.00	438.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,258.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripNumber	0.00	16.00
tblTripsAndVMT	VendorTripNumber	0.00	16.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tbITripsAndVMT	VendorTripNumber	2.00	4.00
tbITripsAndVMT	VendorTripNumber	0.00	2.00
tbITripsAndVMT	VendorTripNumber	2.00	40.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripNumber	33.00	50.00
tbITripsAndVMT	WorkerTripNumber	8.00	74.00
tbITripsAndVMT	WorkerTripNumber	4.00	100.00
tbITripsAndVMT	WorkerTripNumber	15.00	100.00
tbITripsAndVMT	WorkerTripNumber	4.00	476.00
tbITripsAndVMT	WorkerTripNumber	5.00	16.00
tbITripsAndVMT	WorkerTripNumber	15.00	26.00
tbIVehicleTrips	CC_TL	7.50	5.00
tbIVehicleTrips	CC_TL	7.50	5.00
tbIVehicleTrips	CNW_TL	8.50	6.50
tbIVehicleTrips	CNW_TL	8.50	6.50
tbIVehicleTrips	CW_TL	15.00	10.00
tbIVehicleTrips	CW_TL	15.00	10.00
tbIVehicleTrips	CW_TTP	0.00	100.00
tbIVehicleTrips	DV_TP	5.00	0.00
tbIVehicleTrips	PB_TP	3.00	0.00

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	1.74	2.00
tblVehicleTrips	SU_TR	1.74	2.00
tblVehicleTrips	WD_TR	1.74	2.00
tblVehicleTrips	WD_TR	0.00	32.00
tblWater	IndoorWaterUseRate	2,312,500.00	0.00
tblWater	OutdoorWaterUseRate	0.00	716,873.00
tblWater	OutdoorWaterUseRate	0.00	82,440,413.00

**2.0 Emissions Summary**

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CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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					
2024	18.2380	159.5488	193.9689	0.5379	569.5078	5.5562	575.0640	62.0409	5.1458	67.1867	0.0000	53,795.75 47	53,795.75 47	10.5117	2.2129	54,718.00 23
2025	16.4525	136.9803	185.6983	0.5000	556.9709	4.7219	561.6927	60.6579	4.3732	65.0311	0.0000	49,871.04 98	49,871.04 98	9.9933	1.8519	50,672.74 45
<b>Maximum</b>	<b>18.2380</b>	<b>159.5488</b>	<b>193.9689</b>	<b>0.5379</b>	<b>569.5078</b>	<b>5.5562</b>	<b>575.0640</b>	<b>62.0409</b>	<b>5.1458</b>	<b>67.1867</b>	<b>0.0000</b>	<b>53,795.75 47</b>	<b>53,795.75 47</b>	<b>10.5117</b>	<b>2.2129</b>	<b>54,718.00 23</b>

**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					
2024	18.2380	159.5488	193.9689	0.5379	168.5085	5.5562	174.0647	20.3327	5.1458	25.4785	0.0000	53,795.75 46	53,795.75 46	10.5117	2.2129	54,718.00 23
2025	16.4525	136.9803	185.6983	0.5000	164.5013	4.7219	169.2231	19.8012	4.3732	24.1745	0.0000	49,871.04 98	49,871.04 98	9.9933	1.8519	50,672.74 45
<b>Maximum</b>	<b>18.2380</b>	<b>159.5488</b>	<b>193.9689</b>	<b>0.5379</b>	<b>168.5085</b>	<b>5.5562</b>	<b>174.0647</b>	<b>20.3327</b>	<b>5.1458</b>	<b>25.4785</b>	<b>0.0000</b>	<b>53,795.75 46</b>	<b>53,795.75 46</b>	<b>10.5117</b>	<b>2.2129</b>	<b>54,718.00 23</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	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	70.44	0.00	69.80	67.29	0.00	62.45	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	1.0000e-004	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
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	0.1486	0.2281	1.6162	3.3300e-003	0.3770	2.6300e-003	0.3797	0.1005	2.4500e-003	0.1030		339.8466	339.8466	0.0233	0.0172	345.5426
Stationary	3.2821	14.6775	8.3688	0.0158		0.4828	0.4828		0.4828	0.4828		1,679.0282	1,679.0282	0.2354		1,684.9132
<b>Total</b>	<b>3.4309</b>	<b>14.9056</b>	<b>9.9860</b>	<b>0.0191</b>	<b>0.3770</b>	<b>0.4854</b>	<b>0.8625</b>	<b>0.1005</b>	<b>0.4853</b>	<b>0.5858</b>		<b>2,018.8773</b>	<b>2,018.8773</b>	<b>0.2588</b>	<b>0.0172</b>	<b>2,030.4584</b>

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**2.2 Overall Operational**

**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	1.0000e-004	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
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	0.1486	0.2281	1.6162	3.3300e-003	0.3770	2.6300e-003	0.3797	0.1005	2.4500e-003	0.1030		339.8466	339.8466	0.0233	0.0172	345.5426
Stationary	3.2821	14.6775	8.3688	0.0158		0.4828	0.4828		0.4828	0.4828		1,679.0282	1,679.0282	0.2354		1,684.9132
<b>Total</b>	<b>3.4309</b>	<b>14.9056</b>	<b>9.9860</b>	<b>0.0191</b>	<b>0.3770</b>	<b>0.4854</b>	<b>0.8625</b>	<b>0.1005</b>	<b>0.4853</b>	<b>0.5858</b>		<b>2,018.8773</b>	<b>2,018.8773</b>	<b>0.2588</b>	<b>0.0172</b>	<b>2,030.4584</b>

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

**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	3/1/2024	1/2/2025	5	220	
2	Perimeter Fence Installation	Site Preparation	3/1/2024	5/30/2024	5	65	
3	Tree Removal	Site Preparation	3/1/2024	6/4/2024	5	68	
4	Energy Storage System	Building Construction	8/1/2024	6/18/2025	5	230	



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

5	Underground Work (Utilities)	Trenching	9/1/2024	1/31/2025	5	110
6	System Installation	Building Construction	9/25/2024	7/1/2025	5	200
7	Gen-Tie Construction	Trenching	10/1/2024	10/30/2024	5	22
8	Testing, Comissioning, Site Clean Up	Trenching	6/1/2025	8/27/2025	5	63

**Acres of Grading (Site Preparation Phase): 550**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	2	8.00	187	0.41
Site Preparation	Off-Highway Trucks	6	8.00	402	0.38
Site Preparation	Rollers	2	8.00	80	0.38
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Perimeter Fence Installation	Off-Highway Trucks	1	8.00	150	0.38
Perimeter Fence Installation	Rough Terrain Forklifts	1	8.00	100	0.40
Perimeter Fence Installation	Rubber Tired Dozers	0	0.00	247	0.40
Perimeter Fence Installation	Skid Steer Loaders	1	8.00	65	0.37
Perimeter Fence Installation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Tree Removal	Crushing/Proc. Equipment	1	8.00	950	0.78
Tree Removal	Excavators	3	8.00	172	0.38
Tree Removal	Other Material Handling Equipment	1	8.00	350	0.40
Tree Removal	Other Material Handling Equipment	1	8.00	160	0.40
Tree Removal	Other Material Handling Equipment	1	8.00	790	0.40

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Tree Removal	Other Material Handling Equipment	1	8.00	755	0.40
Tree Removal	Rubber Tired Dozers	0	8.00	247	0.40
Tree Removal	Skid Steer Loaders	4	8.00	65	0.37
Tree Removal	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Energy Storage System	Cranes	1	8.00	231	0.29
Energy Storage System	Forklifts	0	0.00	89	0.20
Energy Storage System	Generator Sets	0	0.00	84	0.74
Energy Storage System	Graders	0	8.00	187	0.41
Energy Storage System	Off-Highway Trucks	5	8.00	150	0.38
Energy Storage System	Rough Terrain Forklifts	4	8.00	100	0.40
Energy Storage System	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Energy Storage System	Welders	0	0.00	46	0.45
Underground Work (Utilities)	Cranes	0	0.00	231	0.29
Underground Work (Utilities)	Excavators	2	8.00	158	0.38
Underground Work (Utilities)	Off-Highway Trucks	1	8.00	300	0.38
Underground Work (Utilities)	Other Construction Equipment	1	8.00	172	0.42
Underground Work (Utilities)	Rollers	1	8.00	80	0.38
Underground Work (Utilities)	Rough Terrain Forklifts	1	8.00	100	0.40
System Installation	Cranes	1	8.00	231	0.29
System Installation	Forklifts	0	0.00	89	0.20
System Installation	Generator Sets	3	8.00	84	0.74
System Installation	Off-Highway Trucks	5	8.00	150	0.38
System Installation	Other Construction Equipment	5	8.00	172	0.42
System Installation	Rough Terrain Forklifts	10	8.00	100	0.40
System Installation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
System Installation	Welders	0	0.00	46	0.45
Gen-Tie Construction	Off-Highway Trucks	2	8.00	200	0.38
Testing, Comissioning, Site Clean Up	Graders	1	8.00	187	0.41
Testing, Comissioning, Site Clean Up	Off-Highway Trucks	4	8.00	150	0.38

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Testing, Comissioning, Site Clean Up	Skid Steer Loaders	1	8.00	65	0.37
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**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	13	50.00	16.00	5,302.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
Perimeter Fence Installation	3	74.00	16.00	1,292.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
Tree Removal	12	30.00	4.00	1,350.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
Energy Storage System	11	100.00	4.00	4,582.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
Underground Work (Utilities)	6	100.00	2.00	2,184.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
System Installation	24	476.00	40.00	3,994.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
Gen-Tie Construction	2	16.00	4.00	438.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
Testing, Comissioning, Site Cle	6	26.00	4.00	1,258.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 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					
Fugitive Dust					8.9083	0.0000	8.9083	3.6321	0.0000	3.6321			0.0000			0.0000
Off-Road	5.5818	47.5988	37.8480	0.1247		1.8416	1.8416		1.6943	1.6943		12,069.25 47	12,069.25 47	3.9034		12,166.84 07
<b>Total</b>	<b>5.5818</b>	<b>47.5988</b>	<b>37.8480</b>	<b>0.1247</b>	<b>8.9083</b>	<b>1.8416</b>	<b>10.7499</b>	<b>3.6321</b>	<b>1.6943</b>	<b>5.3264</b>		<b>12,069.25 47</b>	<b>12,069.25 47</b>	<b>3.9034</b>		<b>12,166.84 07</b>

**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	0.0721	4.8062	0.9063	0.0191	0.5461	0.0359	0.5819	0.1495	0.0343	0.1838		2,084.371 9	2,084.371 9	0.0830	0.3305	2,184.946 5
Vendor	0.0404	1.9313	0.3934	8.6700e-003	0.2957	0.0122	0.3079	0.0850	0.0117	0.0967		930.2801	930.2801	0.0224	0.1362	971.4222
Worker	0.2237	0.1491	1.8734	5.8900e-003	37.5356	3.4900e-003	37.5391	3.8689	3.2100e-003	3.8721		595.4237	595.4237	0.0131	0.0154	600.3311
<b>Total</b>	<b>0.3362</b>	<b>6.8866</b>	<b>3.1731</b>	<b>0.0337</b>	<b>38.3774</b>	<b>0.0516</b>	<b>38.4290</b>	<b>4.1034</b>	<b>0.0492</b>	<b>4.1526</b>		<b>3,610.075 7</b>	<b>3,610.075 7</b>	<b>0.1184</b>	<b>0.4821</b>	<b>3,756.699 8</b>

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2024**

**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					3.4743	0.0000	3.4743	1.4165	0.0000	1.4165			0.0000			0.0000
Off-Road	5.5818	47.5988	37.8480	0.1247		1.8416	1.8416		1.6943	1.6943	0.0000	12,069.25 47	12,069.25 47	3.9034		12,166.84 07
<b>Total</b>	<b>5.5818</b>	<b>47.5988</b>	<b>37.8480</b>	<b>0.1247</b>	<b>3.4743</b>	<b>1.8416</b>	<b>5.3158</b>	<b>1.4165</b>	<b>1.6943</b>	<b>3.1108</b>	<b>0.0000</b>	<b>12,069.25 47</b>	<b>12,069.25 47</b>	<b>3.9034</b>		<b>12,166.84 07</b>

**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	0.0721	4.8062	0.9063	0.0191	0.5461	0.0359	0.5819	0.1495	0.0343	0.1838		2,084.371 9	2,084.371 9	0.0830	0.3305	2,184.946 5
Vendor	0.0404	1.9313	0.3934	8.6700e-003	0.2957	0.0122	0.3079	0.0850	0.0117	0.0967		930.2801	930.2801	0.0224	0.1362	971.4222
Worker	0.2237	0.1491	1.8734	5.8900e-003	10.8803	3.4900e-003	10.8838	1.2077	3.2100e-003	1.2109		595.4237	595.4237	0.0131	0.0154	600.3311
<b>Total</b>	<b>0.3362</b>	<b>6.8866</b>	<b>3.1731</b>	<b>0.0337</b>	<b>11.7221</b>	<b>0.0516</b>	<b>11.7736</b>	<b>1.4422</b>	<b>0.0492</b>	<b>1.4914</b>		<b>3,610.075 7</b>	<b>3,610.075 7</b>	<b>0.1184</b>	<b>0.4821</b>	<b>3,756.699 8</b>

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 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					
Fugitive Dust					8.9083	0.0000	8.9083	3.6321	0.0000	3.6321			0.0000			0.0000
Off-Road	5.2136	41.3329	36.6024	0.1246		1.5773	1.5773		1.4511	1.4511		12,063.8187	12,063.8187	3.9017		12,161.3608
<b>Total</b>	<b>5.2136</b>	<b>41.3329</b>	<b>36.6024</b>	<b>0.1246</b>	<b>8.9083</b>	<b>1.5773</b>	<b>10.4856</b>	<b>3.6321</b>	<b>1.4511</b>	<b>5.0832</b>		<b>12,063.8187</b>	<b>12,063.8187</b>	<b>3.9017</b>		<b>12,161.3608</b>

**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	0.0703	4.6748	0.9097	0.0187	0.5459	0.0352	0.5811	0.1495	0.0336	0.1831		2,040.7625	2,040.7625	0.0816	0.3237	2,139.2548
Vendor	0.0385	1.8875	0.3808	8.4900e-003	0.2957	0.0120	0.3077	0.0850	0.0115	0.0965		911.5514	911.5514	0.0219	0.1337	951.9395
Worker	0.2110	0.1328	1.7437	5.6900e-003	37.5356	3.3300e-003	37.5390	3.8689	3.0600e-003	3.8720		575.3395	575.3395	0.0118	0.0143	579.8982
<b>Total</b>	<b>0.3198</b>	<b>6.6951</b>	<b>3.0342</b>	<b>0.0329</b>	<b>38.3772</b>	<b>0.0505</b>	<b>38.4277</b>	<b>4.1034</b>	<b>0.0482</b>	<b>4.1515</b>		<b>3,527.6533</b>	<b>3,527.6533</b>	<b>0.1153</b>	<b>0.4717</b>	<b>3,671.0925</b>

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2025**

**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					3.4743	0.0000	3.4743	1.4165	0.0000	1.4165			0.0000			0.0000
Off-Road	5.2136	41.3329	36.6024	0.1246		1.5773	1.5773		1.4511	1.4511	0.0000	12,063.8187	12,063.8187	3.9017		12,161.3608
<b>Total</b>	<b>5.2136</b>	<b>41.3329</b>	<b>36.6024</b>	<b>0.1246</b>	<b>3.4743</b>	<b>1.5773</b>	<b>5.0515</b>	<b>1.4165</b>	<b>1.4511</b>	<b>2.8676</b>	<b>0.0000</b>	<b>12,063.8187</b>	<b>12,063.8187</b>	<b>3.9017</b>		<b>12,161.3608</b>

**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	0.0703	4.6748	0.9097	0.0187	0.5459	0.0352	0.5811	0.1495	0.0336	0.1831		2,040.7625	2,040.7625	0.0816	0.3237	2,139.2548
Vendor	0.0385	1.8875	0.3808	8.4900e-003	0.2957	0.0120	0.3077	0.0850	0.0115	0.0965		911.5514	911.5514	0.0219	0.1337	951.9395
Worker	0.2110	0.1328	1.7437	5.6900e-003	10.8803	3.3300e-003	10.8836	1.2077	3.0600e-003	1.2107		575.3395	575.3395	0.0118	0.0143	579.8982
<b>Total</b>	<b>0.3198</b>	<b>6.6951</b>	<b>3.0342</b>	<b>0.0329</b>	<b>11.7219</b>	<b>0.0505</b>	<b>11.7724</b>	<b>1.4421</b>	<b>0.0482</b>	<b>1.4903</b>		<b>3,527.6533</b>	<b>3,527.6533</b>	<b>0.1153</b>	<b>0.4717</b>	<b>3,671.0925</b>

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Perimeter Fence Installation - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3898	3.6790	7.0160	0.0104		0.1380	0.1380		0.1270	0.1270		1,007.0634	1,007.0634	0.3257		1,015.2060
<b>Total</b>	<b>0.3898</b>	<b>3.6790</b>	<b>7.0160</b>	<b>0.0104</b>	<b>0.0000</b>	<b>0.1380</b>	<b>0.1380</b>	<b>0.0000</b>	<b>0.1270</b>	<b>0.1270</b>		<b>1,007.0634</b>	<b>1,007.0634</b>	<b>0.3257</b>		<b>1,015.2060</b>

**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	0.0595	3.9640	0.7475	0.0157	0.4504	0.0296	0.4799	0.1233	0.0283	0.1516		1,719.1245	1,719.1245	0.0684	0.2726	1,802.0753
Vendor	0.0404	1.9313	0.3934	8.6700e-003	0.2957	0.0122	0.3079	0.0850	0.0117	0.0967		930.2801	930.2801	0.0224	0.1362	971.4222
Worker	0.3311	0.2206	2.7726	8.7200e-003	55.5528	5.1600e-003	55.5579	5.7260	4.7500e-003	5.7307		881.2271	881.2271	0.0193	0.0228	888.4901
<b>Total</b>	<b>0.4310</b>	<b>6.1159</b>	<b>3.9136</b>	<b>0.0331</b>	<b>56.2988</b>	<b>0.0470</b>	<b>56.3458</b>	<b>5.9343</b>	<b>0.0447</b>	<b>5.9790</b>		<b>3,530.6317</b>	<b>3,530.6317</b>	<b>0.1101</b>	<b>0.4316</b>	<b>3,661.9875</b>



CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Perimeter Fence Installation - 2024**

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3898	3.6790	7.0160	0.0104		0.1380	0.1380		0.1270	0.1270	0.0000	1,007.0634	1,007.0634	0.3257		1,015.2060
<b>Total</b>	<b>0.3898</b>	<b>3.6790</b>	<b>7.0160</b>	<b>0.0104</b>	<b>0.0000</b>	<b>0.1380</b>	<b>0.1380</b>	<b>0.0000</b>	<b>0.1270</b>	<b>0.1270</b>	<b>0.0000</b>	<b>1,007.0634</b>	<b>1,007.0634</b>	<b>0.3257</b>		<b>1,015.2060</b>

**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	0.0595	3.9640	0.7475	0.0157	0.4504	0.0296	0.4799	0.1233	0.0283	0.1516		1,719.1245	1,719.1245	0.0684	0.2726	1,802.0753
Vendor	0.0404	1.9313	0.3934	8.6700e-003	0.2957	0.0122	0.3079	0.0850	0.0117	0.0967		930.2801	930.2801	0.0224	0.1362	971.4222
Worker	0.3311	0.2206	2.7726	8.7200e-003	16.1029	5.1600e-003	16.1080	1.7874	4.7500e-003	1.7921		881.2271	881.2271	0.0193	0.0228	888.4901
<b>Total</b>	<b>0.4310</b>	<b>6.1159</b>	<b>3.9136</b>	<b>0.0331</b>	<b>16.8489</b>	<b>0.0470</b>	<b>16.8959</b>	<b>1.9957</b>	<b>0.0447</b>	<b>2.0404</b>		<b>3,530.6317</b>	<b>3,530.6317</b>	<b>0.1101</b>	<b>0.4316</b>	<b>3,661.9875</b>

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Tree Removal - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.5961	14.0725	22.9085	0.0427		0.6089	0.6089		0.5602	0.5602		4,130.3198	4,130.3198	1.3358		4,163.7155
<b>Total</b>	<b>1.5961</b>	<b>14.0725</b>	<b>22.9085</b>	<b>0.0427</b>	<b>0.0000</b>	<b>0.6089</b>	<b>0.6089</b>	<b>0.0000</b>	<b>0.5602</b>	<b>0.5602</b>		<b>4,130.3198</b>	<b>4,130.3198</b>	<b>1.3358</b>		<b>4,163.7155</b>

**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	0.0594	3.9593	0.7466	0.0157	0.4498	0.0295	0.4794	0.1232	0.0283	0.1514		1,717.0503	1,717.0503	0.0683	0.2723	1,799.9010
Vendor	0.0101	0.4828	0.0984	2.1700e-003	0.0739	3.0600e-003	0.0770	0.0213	2.9300e-003	0.0242		232.5700	232.5700	5.5900e-003	0.0341	242.8555
Worker	0.1342	0.0894	1.1240	3.5300e-003	22.5214	2.0900e-003	22.5235	2.3213	1.9300e-003	2.3233		357.2542	357.2542	7.8300e-003	9.2200e-003	360.1987
<b>Total</b>	<b>0.2037</b>	<b>4.5315</b>	<b>1.9690</b>	<b>0.0214</b>	<b>23.0451</b>	<b>0.0347</b>	<b>23.0798</b>	<b>2.4657</b>	<b>0.0331</b>	<b>2.4989</b>		<b>2,306.8746</b>	<b>2,306.8746</b>	<b>0.0818</b>	<b>0.3156</b>	<b>2,402.9553</b>

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Tree Removal - 2024**

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.5961	14.0725	22.9085	0.0427		0.6089	0.6089		0.5602	0.5602	0.0000	4,130.3197	4,130.3197	1.3358		4,163.7155
<b>Total</b>	<b>1.5961</b>	<b>14.0725</b>	<b>22.9085</b>	<b>0.0427</b>	<b>0.0000</b>	<b>0.6089</b>	<b>0.6089</b>	<b>0.0000</b>	<b>0.5602</b>	<b>0.5602</b>	<b>0.0000</b>	<b>4,130.3197</b>	<b>4,130.3197</b>	<b>1.3358</b>		<b>4,163.7155</b>

**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	0.0594	3.9593	0.7466	0.0157	0.4498	0.0295	0.4794	0.1232	0.0283	0.1514		1,717.0503	1,717.0503	0.0683	0.2723	1,799.9010
Vendor	0.0101	0.4828	0.0984	2.1700e-003	0.0739	3.0600e-003	0.0770	0.0213	2.9300e-003	0.0242		232.5700	232.5700	5.5900e-003	0.0341	242.8555
Worker	0.1342	0.0894	1.1240	3.5300e-003	6.5282	2.0900e-003	6.5303	0.7246	1.9300e-003	0.7265		357.2542	357.2542	7.8300e-003	9.2200e-003	360.1987
<b>Total</b>	<b>0.2037</b>	<b>4.5315</b>	<b>1.9690</b>	<b>0.0214</b>	<b>7.0519</b>	<b>0.0347</b>	<b>7.0866</b>	<b>0.8690</b>	<b>0.0331</b>	<b>0.9021</b>		<b>2,306.8746</b>	<b>2,306.8746</b>	<b>0.0818</b>	<b>0.3156</b>	<b>2,402.9553</b>

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 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	2.0105	17.8649	29.8788	0.0471		0.7284	0.7284		0.6701	0.6701		4,559.3185	4,559.3185	1.4746		4,596.1829
<b>Total</b>	<b>2.0105</b>	<b>17.8649</b>	<b>29.8788</b>	<b>0.0471</b>		<b>0.7284</b>	<b>0.7284</b>		<b>0.6701</b>	<b>0.6701</b>		<b>4,559.3185</b>	<b>4,559.3185</b>	<b>1.4746</b>		<b>4,596.1829</b>

**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	0.0596	3.9730	0.7492	0.0158	0.4514	0.0296	0.4810	0.1236	0.0284	0.1519		1,723.0006	1,723.0006	0.0686	0.2732	1,806.1384
Vendor	0.0101	0.4828	0.0984	2.1700e-003	0.0739	3.0600e-003	0.0770	0.0213	2.9300e-003	0.0242		232.5700	232.5700	5.5900e-003	0.0341	242.8555
Worker	0.4474	0.2981	3.7468	0.0118	75.0713	6.9800e-003	75.0783	7.7378	6.4200e-003	7.7442		1,190.8475	1,190.8475	0.0261	0.0308	1,200.6623
<b>Total</b>	<b>0.5171</b>	<b>4.7539</b>	<b>4.5943</b>	<b>0.0297</b>	<b>75.5966</b>	<b>0.0397</b>	<b>75.6363</b>	<b>7.8826</b>	<b>0.0377</b>	<b>7.9204</b>		<b>3,146.4180</b>	<b>3,146.4180</b>	<b>0.1003</b>	<b>0.3380</b>	<b>3,249.6562</b>

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2024**

**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	2.0105	17.8649	29.8788	0.0471		0.7284	0.7284		0.6701	0.6701	0.0000	4,559.3185	4,559.3185	1.4746		4,596.1829
<b>Total</b>	<b>2.0105</b>	<b>17.8649</b>	<b>29.8788</b>	<b>0.0471</b>		<b>0.7284</b>	<b>0.7284</b>		<b>0.6701</b>	<b>0.6701</b>	<b>0.0000</b>	<b>4,559.3185</b>	<b>4,559.3185</b>	<b>1.4746</b>		<b>4,596.1829</b>

**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	0.0596	3.9730	0.7492	0.0158	0.4514	0.0296	0.4810	0.1236	0.0284	0.1519		1,723.0006	1,723.0006	0.0686	0.2732	1,806.1384
Vendor	0.0101	0.4828	0.0984	2.1700e-003	0.0739	3.0600e-003	0.0770	0.0213	2.9300e-003	0.0242		232.5700	232.5700	5.5900e-003	0.0341	242.8555
Worker	0.4474	0.2981	3.7468	0.0118	21.7606	6.9800e-003	21.7676	2.4153	6.4200e-003	2.4218		1,190.8475	1,190.8475	0.0261	0.0308	1,200.6623
<b>Total</b>	<b>0.5171</b>	<b>4.7539</b>	<b>4.5943</b>	<b>0.0297</b>	<b>22.2859</b>	<b>0.0397</b>	<b>22.3256</b>	<b>2.5602</b>	<b>0.0377</b>	<b>2.5979</b>		<b>3,146.4180</b>	<b>3,146.4180</b>	<b>0.1003</b>	<b>0.3380</b>	<b>3,249.6562</b>

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 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	1.9067	16.3529	29.8349	0.0471		0.6587	0.6587		0.6060	0.6060		4,558.2434	4,558.2434	1.4742		4,595.0991
<b>Total</b>	<b>1.9067</b>	<b>16.3529</b>	<b>29.8349</b>	<b>0.0471</b>		<b>0.6587</b>	<b>0.6587</b>		<b>0.6060</b>	<b>0.6060</b>		<b>4,558.2434</b>	<b>4,558.2434</b>	<b>1.4742</b>		<b>4,595.0991</b>

**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	0.0581	3.8643	0.7520	0.0154	0.4513	0.0291	0.4803	0.1235	0.0278	0.1513		1,686.9518	1,686.9518	0.0675	0.2676	1,768.3683
Vendor	9.6300e-003	0.4719	0.0952	2.1200e-003	0.0739	3.0000e-003	0.0769	0.0213	2.8700e-003	0.0241		227.8878	227.8878	5.4700e-003	0.0334	237.9849
Worker	0.4221	0.2655	3.4874	0.0114	75.0713	6.6500e-003	75.0779	7.7378	6.1300e-003	7.7439		1,150.6789	1,150.6789	0.0236	0.0286	1,159.7963
<b>Total</b>	<b>0.4898</b>	<b>4.6017</b>	<b>4.3345</b>	<b>0.0289</b>	<b>75.5965</b>	<b>0.0387</b>	<b>75.6352</b>	<b>7.8826</b>	<b>0.0368</b>	<b>7.9194</b>		<b>3,065.5185</b>	<b>3,065.5185</b>	<b>0.0965</b>	<b>0.3296</b>	<b>3,166.1495</b>

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2025**

**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	1.9067	16.3529	29.8349	0.0471		0.6587	0.6587		0.6060	0.6060	0.0000	4,558.243 4	4,558.243 4	1.4742		4,595.099 1
<b>Total</b>	<b>1.9067</b>	<b>16.3529</b>	<b>29.8349</b>	<b>0.0471</b>		<b>0.6587</b>	<b>0.6587</b>		<b>0.6060</b>	<b>0.6060</b>	<b>0.0000</b>	<b>4,558.243 4</b>	<b>4,558.243 4</b>	<b>1.4742</b>		<b>4,595.099 1</b>

**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	0.0581	3.8643	0.7520	0.0154	0.4513	0.0291	0.4803	0.1235	0.0278	0.1513		1,686.951 8	1,686.951 8	0.0675	0.2676	1,768.368 3
Vendor	9.6300e-003	0.4719	0.0952	2.1200e-003	0.0739	3.0000e-003	0.0769	0.0213	2.8700e-003	0.0241		227.8878	227.8878	5.4700e-003	0.0334	237.9849
Worker	0.4221	0.2655	3.4874	0.0114	21.7606	6.6500e-003	21.7673	2.4153	6.1300e-003	2.4215		1,150.678 9	1,150.678 9	0.0236	0.0286	1,159.796 3
<b>Total</b>	<b>0.4898</b>	<b>4.6017</b>	<b>4.3345</b>	<b>0.0289</b>	<b>22.2858</b>	<b>0.0387</b>	<b>22.3245</b>	<b>2.5601</b>	<b>0.0368</b>	<b>2.5969</b>		<b>3,065.518 5</b>	<b>3,065.518 5</b>	<b>0.0965</b>	<b>0.3296</b>	<b>3,166.149 5</b>

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 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	1.3114	11.3747	17.1075	0.0325		0.5151	0.5151		0.4739	0.4739		3,142.1426	3,142.1426	1.0162		3,167.5485
<b>Total</b>	<b>1.3114</b>	<b>11.3747</b>	<b>17.1075</b>	<b>0.0325</b>		<b>0.5151</b>	<b>0.5151</b>		<b>0.4739</b>	<b>0.4739</b>		<b>3,142.1426</b>	<b>3,142.1426</b>	<b>1.0162</b>		<b>3,167.5485</b>

**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	0.0594	3.9596	0.7467	0.0157	0.4499	0.0295	0.4794	0.1232	0.0283	0.1514		1,717.1891	1,717.1891	0.0684	0.2723	1,800.0465
Vendor	5.0500e-003	0.2414	0.0492	1.0800e-003	0.0370	1.5300e-003	0.0385	0.0106	1.4600e-003	0.0121		116.2850	116.2850	2.7900e-003	0.0170	121.4278
Worker	0.4474	0.2981	3.7468	0.0118	75.0713	6.9800e-003	75.0783	7.7378	6.4200e-003	7.7442		1,190.8475	1,190.8475	0.0261	0.0308	1,200.6623
<b>Total</b>	<b>0.5119</b>	<b>4.4991</b>	<b>4.5426</b>	<b>0.0286</b>	<b>75.5581</b>	<b>0.0381</b>	<b>75.5961</b>	<b>7.8716</b>	<b>0.0361</b>	<b>7.9077</b>		<b>3,024.3215</b>	<b>3,024.3215</b>	<b>0.0972</b>	<b>0.3201</b>	<b>3,122.1365</b>



CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2024**

**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	1.3114	11.3747	17.1075	0.0325		0.5151	0.5151		0.4739	0.4739	0.0000	3,142.1426	3,142.1426	1.0162		3,167.5485
<b>Total</b>	<b>1.3114</b>	<b>11.3747</b>	<b>17.1075</b>	<b>0.0325</b>		<b>0.5151</b>	<b>0.5151</b>		<b>0.4739</b>	<b>0.4739</b>	<b>0.0000</b>	<b>3,142.1426</b>	<b>3,142.1426</b>	<b>1.0162</b>		<b>3,167.5485</b>

**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	0.0594	3.9596	0.7467	0.0157	0.4499	0.0295	0.4794	0.1232	0.0283	0.1514		1,717.1891	1,717.1891	0.0684	0.2723	1,800.0465
Vendor	5.0500e-003	0.2414	0.0492	1.0800e-003	0.0370	1.5300e-003	0.0385	0.0106	1.4600e-003	0.0121		116.2850	116.2850	2.7900e-003	0.0170	121.4278
Worker	0.4474	0.2981	3.7468	0.0118	21.7606	6.9800e-003	21.7676	2.4153	6.4200e-003	2.4218		1,190.8475	1,190.8475	0.0261	0.0308	1,200.6623
<b>Total</b>	<b>0.5119</b>	<b>4.4991</b>	<b>4.5426</b>	<b>0.0286</b>	<b>22.2474</b>	<b>0.0381</b>	<b>22.2855</b>	<b>2.5491</b>	<b>0.0361</b>	<b>2.5853</b>		<b>3,024.3215</b>	<b>3,024.3215</b>	<b>0.0972</b>	<b>0.3201</b>	<b>3,122.1365</b>

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 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	1.2236	10.0710	17.0244	0.0325		0.4477	0.4477		0.4119	0.4119		3,142.0618	3,142.0618	1.0162		3,167.4669
<b>Total</b>	<b>1.2236</b>	<b>10.0710</b>	<b>17.0244</b>	<b>0.0325</b>		<b>0.4477</b>	<b>0.4477</b>		<b>0.4119</b>	<b>0.4119</b>		<b>3,142.0618</b>	<b>3,142.0618</b>	<b>1.0162</b>		<b>3,167.4669</b>

**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	0.0579	3.8513	0.7494	0.0154	0.4498	0.0290	0.4787	0.1231	0.0277	0.1508		1,681.2619	1,681.2619	0.0673	0.2667	1,762.4038
Vendor	4.8200e-003	0.2359	0.0476	1.0600e-003	0.0370	1.5000e-003	0.0385	0.0106	1.4400e-003	0.0121		113.9439	113.9439	2.7400e-003	0.0167	118.9924
Worker	0.4221	0.2655	3.4874	0.0114	75.0713	6.6500e-003	75.0779	7.7378	6.1300e-003	7.7439		1,150.6789	1,150.6789	0.0236	0.0286	1,159.7963
<b>Total</b>	<b>0.4848</b>	<b>4.3528</b>	<b>4.2844</b>	<b>0.0278</b>	<b>75.5580</b>	<b>0.0371</b>	<b>75.5951</b>	<b>7.8716</b>	<b>0.0353</b>	<b>7.9068</b>		<b>2,945.8847</b>	<b>2,945.8847</b>	<b>0.0936</b>	<b>0.3120</b>	<b>3,041.1926</b>

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2025**

**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	1.2236	10.0710	17.0244	0.0325		0.4477	0.4477		0.4119	0.4119	0.0000	3,142.0618	3,142.0618	1.0162		3,167.4669
<b>Total</b>	<b>1.2236</b>	<b>10.0710</b>	<b>17.0244</b>	<b>0.0325</b>		<b>0.4477</b>	<b>0.4477</b>		<b>0.4119</b>	<b>0.4119</b>	<b>0.0000</b>	<b>3,142.0618</b>	<b>3,142.0618</b>	<b>1.0162</b>		<b>3,167.4669</b>

**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	0.0579	3.8513	0.7494	0.0154	0.4498	0.0290	0.4787	0.1231	0.0277	0.1508		1,681.2619	1,681.2619	0.0673	0.2667	1,762.4038
Vendor	4.8200e-003	0.2359	0.0476	1.0600e-003	0.0370	1.5000e-003	0.0385	0.0106	1.4400e-003	0.0121		113.9439	113.9439	2.7400e-003	0.0167	118.9924
Worker	0.4221	0.2655	3.4874	0.0114	21.7606	6.6500e-003	21.7673	2.4153	6.1300e-003	2.4215		1,150.6789	1,150.6789	0.0236	0.0286	1,159.7963
<b>Total</b>	<b>0.4848</b>	<b>4.3528</b>	<b>4.2844</b>	<b>0.0278</b>	<b>22.2473</b>	<b>0.0371</b>	<b>22.2844</b>	<b>2.5491</b>	<b>0.0353</b>	<b>2.5844</b>		<b>2,945.8847</b>	<b>2,945.8847</b>	<b>0.0936</b>	<b>0.3120</b>	<b>3,041.1926</b>

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 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	4.9957	48.2065	72.4331	0.1153		2.0692	2.0692		1.9302	1.9302		11,120.29 57	11,120.29 57	3.0677		11,196.98 74
<b>Total</b>	<b>4.9957</b>	<b>48.2065</b>	<b>72.4331</b>	<b>0.1153</b>		<b>2.0692</b>	<b>2.0692</b>		<b>1.9302</b>	<b>1.9302</b>		<b>11,120.29 57</b>	<b>11,120.29 57</b>	<b>3.0677</b>		<b>11,196.98 74</b>

**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	0.0597	3.9826	0.7510	0.0158	0.4525	0.0297	0.4822	0.1239	0.0284	0.1523		1,727.174 6	1,727.174 6	0.0687	0.2739	1,810.513 8
Vendor	0.1011	4.8282	0.9836	0.0217	0.7393	0.0306	0.7698	0.2125	0.0293	0.2418		2,325.700 1	2,325.700 1	0.0559	0.3405	2,428.555 4
Worker	2.1296	1.4190	17.8347	0.0561	357.3393	0.0332	357.3725	36.8319	0.0306	36.8625		5,668.433 9	5,668.433 9	0.1242	0.1464	5,715.152 5
<b>Total</b>	<b>2.2905</b>	<b>10.2297</b>	<b>19.5693</b>	<b>0.0936</b>	<b>358.5310</b>	<b>0.0935</b>	<b>358.6245</b>	<b>37.1684</b>	<b>0.0883</b>	<b>37.2566</b>		<b>9,721.308 6</b>	<b>9,721.308 6</b>	<b>0.2489</b>	<b>0.7607</b>	<b>9,954.221 7</b>

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2024**

**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	4.9957	48.2065	72.4331	0.1153		2.0692	2.0692		1.9302	1.9302	0.0000	11,120.2956	11,120.2956	3.0677		11,196.9874
<b>Total</b>	<b>4.9957</b>	<b>48.2065</b>	<b>72.4331</b>	<b>0.1153</b>		<b>2.0692</b>	<b>2.0692</b>		<b>1.9302</b>	<b>1.9302</b>	<b>0.0000</b>	<b>11,120.2956</b>	<b>11,120.2956</b>	<b>3.0677</b>		<b>11,196.9874</b>

**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	0.0597	3.9826	0.7510	0.0158	0.4525	0.0297	0.4822	0.1239	0.0284	0.1523		1,727.1746	1,727.1746	0.0687	0.2739	1,810.5138
Vendor	0.1011	4.8282	0.9836	0.0217	0.7393	0.0306	0.7698	0.2125	0.0293	0.2418		2,325.7001	2,325.7001	0.0559	0.3405	2,428.5554
Worker	2.1296	1.4190	17.8347	0.0561	103.5805	0.0332	103.6137	11.4970	0.0306	11.5276		5,668.4339	5,668.4339	0.1242	0.1464	5,715.1525
<b>Total</b>	<b>2.2905</b>	<b>10.2297</b>	<b>19.5693</b>	<b>0.0936</b>	<b>104.7722</b>	<b>0.0935</b>	<b>104.8657</b>	<b>11.8335</b>	<b>0.0883</b>	<b>11.9217</b>		<b>9,721.3086</b>	<b>9,721.3086</b>	<b>0.2489</b>	<b>0.7607</b>	<b>9,954.2217</b>

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 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	4.6508	43.7176	72.2778	0.1153		1.8212	1.8212		1.6984	1.6984		11,120.7208	11,120.7208	3.0612		11,197.2515
<b>Total</b>	<b>4.6508</b>	<b>43.7176</b>	<b>72.2778</b>	<b>0.1153</b>		<b>1.8212</b>	<b>1.8212</b>		<b>1.6984</b>	<b>1.6984</b>		<b>11,120.7208</b>	<b>11,120.7208</b>	<b>3.0612</b>		<b>11,197.2515</b>

**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	0.0582	3.8737	0.7538	0.0155	0.4524	0.0291	0.4815	0.1238	0.0279	0.1517		1,691.0385	1,691.0385	0.0677	0.2682	1,772.6522
Vendor	0.0963	4.7187	0.9521	0.0212	0.7392	0.0300	0.7692	0.2125	0.0287	0.2412		2,278.8784	2,278.8784	0.0547	0.3342	2,379.8488
Worker	2.0090	1.2639	16.5999	0.0542	357.3393	0.0317	357.3710	36.8319	0.0292	36.8611		5,477.2317	5,477.2317	0.1122	0.1362	5,520.6305
<b>Total</b>	<b>2.1635</b>	<b>9.8563</b>	<b>18.3057</b>	<b>0.0909</b>	<b>358.5308</b>	<b>0.0908</b>	<b>358.6216</b>	<b>37.1683</b>	<b>0.0857</b>	<b>37.2540</b>		<b>9,447.1486</b>	<b>9,447.1486</b>	<b>0.2346</b>	<b>0.7387</b>	<b>9,673.1315</b>

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2025**

**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	4.6508	43.7176	72.2778	0.1153		1.8212	1.8212		1.6984	1.6984	0.0000	11,120.7208	11,120.7208	3.0612		11,197.2515
<b>Total</b>	<b>4.6508</b>	<b>43.7176</b>	<b>72.2778</b>	<b>0.1153</b>		<b>1.8212</b>	<b>1.8212</b>		<b>1.6984</b>	<b>1.6984</b>	<b>0.0000</b>	<b>11,120.7208</b>	<b>11,120.7208</b>	<b>3.0612</b>		<b>11,197.2515</b>

**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	0.0582	3.8737	0.7538	0.0155	0.4524	0.0291	0.4815	0.1238	0.0279	0.1517		1,691.0385	1,691.0385	0.0677	0.2682	1,772.6522
Vendor	0.0963	4.7187	0.9521	0.0212	0.7392	0.0300	0.7692	0.2125	0.0287	0.2412		2,278.8784	2,278.8784	0.0547	0.3342	2,379.8488
Worker	2.0090	1.2639	16.5999	0.0542	103.5805	0.0317	103.6121	11.4970	0.0292	11.5262		5,477.2317	5,477.2317	0.1122	0.1362	5,520.6305
<b>Total</b>	<b>2.1635</b>	<b>9.8563</b>	<b>18.3057</b>	<b>0.0909</b>	<b>104.7720</b>	<b>0.0908</b>	<b>104.8628</b>	<b>11.8334</b>	<b>0.0857</b>	<b>11.9191</b>		<b>9,447.1486</b>	<b>9,447.1486</b>	<b>0.2346</b>	<b>0.7387</b>	<b>9,673.1315</b>

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.8 Gen-Tie 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	0.5416	3.6337	3.3756	0.0130		0.1454	0.1454		0.1337	0.1337		1,257.607 1	1,257.607 1	0.4067		1,267.775 5
<b>Total</b>	<b>0.5416</b>	<b>3.6337</b>	<b>3.3756</b>	<b>0.0130</b>		<b>0.1454</b>	<b>0.1454</b>		<b>0.1337</b>	<b>0.1337</b>		<b>1,257.607 1</b>	<b>1,257.607 1</b>	<b>0.4067</b>		<b>1,267.775 5</b>

**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	0.0596	3.9705	0.7487	0.0158	0.4511	0.0296	0.4807	0.1235	0.0283	0.1518		1,721.906 6	1,721.906 6	0.0685	0.2731	1,804.991 7
Vendor	0.0101	0.4828	0.0984	2.1700e-003	0.0739	3.0600e-003	0.0770	0.0213	2.9300e-003	0.0242		232.5700	232.5700	5.5900e-003	0.0341	242.8555
Worker	0.0716	0.0477	0.5995	1.8900e-003	12.0114	1.1200e-003	12.0125	1.2381	1.0300e-003	1.2391		190.5356	190.5356	4.1800e-003	4.9200e-003	192.1060
<b>Total</b>	<b>0.1413</b>	<b>4.5010</b>	<b>1.4466</b>	<b>0.0198</b>	<b>12.5364</b>	<b>0.0338</b>	<b>12.5702</b>	<b>1.3828</b>	<b>0.0323</b>	<b>1.4151</b>		<b>2,145.012 2</b>	<b>2,145.012 2</b>	<b>0.0783</b>	<b>0.3120</b>	<b>2,239.953 2</b>



CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.8 Gen-Tie Construction - 2024**

**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	0.5416	3.6337	3.3756	0.0130		0.1454	0.1454		0.1337	0.1337	0.0000	1,257.607 1	1,257.607 1	0.4067		1,267.775 5
<b>Total</b>	<b>0.5416</b>	<b>3.6337</b>	<b>3.3756</b>	<b>0.0130</b>		<b>0.1454</b>	<b>0.1454</b>		<b>0.1337</b>	<b>0.1337</b>	<b>0.0000</b>	<b>1,257.607 1</b>	<b>1,257.607 1</b>	<b>0.4067</b>		<b>1,267.775 5</b>

**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	0.0596	3.9705	0.7487	0.0158	0.4511	0.0296	0.4807	0.1235	0.0283	0.1518		1,721.906 6	1,721.906 6	0.0685	0.2731	1,804.991 7
Vendor	0.0101	0.4828	0.0984	2.1700e-003	0.0739	3.0600e-003	0.0770	0.0213	2.9300e-003	0.0242		232.5700	232.5700	5.5900e-003	0.0341	242.8555
Worker	0.0716	0.0477	0.5995	1.8900e-003	3.4817	1.1200e-003	3.4828	0.3865	1.0300e-003	0.3875		190.5356	190.5356	4.1800e-003	4.9200e-003	192.1060
<b>Total</b>	<b>0.1413</b>	<b>4.5010</b>	<b>1.4466</b>	<b>0.0198</b>	<b>4.0067</b>	<b>0.0338</b>	<b>4.0405</b>	<b>0.5312</b>	<b>0.0323</b>	<b>0.5635</b>		<b>2,145.012 2</b>	<b>2,145.012 2</b>	<b>0.0783</b>	<b>0.3120</b>	<b>2,239.953 2</b>

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.9 Testing, Commissioning, Site Clean Up - 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	1.2295	9.6187	16.3546	0.0282		0.3958	0.3958		0.3641	0.3641		2,730.7075	2,730.7075	0.8832		2,752.7867
<b>Total</b>	<b>1.2295</b>	<b>9.6187</b>	<b>16.3546</b>	<b>0.0282</b>		<b>0.3958</b>	<b>0.3958</b>		<b>0.3641</b>	<b>0.3641</b>		<b>2,730.7075</b>	<b>2,730.7075</b>	<b>0.8832</b>		<b>2,752.7867</b>

**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	0.0582	3.8733	0.7537	0.0155	0.4523	0.0291	0.4815	0.1238	0.0279	0.1517		1,690.8906	1,690.8906	0.0676	0.2682	1,772.4973
Vendor	9.6300e-003	0.4719	0.0952	2.1200e-003	0.0739	3.0000e-003	0.0769	0.0213	2.8700e-003	0.0241		227.8878	227.8878	5.4700e-003	0.0334	237.9849
Worker	0.1097	0.0690	0.9067	2.9600e-003	19.5185	1.7300e-003	19.5203	2.0118	1.5900e-003	2.0134		299.1765	299.1765	6.1300e-003	7.4400e-003	301.5470
<b>Total</b>	<b>0.1776</b>	<b>4.4143</b>	<b>1.7556</b>	<b>0.0206</b>	<b>20.0448</b>	<b>0.0339</b>	<b>20.0786</b>	<b>2.1569</b>	<b>0.0323</b>	<b>2.1892</b>		<b>2,217.9550</b>	<b>2,217.9550</b>	<b>0.0792</b>	<b>0.3090</b>	<b>2,312.0292</b>

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.9 Testing, Commissioning, Site Clean Up - 2025**

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	1.2295	9.6187	16.3546	0.0282		0.3958	0.3958		0.3641	0.3641	0.0000	2,730.7075	2,730.7075	0.8832		2,752.7867
<b>Total</b>	<b>1.2295</b>	<b>9.6187</b>	<b>16.3546</b>	<b>0.0282</b>		<b>0.3958</b>	<b>0.3958</b>		<b>0.3641</b>	<b>0.3641</b>	<b>0.0000</b>	<b>2,730.7075</b>	<b>2,730.7075</b>	<b>0.8832</b>		<b>2,752.7867</b>

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	0.0582	3.8733	0.7537	0.0155	0.4523	0.0291	0.4815	0.1238	0.0279	0.1517		1,690.8906	1,690.8906	0.0676	0.2682	1,772.4973
Vendor	9.6300e-003	0.4719	0.0952	2.1200e-003	0.0739	3.0000e-003	0.0769	0.0213	2.8700e-003	0.0241		227.8878	227.8878	5.4700e-003	0.0334	237.9849
Worker	0.1097	0.0690	0.9067	2.9600e-003	5.6578	1.7300e-003	5.6595	0.6280	1.5900e-003	0.6296		299.1765	299.1765	6.1300e-003	7.4400e-003	301.5470
<b>Total</b>	<b>0.1776</b>	<b>4.4143</b>	<b>1.7556</b>	<b>0.0206</b>	<b>6.1840</b>	<b>0.0339</b>	<b>6.2179</b>	<b>0.7731</b>	<b>0.0323</b>	<b>0.8054</b>		<b>2,217.9550</b>	<b>2,217.9550</b>	<b>0.0792</b>	<b>0.3090</b>	<b>2,312.0292</b>

**4.0 Operational Detail - Mobile**

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.1486	0.2281	1.6162	3.3300e-003	0.3770	2.6300e-003	0.3797	0.1005	2.4500e-003	0.1030		339.8466	339.8466	0.0233	0.0172	345.5426
Unmitigated	0.1486	0.2281	1.6162	3.3300e-003	0.3770	2.6300e-003	0.3797	0.1005	2.4500e-003	0.1030		339.8466	339.8466	0.0233	0.0172	345.5426

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	20.00	20.00	20.00	62,353	62,353
User Defined Industrial	32.00	0.00	0.00	83,200	83,200
<b>Total</b>	<b>52.00</b>	<b>20.00</b>	<b>20.00</b>	<b>145,553</b>	<b>145,553</b>

**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
Unrefrigerated Warehouse-No Rail	10.00	5.00	6.50	59.00	0.00	41.00	100	0	0
User Defined Industrial	10.00	5.00	6.50	100.00	0.00	0.00	100	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.546433	0.056674	0.183423	0.128799	0.024661	0.005883	0.013276	0.009437	0.000898	0.000581	0.025768	0.000959	0.003207

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

User Defined Industrial	0.546433	0.056674	0.183423	0.128799	0.024661	0.005883	0.013276	0.009437	0.000898	0.000581	0.025768	0.000959	0.003207
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**5.0 Energy Detail**

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

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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					
Unrefrigerated Warehouse-No Rail	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
User Defined Industrial	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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

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					
Unrefrigerated Warehouse-No Rail	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
User Defined Industrial	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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	1.0000e-004	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
Unmitigated	1.0000e-004	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003

**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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-004	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
<b>Total</b>	<b>1.0000e-004</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.4100e-003</b>	<b>2.4100e-003</b>	<b>1.0000e-005</b>		<b>2.5600e-003</b>

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**6.2 Area by SubCategory**

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-004	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
<b>Total</b>	<b>1.0000e-004</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.4100e-003</b>	<b>2.4100e-003</b>	<b>1.0000e-005</b>		<b>2.5600e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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Fire Pumps and Emergency Generators



CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	0.5	50	2000	0.73	Diesel

**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**10.1 Stationary Sources**

**Unmitigated/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
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (750 - 9999 HP)	3.2821	14.6775	8.3688	0.0158		0.4828	0.4828		0.4828	0.4828		1,679.028 2	1,679.028 2	0.2354		1,684.913 2
<b>Total</b>	<b>3.2821</b>	<b>14.6775</b>	<b>8.3688</b>	<b>0.0158</b>		<b>0.4828</b>	<b>0.4828</b>		<b>0.4828</b>	<b>0.4828</b>		<b>1,679.028 2</b>	<b>1,679.028 2</b>	<b>0.2354</b>		<b>1,684.913 2</b>

**11.0 Vegetation**

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CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**CCAR Solar - Mitigated SMAQMD  
Sacramento Metropolitan AQMD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	10.00	1000sqft	2,555.00	10,000.00	0
User Defined Industrial	1.00	User Defined Unit	0.00	1.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	3.5	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	6			<b>Operational Year</b>	2025
<b>Utility Company</b>	Sacramento Municipal Utility District				
<b>CO2 Intensity (lb/MWhr)</b>	357.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - Operational year 2023.

Land Use - 2,555 acers based on total development area.

Construction Phase - Construction phasing information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant. Off-Highway Trucks include 3 water trucks and 3 dump trucks.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Off-road Equipment - Construction equipment information was provided by the project applicant.

Trips and VMT - Construction trip information is based on data provided by the project applicant.

On-road Fugitive Dust - Assumed 0.5 miles of travel on unpaved roads for worker vehicles.

Grading - 250,000 cy of export

Vehicle Trips - Trip rates were modified to be consistent with the anticipated operation and maintenance activity of 10 trips per day.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - No architectural coatings.

Energy Use - Modified energy demand factors to account for an energy demand of 1,236 MW annually. The energy demand was provided by the project applicant.

Water And Wastewater - Outdoor watert use is consisitent with the Project Description of 2.2 acre-feet for operation. Water for construction modeled in user defined industrial.

Solid Waste - CalEEMod defaults.

Construction Off-road Equipment Mitigation - Included watering 3x daily, unpaved road stablization and vehicle speed reduction as Enhanced Fugitive PM dust control control in practices as recommended by the SMAQMD

Fleet Mix - CalEEMod defaults.

Stationary Sources - Emergency Generators and Fire Pumps - Two, 2,000 horse power Diesel emergency generartos

Consumer Products - No consumer products.

Landscape Equipment - No landscaping.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	0
tblAreaCoating	Area_EF_Nonresidential_Interior	100	0
tblAreaCoating	ReapplicationRatePercent	10	0
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorV alue	100	0
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorV alue	100	0
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	24.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	16.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	6,000.00	220.00
tblConstructionPhase	NumDays	6,000.00	65.00

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblConstructionPhase	NumDays	6,000.00	68.00
tblConstructionPhase	NumDays	155,000.00	230.00
tblConstructionPhase	NumDays	155,000.00	200.00
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	LightingElect	1.60	0.00
tblEnergyUse	NT24E	1.36	123.60
tblEnergyUse	T24E	0.23	0.00
tblEnergyUse	T24NG	0.49	0.00
tblGrading	MaterialExported	0.00	250,000.00
tblLandscapeEquipment	NumberSummerDays	250	0
tblLandUse	LandUseSquareFeet	0.00	1.00
tblLandUse	LotAcreage	0.23	2,555.00
tblOffRoadEquipment	HorsePower	85.00	950.00
tblOffRoadEquipment	HorsePower	158.00	172.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	300.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	200.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	168.00	350.00
tblOffRoadEquipment	HorsePower	168.00	160.00
tblOffRoadEquipment	HorsePower	168.00	790.00
tblOffRoadEquipment	HorsePower	168.00	755.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripNumber	31,250.00	5,302.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,292.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,350.00
tblTripsAndVMT	HaulingTripNumber	0.00	4,582.00
tblTripsAndVMT	HaulingTripNumber	0.00	2,184.00
tblTripsAndVMT	HaulingTripNumber	0.00	3,994.00
tblTripsAndVMT	HaulingTripNumber	0.00	438.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,258.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripNumber	0.00	16.00
tblTripsAndVMT	VendorTripNumber	0.00	16.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tbITripsAndVMT	VendorTripNumber	2.00	4.00
tbITripsAndVMT	VendorTripNumber	0.00	2.00
tbITripsAndVMT	VendorTripNumber	2.00	40.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripNumber	33.00	50.00
tbITripsAndVMT	WorkerTripNumber	8.00	74.00
tbITripsAndVMT	WorkerTripNumber	4.00	100.00
tbITripsAndVMT	WorkerTripNumber	15.00	100.00
tbITripsAndVMT	WorkerTripNumber	4.00	476.00
tbITripsAndVMT	WorkerTripNumber	5.00	16.00
tbITripsAndVMT	WorkerTripNumber	15.00	26.00
tbIVehicleTrips	CC_TL	7.50	5.00
tbIVehicleTrips	CC_TL	7.50	5.00
tbIVehicleTrips	CNW_TL	8.50	6.50
tbIVehicleTrips	CNW_TL	8.50	6.50
tbIVehicleTrips	CW_TL	15.00	10.00
tbIVehicleTrips	CW_TL	15.00	10.00
tbIVehicleTrips	CW_TTP	0.00	100.00
tbIVehicleTrips	DV_TP	5.00	0.00
tbIVehicleTrips	PB_TP	3.00	0.00



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	1.74	2.00
tblVehicleTrips	SU_TR	1.74	2.00
tblVehicleTrips	WD_TR	1.74	2.00
tblVehicleTrips	WD_TR	0.00	32.00
tblWater	IndoorWaterUseRate	2,312,500.00	0.00
tblWater	OutdoorWaterUseRate	0.00	716,873.00
tblWater	OutdoorWaterUseRate	0.00	82,440,413.00

**2.0 Emissions Summary**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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					
2024	1.2010	10.8989	11.7775	0.0355	23.6863	0.3778	24.0641	2.7878	0.3490	3.1368	0.0000	3,212.694 2	3,212.694 2	0.6858	0.1260	3,267.378 9
2025	0.6449	5.3745	8.8220	0.0205	25.1552	0.1872	25.3424	2.6331	0.1740	2.8071	0.0000	1,860.897 0	1,860.897 0	0.3228	0.0734	1,890.840 3
<b>Maximum</b>	<b>1.2010</b>	<b>10.8989</b>	<b>11.7775</b>	<b>0.0355</b>	<b>25.1552</b>	<b>0.3778</b>	<b>25.3424</b>	<b>2.7878</b>	<b>0.3490</b>	<b>3.1368</b>	<b>0.0000</b>	<b>3,212.694 2</b>	<b>3,212.694 2</b>	<b>0.6858</b>	<b>0.1260</b>	<b>3,267.378 9</b>

**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					
2024	0.4697	3.3385	15.0692	0.0355	4.5937	0.0541	4.6477	0.6939	0.0533	0.7472	0.0000	3,212.691 7	3,212.691 7	0.6858	0.1260	3,267.376 4
2025	0.3116	1.7298	9.9432	0.0205	4.6517	0.0287	4.6803	0.5826	0.0281	0.6107	0.0000	1,860.895 8	1,860.895 8	0.3228	0.0734	1,890.839 0
<b>Maximum</b>	<b>0.4697</b>	<b>3.3385</b>	<b>15.0692</b>	<b>0.0355</b>	<b>4.6517</b>	<b>0.0541</b>	<b>4.6803</b>	<b>0.6939</b>	<b>0.0533</b>	<b>0.7472</b>	<b>0.0000</b>	<b>3,212.691 7</b>	<b>3,212.691 7</b>	<b>0.6858</b>	<b>0.1260</b>	<b>3,267.376 4</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	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	57.68	68.86	-21.42	0.00	81.07	85.36	81.12	76.45	84.43	77.16	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2024	3-31-2024	1.0122	0.3932
2	4-1-2024	6-30-2024	2.6287	0.9166
3	7-1-2024	9-30-2024	2.8316	0.7745
4	10-1-2024	12-31-2024	5.6463	1.7253
5	1-1-2025	3-31-2025	2.9085	0.9731
6	4-1-2025	6-30-2025	2.7460	0.8997
7	7-1-2025	9-30-2025	0.3341	0.1555
		Highest	5.6463	1.7253

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	200.6980	200.6980	0.0185	2.2400e-003	201.8288
Mobile	0.0228	0.0318	0.2271	5.0000e-004	0.0539	3.9000e-004	0.0543	0.0144	3.6000e-004	0.0148	0.0000	46.5080	46.5080	2.9600e-003	2.2100e-003	47.2404
Stationary	0.1641	0.7339	0.4184	7.9000e-004		0.0241	0.0241		0.0241	0.0241	0.0000	76.1594	76.1594	0.0107	0.0000	76.4264
Waste						0.0000	0.0000		0.0000	0.0000	1.9081	0.0000	1.9081	0.1128	0.0000	4.7273
Water						0.0000	0.0000		0.0000	0.0000	0.0000	47.2599	47.2599	4.3600e-003	5.3000e-004	47.5262
<b>Total</b>	<b>0.1869</b>	<b>0.7657</b>	<b>0.6455</b>	<b>1.2900e-003</b>	<b>0.0539</b>	<b>0.0245</b>	<b>0.0785</b>	<b>0.0144</b>	<b>0.0245</b>	<b>0.0389</b>	<b>1.9081</b>	<b>370.6253</b>	<b>372.5334</b>	<b>0.1493</b>	<b>4.9800e-003</b>	<b>377.7490</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**2.2 Overall Operational**

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	200.6980	200.6980	0.0185	2.2400e-003	201.8288
Mobile	0.0228	0.0318	0.2271	5.0000e-004	0.0539	3.9000e-004	0.0543	0.0144	3.6000e-004	0.0148	0.0000	46.5080	46.5080	2.9600e-003	2.2100e-003	47.2404
Stationary	0.1641	0.7339	0.4184	7.9000e-004		0.0241	0.0241		0.0241	0.0241	0.0000	76.1594	76.1594	0.0107	0.0000	76.4264
Waste						0.0000	0.0000		0.0000	0.0000	1.9081	0.0000	1.9081	0.1128	0.0000	4.7273
Water						0.0000	0.0000		0.0000	0.0000	0.0000	47.2599	47.2599	4.3600e-003	5.3000e-004	47.5262
<b>Total</b>	<b>0.1869</b>	<b>0.7657</b>	<b>0.6455</b>	<b>1.2900e-003</b>	<b>0.0539</b>	<b>0.0245</b>	<b>0.0785</b>	<b>0.0144</b>	<b>0.0245</b>	<b>0.0389</b>	<b>1.9081</b>	<b>370.6253</b>	<b>372.5334</b>	<b>0.1493</b>	<b>4.9800e-003</b>	<b>377.7490</b>

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

**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	3/1/2024	1/2/2025	5	220	
2	Perimeter Fence Installation	Site Preparation	3/1/2024	5/30/2024	5	65	

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

3	Tree Removal	Site Preparation	3/1/2024	6/4/2024	5	68
4	Energy Storage System	Building Construction	8/1/2024	6/18/2025	5	230
5	Underground Work (Utilities)	Trenching	9/1/2024	1/31/2025	5	110
6	System Installation	Building Construction	9/25/2024	7/1/2025	5	200
7	Gen-Tie Construction	Trenching	10/1/2024	10/30/2024	5	22
8	Testing, Commissioning, Site Clean Up	Trenching	6/1/2025	8/27/2025	5	63

**Acres of Grading (Site Preparation Phase): 550**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	2	8.00	187	0.41
Site Preparation	Off-Highway Trucks	6	8.00	402	0.38
Site Preparation	Rollers	2	8.00	80	0.38
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Perimeter Fence Installation	Off-Highway Trucks	1	8.00	150	0.38
Perimeter Fence Installation	Rough Terrain Forklifts	1	8.00	100	0.40
Perimeter Fence Installation	Rubber Tired Dozers	0	0.00	247	0.40
Perimeter Fence Installation	Skid Steer Loaders	1	8.00	65	0.37
Perimeter Fence Installation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Tree Removal	Crushing/Proc. Equipment	1	8.00	950	0.78
Tree Removal	Excavators	3	8.00	172	0.38
Tree Removal	Other Material Handling Equipment	1	8.00	350	0.40

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Tree Removal	Other Material Handling Equipment	1	8.00	160	0.40
Tree Removal	Other Material Handling Equipment	1	8.00	790	0.40
Tree Removal	Other Material Handling Equipment	1	8.00	755	0.40
Tree Removal	Rubber Tired Dozers	0	8.00	247	0.40
Tree Removal	Skid Steer Loaders	4	8.00	65	0.37
Tree Removal	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Energy Storage System	Cranes	1	8.00	231	0.29
Energy Storage System	Forklifts	0	0.00	89	0.20
Energy Storage System	Generator Sets	0	0.00	84	0.74
Energy Storage System	Graders	0	8.00	187	0.41
Energy Storage System	Off-Highway Trucks	5	8.00	150	0.38
Energy Storage System	Rough Terrain Forklifts	4	8.00	100	0.40
Energy Storage System	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Energy Storage System	Welders	0	0.00	46	0.45
Underground Work (Utilities)	Cranes	0	0.00	231	0.29
Underground Work (Utilities)	Excavators	2	8.00	158	0.38
Underground Work (Utilities)	Off-Highway Trucks	1	8.00	300	0.38
Underground Work (Utilities)	Other Construction Equipment	1	8.00	172	0.42
Underground Work (Utilities)	Rollers	1	8.00	80	0.38
Underground Work (Utilities)	Rough Terrain Forklifts	1	8.00	100	0.40
System Installation	Cranes	1	8.00	231	0.29
System Installation	Forklifts	0	0.00	89	0.20
System Installation	Generator Sets	3	8.00	84	0.74
System Installation	Off-Highway Trucks	5	8.00	150	0.38
System Installation	Other Construction Equipment	5	8.00	172	0.42
System Installation	Rough Terrain Forklifts	10	8.00	100	0.40
System Installation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
System Installation	Welders	0	0.00	46	0.45
Gen-Tie Construction	Off-Highway Trucks	2	8.00	200	0.38

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Testing, Commissioning, Site Clean Up	Graders	1	8.00	187	0.41
Testing, Commissioning, Site Clean Up	Off-Highway Trucks	4	8.00	150	0.38
Testing, Commissioning, Site Clean Up	Skid Steer Loaders	1	8.00	65	0.37

**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	13	50.00	16.00	5,302.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
Perimeter Fence Installation	3	74.00	16.00	1,292.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
Tree Removal	12	30.00	4.00	1,350.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
Energy Storage System	11	100.00	4.00	4,582.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
Underground Work (Utilities)	6	100.00	2.00	2,184.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
System Installation	24	476.00	40.00	3,994.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
Gen-Tie Construction	2	16.00	4.00	438.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
Testing, Commissioning, Site Clean Up	6	26.00	4.00	1,258.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 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					
Fugitive Dust					0.9739	0.0000	0.9739	0.3962	0.0000	0.3962	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.6084	5.1883	4.1254	0.0136		0.2007	0.2007		0.1847	0.1847	0.0000	1,193.4458	1,193.4458	0.3860	0.0000	1,203.0954
<b>Total</b>	<b>0.6084</b>	<b>5.1883</b>	<b>4.1254</b>	<b>0.0136</b>	<b>0.9739</b>	<b>0.2007</b>	<b>1.1746</b>	<b>0.3962</b>	<b>0.1847</b>	<b>0.5809</b>	<b>0.0000</b>	<b>1,193.4458</b>	<b>1,193.4458</b>	<b>0.3860</b>	<b>0.0000</b>	<b>1,203.0954</b>

**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	8.0500e-003	0.5133	0.0979	2.0800e-003	0.0577	3.9000e-003	0.0616	0.0159	3.7300e-003	0.0196	0.0000	206.0522	206.0522	8.2100e-003	0.0327	215.9947
Vendor	4.3500e-003	0.2063	0.0424	9.4000e-004	0.0313	1.3300e-003	0.0327	9.0400e-003	1.2700e-003	0.0103	0.0000	91.9737	91.9737	2.2100e-003	0.0135	96.0393
Worker	0.0226	0.0145	0.2065	6.6000e-004	3.4513	3.8000e-004	3.4517	0.3574	3.5000e-004	0.3578	0.0000	60.4252	60.4252	1.2200e-003	1.4100e-003	60.8758
<b>Total</b>	<b>0.0350</b>	<b>0.7341</b>	<b>0.3468</b>	<b>3.6800e-003</b>	<b>3.5404</b>	<b>5.6100e-003</b>	<b>3.5460</b>	<b>0.3823</b>	<b>5.3500e-003</b>	<b>0.3877</b>	<b>0.0000</b>	<b>358.4510</b>	<b>358.4510</b>	<b>0.0116</b>	<b>0.0476</b>	<b>372.9098</b>

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**3.2 Site Preparation - 2024**

**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					0.3608	0.0000	0.3608	0.1468	0.0000	0.1468	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1663	0.7205	6.3756	0.0136		0.0222	0.0222		0.0222	0.0222	0.0000	1,193.4443	1,193.4443	0.3860	0.0000	1,203.0939
<b>Total</b>	<b>0.1663</b>	<b>0.7205</b>	<b>6.3756</b>	<b>0.0136</b>	<b>0.3608</b>	<b>0.0222</b>	<b>0.3830</b>	<b>0.1468</b>	<b>0.0222</b>	<b>0.1690</b>	<b>0.0000</b>	<b>1,193.4443</b>	<b>1,193.4443</b>	<b>0.3860</b>	<b>0.0000</b>	<b>1,203.0939</b>

**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	8.0500e-003	0.5133	0.0979	2.0800e-003	0.0577	3.9000e-003	0.0616	0.0159	3.7300e-003	0.0196	0.0000	206.0522	206.0522	8.2100e-003	0.0327	215.9947
Vendor	4.3500e-003	0.2063	0.0424	9.4000e-004	0.0313	1.3300e-003	0.0327	9.0400e-003	1.2700e-003	0.0103	0.0000	91.9737	91.9737	2.2100e-003	0.0135	96.0393
Worker	0.0226	0.0145	0.2065	6.6000e-004	0.6152	3.8000e-004	0.6156	0.0744	3.5000e-004	0.0747	0.0000	60.4252	60.4252	1.2200e-003	1.4100e-003	60.8758
<b>Total</b>	<b>0.0350</b>	<b>0.7341</b>	<b>0.3468</b>	<b>3.6800e-003</b>	<b>0.7043</b>	<b>5.6100e-003</b>	<b>0.7099</b>	<b>0.0993</b>	<b>5.3500e-003</b>	<b>0.1046</b>	<b>0.0000</b>	<b>358.4510</b>	<b>358.4510</b>	<b>0.0116</b>	<b>0.0476</b>	<b>372.9098</b>

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**3.2 Site Preparation - 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					
Fugitive Dust					0.3235	0.0000	0.3235	0.0387	0.0000	0.0387	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.2100e-003	0.0413	0.0366	1.2000e-004		1.5800e-003	1.5800e-003		1.4500e-003	1.4500e-003	0.0000	10.9441	10.9441	3.5400e-003	0.0000	11.0326
<b>Total</b>	<b>5.2100e-003</b>	<b>0.0413</b>	<b>0.0366</b>	<b>1.2000e-004</b>	<b>0.3235</b>	<b>1.5800e-003</b>	<b>0.3251</b>	<b>0.0387</b>	<b>1.4500e-003</b>	<b>0.0402</b>	<b>0.0000</b>	<b>10.9441</b>	<b>10.9441</b>	<b>3.5400e-003</b>	<b>0.0000</b>	<b>11.0326</b>

**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	7.0000e-005	4.5800e-003	9.0000e-004	2.0000e-005	5.3000e-004	4.0000e-005	5.6000e-004	1.5000e-004	3.0000e-005	1.8000e-004	0.0000	1.8508	1.8508	7.0000e-005	2.9000e-004	1.9401
Vendor	4.0000e-005	1.8500e-003	3.8000e-004	1.0000e-005	2.9000e-004	1.0000e-005	3.0000e-004	8.0000e-005	1.0000e-005	9.0000e-005	0.0000	0.8268	0.8268	2.0000e-005	1.2000e-004	0.8634
Worker	1.9000e-004	1.2000e-004	1.7600e-003	1.0000e-005	0.0317	0.0000	0.0317	3.2800e-003	0.0000	3.2800e-003	0.0000	0.5356	0.5356	1.0000e-005	1.0000e-005	0.5395
<b>Total</b>	<b>3.0000e-004</b>	<b>6.5500e-003</b>	<b>3.0400e-003</b>	<b>4.0000e-005</b>	<b>0.0325</b>	<b>5.0000e-005</b>	<b>0.0325</b>	<b>3.5100e-003</b>	<b>4.0000e-005</b>	<b>3.5500e-003</b>	<b>0.0000</b>	<b>3.2132</b>	<b>3.2132</b>	<b>1.0000e-004</b>	<b>4.2000e-004</b>	<b>3.3430</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2025**

**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					0.1199	0.0000	0.1199	0.0143	0.0000	0.0143	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5300e-003	6.6100e-003	0.0585	1.2000e-004		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	10.9441	10.9441	3.5400e-003	0.0000	11.0326
<b>Total</b>	<b>1.5300e-003</b>	<b>6.6100e-003</b>	<b>0.0585</b>	<b>1.2000e-004</b>	<b>0.1199</b>	<b>2.0000e-004</b>	<b>0.1201</b>	<b>0.0143</b>	<b>2.0000e-004</b>	<b>0.0145</b>	<b>0.0000</b>	<b>10.9441</b>	<b>10.9441</b>	<b>3.5400e-003</b>	<b>0.0000</b>	<b>11.0326</b>

**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	7.0000e-005	4.5800e-003	9.0000e-004	2.0000e-005	5.3000e-004	4.0000e-005	5.6000e-004	1.5000e-004	3.0000e-005	1.8000e-004	0.0000	1.8508	1.8508	7.0000e-005	2.9000e-004	1.9401
Vendor	4.0000e-005	1.8500e-003	3.8000e-004	1.0000e-005	2.9000e-004	1.0000e-005	3.0000e-004	8.0000e-005	1.0000e-005	9.0000e-005	0.0000	0.8268	0.8268	2.0000e-005	1.2000e-004	0.8634
Worker	1.9000e-004	1.2000e-004	1.7600e-003	1.0000e-005	5.6400e-003	0.0000	5.6500e-003	6.8000e-004	0.0000	6.9000e-004	0.0000	0.5356	0.5356	1.0000e-005	1.0000e-005	0.5395
<b>Total</b>	<b>3.0000e-004</b>	<b>6.5500e-003</b>	<b>3.0400e-003</b>	<b>4.0000e-005</b>	<b>6.4600e-003</b>	<b>5.0000e-005</b>	<b>6.5100e-003</b>	<b>9.1000e-004</b>	<b>4.0000e-005</b>	<b>9.6000e-004</b>	<b>0.0000</b>	<b>3.2132</b>	<b>3.2132</b>	<b>1.0000e-004</b>	<b>4.2000e-004</b>	<b>3.3430</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Perimeter Fence Installation - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0127	0.1196	0.2280	3.4000e-004		4.4900e-003	4.4900e-003		4.1300e-003	4.1300e-003	0.0000	29.6918	29.6918	9.6000e-003	0.0000	29.9318
<b>Total</b>	<b>0.0127</b>	<b>0.1196</b>	<b>0.2280</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>4.4900e-003</b>	<b>4.4900e-003</b>	<b>0.0000</b>	<b>4.1300e-003</b>	<b>4.1300e-003</b>	<b>0.0000</b>	<b>29.6918</b>	<b>29.6918</b>	<b>9.6000e-003</b>	<b>0.0000</b>	<b>29.9318</b>

**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	1.9800e-003	0.1262	0.0241	5.1000e-004	0.0142	9.6000e-004	0.0152	3.9000e-003	9.2000e-004	4.8200e-003	0.0000	50.6718	50.6718	2.0200e-003	8.0400e-003	53.1168
Vendor	1.3000e-003	0.0615	0.0127	2.8000e-004	9.3400e-003	4.0000e-004	9.7300e-003	2.7000e-003	3.8000e-004	3.0800e-003	0.0000	27.4233	27.4233	6.6000e-004	4.0100e-003	28.6356
Worker	9.9500e-003	6.4100e-003	0.0911	2.9000e-004	1.5230	1.7000e-004	1.5232	0.1577	1.5000e-004	0.1579	0.0000	26.6647	26.6647	5.4000e-004	6.2000e-004	26.8635
<b>Total</b>	<b>0.0132</b>	<b>0.1941</b>	<b>0.1278</b>	<b>1.0800e-003</b>	<b>1.5466</b>	<b>1.5300e-003</b>	<b>1.5481</b>	<b>0.1643</b>	<b>1.4500e-003</b>	<b>0.1658</b>	<b>0.0000</b>	<b>104.7598</b>	<b>104.7598</b>	<b>3.2200e-003</b>	<b>0.0127</b>	<b>108.6159</b>

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**3.3 Perimeter Fence Installation - 2024**

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.9900e-003	0.0522	0.2567	3.4000e-004		5.6000e-004	5.6000e-004		5.6000e-004	5.6000e-004	0.0000	29.6917	29.6917	9.6000e-003	0.0000	29.9318
<b>Total</b>	<b>4.9900e-003</b>	<b>0.0522</b>	<b>0.2567</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>5.6000e-004</b>	<b>5.6000e-004</b>	<b>0.0000</b>	<b>5.6000e-004</b>	<b>5.6000e-004</b>	<b>0.0000</b>	<b>29.6917</b>	<b>29.6917</b>	<b>9.6000e-003</b>	<b>0.0000</b>	<b>29.9318</b>

**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	1.9800e-003	0.1262	0.0241	5.1000e-004	0.0142	9.6000e-004	0.0152	3.9000e-003	9.2000e-004	4.8200e-003	0.0000	50.6718	50.6718	2.0200e-003	8.0400e-003	53.1168
Vendor	1.3000e-003	0.0615	0.0127	2.8000e-004	9.3400e-003	4.0000e-004	9.7300e-003	2.7000e-003	3.8000e-004	3.0800e-003	0.0000	27.4233	27.4233	6.6000e-004	4.0100e-003	28.6356
Worker	9.9500e-003	6.4100e-003	0.0911	2.9000e-004	0.2715	1.7000e-004	0.2717	0.0328	1.5000e-004	0.0330	0.0000	26.6647	26.6647	5.4000e-004	6.2000e-004	26.8635
<b>Total</b>	<b>0.0132</b>	<b>0.1941</b>	<b>0.1278</b>	<b>1.0800e-003</b>	<b>0.2950</b>	<b>1.5300e-003</b>	<b>0.2965</b>	<b>0.0394</b>	<b>1.4500e-003</b>	<b>0.0409</b>	<b>0.0000</b>	<b>104.7598</b>	<b>104.7598</b>	<b>3.2200e-003</b>	<b>0.0127</b>	<b>108.6159</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Tree Removal - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0543	0.4785	0.7789	1.4500e-003		0.0207	0.0207		0.0191	0.0191	0.0000	127.3967	127.3967	0.0412	0.0000	128.4268
<b>Total</b>	<b>0.0543</b>	<b>0.4785</b>	<b>0.7789</b>	<b>1.4500e-003</b>	<b>0.0000</b>	<b>0.0207</b>	<b>0.0207</b>	<b>0.0000</b>	<b>0.0191</b>	<b>0.0191</b>	<b>0.0000</b>	<b>127.3967</b>	<b>127.3967</b>	<b>0.0412</b>	<b>0.0000</b>	<b>128.4268</b>

**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	2.0700e-003	0.1319	0.0252	5.3000e-004	0.0148	1.0000e-003	0.0158	4.0700e-003	9.6000e-004	5.0300e-003	0.0000	52.9465	52.9465	2.1100e-003	8.4000e-003	55.5013
Vendor	3.4000e-004	0.0161	3.3100e-003	7.0000e-005	2.4400e-003	1.0000e-004	2.5500e-003	7.1000e-004	1.0000e-004	8.0000e-004	0.0000	7.1723	7.1723	1.7000e-004	1.0500e-003	7.4893
Worker	4.2200e-003	2.7200e-003	0.0386	1.2000e-004	0.6459	7.0000e-005	0.6460	0.0669	7.0000e-005	0.0670	0.0000	11.3089	11.3089	2.3000e-004	2.6000e-004	11.3933
<b>Total</b>	<b>6.6300e-003</b>	<b>0.1507</b>	<b>0.0671</b>	<b>7.2000e-004</b>	<b>0.6632</b>	<b>1.1700e-003</b>	<b>0.6644</b>	<b>0.0717</b>	<b>1.1300e-003</b>	<b>0.0728</b>	<b>0.0000</b>	<b>71.4277</b>	<b>71.4277</b>	<b>2.5100e-003</b>	<b>9.7100e-003</b>	<b>74.3839</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Tree Removal - 2024**

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0213	0.2204	0.9752	1.4500e-003		2.3800e-003	2.3800e-003		2.3800e-003	2.3800e-003	0.0000	127.3966	127.3966	0.0412	0.0000	128.4267
<b>Total</b>	<b>0.0213</b>	<b>0.2204</b>	<b>0.9752</b>	<b>1.4500e-003</b>	<b>0.0000</b>	<b>2.3800e-003</b>	<b>2.3800e-003</b>	<b>0.0000</b>	<b>2.3800e-003</b>	<b>2.3800e-003</b>	<b>0.0000</b>	<b>127.3966</b>	<b>127.3966</b>	<b>0.0412</b>	<b>0.0000</b>	<b>128.4267</b>

**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	2.0700e-003	0.1319	0.0252	5.3000e-004	0.0148	1.0000e-003	0.0158	4.0700e-003	9.6000e-004	5.0300e-003	0.0000	52.9465	52.9465	2.1100e-003	8.4000e-003	55.5013
Vendor	3.4000e-004	0.0161	3.3100e-003	7.0000e-005	2.4400e-003	1.0000e-004	2.5500e-003	7.1000e-004	1.0000e-004	8.0000e-004	0.0000	7.1723	7.1723	1.7000e-004	1.0500e-003	7.4893
Worker	4.2200e-003	2.7200e-003	0.0386	1.2000e-004	0.1151	7.0000e-005	0.1152	0.0139	7.0000e-005	0.0140	0.0000	11.3089	11.3089	2.3000e-004	2.6000e-004	11.3933
<b>Total</b>	<b>6.6300e-003</b>	<b>0.1507</b>	<b>0.0671</b>	<b>7.2000e-004</b>	<b>0.1324</b>	<b>1.1700e-003</b>	<b>0.1336</b>	<b>0.0187</b>	<b>1.1300e-003</b>	<b>0.0198</b>	<b>0.0000</b>	<b>71.4277</b>	<b>71.4277</b>	<b>2.5100e-003</b>	<b>9.7100e-003</b>	<b>74.3839</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 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	0.1096	0.9736	1.6284	2.5700e-003		0.0397	0.0397		0.0365	0.0365	0.0000	225.4199	225.4199	0.0729	0.0000	227.2425
<b>Total</b>	<b>0.1096</b>	<b>0.9736</b>	<b>1.6284</b>	<b>2.5700e-003</b>		<b>0.0397</b>	<b>0.0397</b>		<b>0.0365</b>	<b>0.0365</b>	<b>0.0000</b>	<b>225.4199</b>	<b>225.4199</b>	<b>0.0729</b>	<b>0.0000</b>	<b>227.2425</b>

**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	3.3300e-003	0.2121	0.0405	8.6000e-004	0.0239	1.6100e-003	0.0255	6.5500e-003	1.5400e-003	8.1000e-003	0.0000	85.1643	85.1643	3.3900e-003	0.0135	89.2736
Vendor	5.4000e-004	0.0258	5.3000e-003	1.2000e-004	3.9100e-003	1.7000e-004	4.0800e-003	1.1300e-003	1.6000e-004	1.2900e-003	0.0000	11.4967	11.4967	2.8000e-004	1.6800e-003	12.0049
Worker	0.0226	0.0145	0.2065	6.6000e-004	3.4513	3.8000e-004	3.4517	0.3574	3.5000e-004	0.3578	0.0000	60.4252	60.4252	1.2200e-003	1.4100e-003	60.8758
<b>Total</b>	<b>0.0264</b>	<b>0.2524</b>	<b>0.2522</b>	<b>1.6400e-003</b>	<b>3.4791</b>	<b>2.1600e-003</b>	<b>3.4813</b>	<b>0.3651</b>	<b>2.0500e-003</b>	<b>0.3672</b>	<b>0.0000</b>	<b>157.0862</b>	<b>157.0862</b>	<b>4.8900e-003</b>	<b>0.0166</b>	<b>162.1543</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2024**

**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	0.0316	0.1369	1.8519	2.5700e-003		4.2100e-003	4.2100e-003		4.2100e-003	4.2100e-003	0.0000	225.4196	225.4196	0.0729	0.0000	227.2422
<b>Total</b>	<b>0.0316</b>	<b>0.1369</b>	<b>1.8519</b>	<b>2.5700e-003</b>		<b>4.2100e-003</b>	<b>4.2100e-003</b>		<b>4.2100e-003</b>	<b>4.2100e-003</b>	<b>0.0000</b>	<b>225.4196</b>	<b>225.4196</b>	<b>0.0729</b>	<b>0.0000</b>	<b>227.2422</b>

**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	3.3300e-003	0.2121	0.0405	8.6000e-004	0.0239	1.6100e-003	0.0255	6.5500e-003	1.5400e-003	8.1000e-003	0.0000	85.1643	85.1643	3.3900e-003	0.0135	89.2736
Vendor	5.4000e-004	0.0258	5.3000e-003	1.2000e-004	3.9100e-003	1.7000e-004	4.0800e-003	1.1300e-003	1.6000e-004	1.2900e-003	0.0000	11.4967	11.4967	2.8000e-004	1.6800e-003	12.0049
Worker	0.0226	0.0145	0.2065	6.6000e-004	0.6152	3.8000e-004	0.6156	0.0744	3.5000e-004	0.0747	0.0000	60.4252	60.4252	1.2200e-003	1.4100e-003	60.8758
<b>Total</b>	<b>0.0264</b>	<b>0.2524</b>	<b>0.2522</b>	<b>1.6400e-003</b>	<b>0.6430</b>	<b>2.1600e-003</b>	<b>0.6451</b>	<b>0.0820</b>	<b>2.0500e-003</b>	<b>0.0841</b>	<b>0.0000</b>	<b>157.0862</b>	<b>157.0862</b>	<b>4.8900e-003</b>	<b>0.0166</b>	<b>162.1543</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 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	0.1154	0.9894	1.8050	2.8500e-003		0.0399	0.0399		0.0367	0.0367	0.0000	250.1777	250.1777	0.0809	0.0000	252.2005
<b>Total</b>	<b>0.1154</b>	<b>0.9894</b>	<b>1.8050</b>	<b>2.8500e-003</b>		<b>0.0399</b>	<b>0.0399</b>		<b>0.0367</b>	<b>0.0367</b>	<b>0.0000</b>	<b>250.1777</b>	<b>250.1777</b>	<b>0.0809</b>	<b>0.0000</b>	<b>252.2005</b>

**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	3.6000e-003	0.2290	0.0451	9.3000e-004	0.0265	1.7600e-003	0.0282	7.2700e-003	1.6800e-003	8.9500e-003	0.0000	92.5605	92.5605	3.7100e-003	0.0147	97.0277
Vendor	5.8000e-004	0.0280	5.6900e-003	1.3000e-004	4.3400e-003	1.8000e-004	4.5300e-003	1.2500e-003	1.7000e-004	1.4300e-003	0.0000	12.5052	12.5052	3.0000e-004	1.8300e-003	13.0590
Worker	0.0236	0.0144	0.2131	7.1000e-004	3.8313	4.0000e-004	3.8317	0.3968	3.7000e-004	0.3972	0.0000	64.8107	64.8107	1.2200e-003	1.4600e-003	65.2753
<b>Total</b>	<b>0.0278</b>	<b>0.2714</b>	<b>0.2639</b>	<b>1.7700e-003</b>	<b>3.8621</b>	<b>2.3400e-003</b>	<b>3.8645</b>	<b>0.4053</b>	<b>2.2200e-003</b>	<b>0.4075</b>	<b>0.0000</b>	<b>169.8763</b>	<b>169.8763</b>	<b>5.2300e-003</b>	<b>0.0180</b>	<b>175.3621</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2025**

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	0.0351	0.1520	2.0558	2.8500e-003		4.6800e-003	4.6800e-003		4.6800e-003	4.6800e-003	0.0000	250.1774	250.1774	0.0809	0.0000	252.2002
<b>Total</b>	<b>0.0351</b>	<b>0.1520</b>	<b>2.0558</b>	<b>2.8500e-003</b>		<b>4.6800e-003</b>	<b>4.6800e-003</b>		<b>4.6800e-003</b>	<b>4.6800e-003</b>	<b>0.0000</b>	<b>250.1774</b>	<b>250.1774</b>	<b>0.0809</b>	<b>0.0000</b>	<b>252.2002</b>

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	3.6000e-003	0.2290	0.0451	9.3000e-004	0.0265	1.7600e-003	0.0282	7.2700e-003	1.6800e-003	8.9500e-003	0.0000	92.5605	92.5605	3.7100e-003	0.0147	97.0277
Vendor	5.8000e-004	0.0280	5.6900e-003	1.3000e-004	4.3400e-003	1.8000e-004	4.5300e-003	1.2500e-003	1.7000e-004	1.4300e-003	0.0000	12.5052	12.5052	3.0000e-004	1.8300e-003	13.0590
Worker	0.0236	0.0144	0.2131	7.1000e-004	0.6829	4.0000e-004	0.6833	0.0825	3.7000e-004	0.0829	0.0000	64.8107	64.8107	1.2200e-003	1.4600e-003	65.2753
<b>Total</b>	<b>0.0278</b>	<b>0.2714</b>	<b>0.2639</b>	<b>1.7700e-003</b>	<b>0.7138</b>	<b>2.3400e-003</b>	<b>0.7161</b>	<b>0.0911</b>	<b>2.2200e-003</b>	<b>0.0933</b>	<b>0.0000</b>	<b>169.8763</b>	<b>169.8763</b>	<b>5.2300e-003</b>	<b>0.0180</b>	<b>175.3621</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 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	0.0571	0.4948	0.7442	1.4100e-003		0.0224	0.0224		0.0206	0.0206	0.0000	123.9969	123.9969	0.0401	0.0000	124.9995
<b>Total</b>	<b>0.0571</b>	<b>0.4948</b>	<b>0.7442</b>	<b>1.4100e-003</b>		<b>0.0224</b>	<b>0.0224</b>		<b>0.0206</b>	<b>0.0206</b>	<b>0.0000</b>	<b>123.9969</b>	<b>123.9969</b>	<b>0.0401</b>	<b>0.0000</b>	<b>124.9995</b>

**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	2.6500e-003	0.1688	0.0322	6.8000e-004	0.0190	1.2800e-003	0.0203	5.2100e-003	1.2300e-003	6.4400e-003	0.0000	67.7459	67.7459	2.7000e-003	0.0107	71.0148
Vendor	2.2000e-004	0.0103	2.1200e-003	5.0000e-005	1.5600e-003	7.0000e-005	1.6300e-003	4.5000e-004	6.0000e-005	5.1000e-004	0.0000	4.5881	4.5881	1.1000e-004	6.7000e-004	4.7910
Worker	0.0180	0.0116	0.1648	5.3000e-004	2.7547	3.0000e-004	2.7550	0.2853	2.8000e-004	0.2856	0.0000	48.2293	48.2293	9.8000e-004	1.1300e-003	48.5889
<b>Total</b>	<b>0.0209</b>	<b>0.1906</b>	<b>0.1991</b>	<b>1.2600e-003</b>	<b>2.7753</b>	<b>1.6500e-003</b>	<b>2.7769</b>	<b>0.2910</b>	<b>1.5700e-003</b>	<b>0.2925</b>	<b>0.0000</b>	<b>120.5633</b>	<b>120.5633</b>	<b>3.7900e-003</b>	<b>0.0125</b>	<b>124.3947</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2024**

**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	0.0173	0.0752	0.9382	1.4100e-003		2.3100e-003	2.3100e-003		2.3100e-003	2.3100e-003	0.0000	123.9968	123.9968	0.0401	0.0000	124.9994
<b>Total</b>	<b>0.0173</b>	<b>0.0752</b>	<b>0.9382</b>	<b>1.4100e-003</b>		<b>2.3100e-003</b>	<b>2.3100e-003</b>		<b>2.3100e-003</b>	<b>2.3100e-003</b>	<b>0.0000</b>	<b>123.9968</b>	<b>123.9968</b>	<b>0.0401</b>	<b>0.0000</b>	<b>124.9994</b>

**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	2.6500e-003	0.1688	0.0322	6.8000e-004	0.0190	1.2800e-003	0.0203	5.2100e-003	1.2300e-003	6.4400e-003	0.0000	67.7459	67.7459	2.7000e-003	0.0107	71.0148
Vendor	2.2000e-004	0.0103	2.1200e-003	5.0000e-005	1.5600e-003	7.0000e-005	1.6300e-003	4.5000e-004	6.0000e-005	5.1000e-004	0.0000	4.5881	4.5881	1.1000e-004	6.7000e-004	4.7910
Worker	0.0180	0.0116	0.1648	5.3000e-004	0.4910	3.0000e-004	0.4913	0.0594	2.8000e-004	0.0596	0.0000	48.2293	48.2293	9.8000e-004	1.1300e-003	48.5889
<b>Total</b>	<b>0.0209</b>	<b>0.1906</b>	<b>0.1991</b>	<b>1.2600e-003</b>	<b>0.5116</b>	<b>1.6500e-003</b>	<b>0.5132</b>	<b>0.0650</b>	<b>1.5700e-003</b>	<b>0.0666</b>	<b>0.0000</b>	<b>120.5633</b>	<b>120.5633</b>	<b>3.7900e-003</b>	<b>0.0125</b>	<b>124.3947</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 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	0.0141	0.1158	0.1958	3.7000e-004		5.1500e-003	5.1500e-003		4.7400e-003	4.7400e-003	0.0000	32.7800	32.7800	0.0106	0.0000	33.0450
<b>Total</b>	<b>0.0141</b>	<b>0.1158</b>	<b>0.1958</b>	<b>3.7000e-004</b>		<b>5.1500e-003</b>	<b>5.1500e-003</b>		<b>4.7400e-003</b>	<b>4.7400e-003</b>	<b>0.0000</b>	<b>32.7800</b>	<b>32.7800</b>	<b>0.0106</b>	<b>0.0000</b>	<b>33.0450</b>

**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	6.8000e-004	0.0434	8.5500e-003	1.8000e-004	5.0200e-003	3.3000e-004	5.3500e-003	1.3800e-003	3.2000e-004	1.7000e-003	0.0000	17.5348	17.5348	7.0000e-004	2.7800e-003	18.3811
Vendor	5.0000e-005	2.6600e-003	5.4000e-004	1.0000e-005	4.1000e-004	2.0000e-005	4.3000e-004	1.2000e-004	2.0000e-005	1.4000e-004	0.0000	1.1885	1.1885	3.0000e-005	1.7000e-004	1.2412
Worker	4.4800e-003	2.7300e-003	0.0405	1.3000e-004	0.7283	8.0000e-005	0.7283	0.0754	7.0000e-005	0.0755	0.0000	12.3194	12.3194	2.3000e-004	2.8000e-004	12.4077
<b>Total</b>	<b>5.2100e-003</b>	<b>0.0488</b>	<b>0.0496</b>	<b>3.2000e-004</b>	<b>0.7337</b>	<b>4.3000e-004</b>	<b>0.7341</b>	<b>0.0769</b>	<b>4.1000e-004</b>	<b>0.0773</b>	<b>0.0000</b>	<b>31.0427</b>	<b>31.0427</b>	<b>9.6000e-004</b>	<b>3.2300e-003</b>	<b>32.0299</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2025**

**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	4.5800e-003	0.0199	0.2480	3.7000e-004		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	32.7799	32.7799	0.0106	0.0000	33.0450
<b>Total</b>	<b>4.5800e-003</b>	<b>0.0199</b>	<b>0.2480</b>	<b>3.7000e-004</b>		<b>6.1000e-004</b>	<b>6.1000e-004</b>		<b>6.1000e-004</b>	<b>6.1000e-004</b>	<b>0.0000</b>	<b>32.7799</b>	<b>32.7799</b>	<b>0.0106</b>	<b>0.0000</b>	<b>33.0450</b>

**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	6.8000e-004	0.0434	8.5500e-003	1.8000e-004	5.0200e-003	3.3000e-004	5.3500e-003	1.3800e-003	3.2000e-004	1.7000e-003	0.0000	17.5348	17.5348	7.0000e-004	2.7800e-003	18.3811
Vendor	5.0000e-005	2.6600e-003	5.4000e-004	1.0000e-005	4.1000e-004	2.0000e-005	4.3000e-004	1.2000e-004	2.0000e-005	1.4000e-004	0.0000	1.1885	1.1885	3.0000e-005	1.7000e-004	1.2412
Worker	4.4800e-003	2.7300e-003	0.0405	1.3000e-004	0.1298	8.0000e-005	0.1299	0.0157	7.0000e-005	0.0158	0.0000	12.3194	12.3194	2.3000e-004	2.8000e-004	12.4077
<b>Total</b>	<b>5.2100e-003</b>	<b>0.0488</b>	<b>0.0496</b>	<b>3.2000e-004</b>	<b>0.1353</b>	<b>4.3000e-004</b>	<b>0.1357</b>	<b>0.0172</b>	<b>4.1000e-004</b>	<b>0.0176</b>	<b>0.0000</b>	<b>31.0427</b>	<b>31.0427</b>	<b>9.6000e-004</b>	<b>3.2300e-003</b>	<b>32.0299</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 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	0.1749	1.6872	2.5352	4.0400e-003		0.0724	0.0724		0.0676	0.0676	0.0000	353.0857	353.0857	0.0974	0.0000	355.5208
<b>Total</b>	<b>0.1749</b>	<b>1.6872</b>	<b>2.5352</b>	<b>4.0400e-003</b>		<b>0.0724</b>	<b>0.0724</b>		<b>0.0676</b>	<b>0.0676</b>	<b>0.0000</b>	<b>353.0857</b>	<b>353.0857</b>	<b>0.0974</b>	<b>0.0000</b>	<b>355.5208</b>

**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	2.1400e-003	0.1366	0.0261	5.5000e-004	0.0154	1.0400e-003	0.0164	4.2200e-003	9.9000e-004	5.2100e-003	0.0000	54.8251	54.8251	2.1900e-003	8.6900e-003	57.4706
Vendor	3.5000e-003	0.1656	0.0341	7.6000e-004	0.0251	1.0700e-003	0.0262	7.2600e-003	1.0200e-003	8.2800e-003	0.0000	73.8321	73.8321	1.7800e-003	0.0108	77.0958
Worker	0.0690	0.0444	0.6311	2.0100e-003	10.5503	1.1600e-003	10.5515	1.0926	1.0700e-003	1.0937	0.0000	184.7126	184.7126	3.7400e-003	4.3100e-003	186.0900
<b>Total</b>	<b>0.0746</b>	<b>0.3466</b>	<b>0.6913</b>	<b>3.3200e-003</b>	<b>10.5908</b>	<b>3.2700e-003</b>	<b>10.5941</b>	<b>1.1041</b>	<b>3.0800e-003</b>	<b>1.1072</b>	<b>0.0000</b>	<b>313.3698</b>	<b>313.3698</b>	<b>7.7100e-003</b>	<b>0.0238</b>	<b>320.6564</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2024**

**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	0.0481	0.2086	2.9064	4.0400e-003		6.4200e-003	6.4200e-003		6.4200e-003	6.4200e-003	0.0000	353.0853	353.0853	0.0974	0.0000	355.5203
<b>Total</b>	<b>0.0481</b>	<b>0.2086</b>	<b>2.9064</b>	<b>4.0400e-003</b>		<b>6.4200e-003</b>	<b>6.4200e-003</b>		<b>6.4200e-003</b>	<b>6.4200e-003</b>	<b>0.0000</b>	<b>353.0853</b>	<b>353.0853</b>	<b>0.0974</b>	<b>0.0000</b>	<b>355.5203</b>

**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	2.1400e-003	0.1366	0.0261	5.5000e-004	0.0154	1.0400e-003	0.0164	4.2200e-003	9.9000e-004	5.2100e-003	0.0000	54.8251	54.8251	2.1900e-003	8.6900e-003	57.4706
Vendor	3.5000e-003	0.1656	0.0341	7.6000e-004	0.0251	1.0700e-003	0.0262	7.2600e-003	1.0200e-003	8.2800e-003	0.0000	73.8321	73.8321	1.7800e-003	0.0108	77.0958
Worker	0.0690	0.0444	0.6311	2.0100e-003	1.8806	1.1600e-003	1.8818	0.2273	1.0700e-003	0.2284	0.0000	184.7126	184.7126	3.7400e-003	4.3100e-003	186.0900
<b>Total</b>	<b>0.0746</b>	<b>0.3466</b>	<b>0.6913</b>	<b>3.3200e-003</b>	<b>1.9211</b>	<b>3.2700e-003</b>	<b>1.9244</b>	<b>0.2388</b>	<b>3.0800e-003</b>	<b>0.2419</b>	<b>0.0000</b>	<b>313.3698</b>	<b>313.3698</b>	<b>7.7100e-003</b>	<b>0.0238</b>	<b>320.6564</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 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	0.3023	2.8417	4.6981	7.5000e-003		0.1184	0.1184		0.1104	0.1104	0.0000	655.7556	655.7556	0.1805	0.0000	660.2684
<b>Total</b>	<b>0.3023</b>	<b>2.8417</b>	<b>4.6981</b>	<b>7.5000e-003</b>		<b>0.1184</b>	<b>0.1184</b>		<b>0.1104</b>	<b>0.1104</b>	<b>0.0000</b>	<b>655.7556</b>	<b>655.7556</b>	<b>0.1805</b>	<b>0.0000</b>	<b>660.2684</b>

**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	3.8800e-003	0.2467	0.0486	1.0100e-003	0.0285	1.8900e-003	0.0304	7.8300e-003	1.8100e-003	9.6400e-003	0.0000	99.6860	99.6860	3.9900e-003	0.0158	104.4972
Vendor	6.1900e-003	0.3006	0.0612	1.3800e-003	0.0467	1.9500e-003	0.0486	0.0135	1.8600e-003	0.0153	0.0000	134.3531	134.3531	3.2300e-003	0.0197	140.3034
Worker	0.1206	0.0734	1.0898	3.6100e-003	19.5935	2.0600e-003	19.5955	2.0292	1.9000e-003	2.0311	0.0000	331.4450	331.4450	6.2500e-003	7.4500e-003	333.8213
<b>Total</b>	<b>0.1306</b>	<b>0.6206</b>	<b>1.1995</b>	<b>6.0000e-003</b>	<b>19.6687</b>	<b>5.9000e-003</b>	<b>19.6746</b>	<b>2.0505</b>	<b>5.5700e-003</b>	<b>2.0561</b>	<b>0.0000</b>	<b>565.4842</b>	<b>565.4842</b>	<b>0.0135</b>	<b>0.0430</b>	<b>578.6219</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2025**

**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	0.0894	0.3874	5.3976	7.5000e-003		0.0119	0.0119		0.0119	0.0119	0.0000	655.7549	655.7549	0.1805	0.0000	660.2676
<b>Total</b>	<b>0.0894</b>	<b>0.3874</b>	<b>5.3976</b>	<b>7.5000e-003</b>		<b>0.0119</b>	<b>0.0119</b>		<b>0.0119</b>	<b>0.0119</b>	<b>0.0000</b>	<b>655.7549</b>	<b>655.7549</b>	<b>0.1805</b>	<b>0.0000</b>	<b>660.2676</b>

**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	3.8800e-003	0.2467	0.0486	1.0100e-003	0.0285	1.8900e-003	0.0304	7.8300e-003	1.8100e-003	9.6400e-003	0.0000	99.6860	99.6860	3.9900e-003	0.0158	104.4972
Vendor	6.1900e-003	0.3006	0.0612	1.3800e-003	0.0467	1.9500e-003	0.0486	0.0135	1.8600e-003	0.0153	0.0000	134.3531	134.3531	3.2300e-003	0.0197	140.3034
Worker	0.1206	0.0734	1.0898	3.6100e-003	3.4926	2.0600e-003	3.4947	0.4221	1.9000e-003	0.4240	0.0000	331.4450	331.4450	6.2500e-003	7.4500e-003	333.8213
<b>Total</b>	<b>0.1306</b>	<b>0.6206</b>	<b>1.1995</b>	<b>6.0000e-003</b>	<b>3.5678</b>	<b>5.9000e-003</b>	<b>3.5737</b>	<b>0.4434</b>	<b>5.5700e-003</b>	<b>0.4490</b>	<b>0.0000</b>	<b>565.4842</b>	<b>565.4842</b>	<b>0.0135</b>	<b>0.0430</b>	<b>578.6219</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.8 Gen-Tie 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	5.9600e-003	0.0400	0.0371	1.4000e-004		1.6000e-003	1.6000e-003		1.4700e-003	1.4700e-003	0.0000	12.5497	12.5497	4.0600e-003	0.0000	12.6512
<b>Total</b>	<b>5.9600e-003</b>	<b>0.0400</b>	<b>0.0371</b>	<b>1.4000e-004</b>		<b>1.6000e-003</b>	<b>1.6000e-003</b>		<b>1.4700e-003</b>	<b>1.4700e-003</b>	<b>0.0000</b>	<b>12.5497</b>	<b>12.5497</b>	<b>4.0600e-003</b>	<b>0.0000</b>	<b>12.6512</b>

**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	6.7000e-004	0.0428	8.1600e-003	1.7000e-004	4.8100e-003	3.3000e-004	5.1400e-003	1.3200e-003	3.1000e-004	1.6300e-003	0.0000	17.1782	17.1782	6.8000e-004	2.7200e-003	18.0071
Vendor	1.1000e-004	5.2000e-003	1.0700e-003	2.0000e-005	7.9000e-004	3.0000e-005	8.2000e-004	2.3000e-004	3.0000e-005	2.6000e-004	0.0000	2.3204	2.3204	6.0000e-005	3.4000e-004	2.4230
Worker	7.3000e-004	4.7000e-004	6.6700e-003	2.0000e-005	0.1115	1.0000e-005	0.1115	0.0115	1.0000e-005	0.0116	0.0000	1.9514	1.9514	4.0000e-005	5.0000e-005	1.9659
<b>Total</b>	<b>1.5100e-003</b>	<b>0.0485</b>	<b>0.0159</b>	<b>2.1000e-004</b>	<b>0.1171</b>	<b>3.7000e-004</b>	<b>0.1174</b>	<b>0.0131</b>	<b>3.5000e-004</b>	<b>0.0134</b>	<b>0.0000</b>	<b>21.4500</b>	<b>21.4500</b>	<b>7.8000e-004</b>	<b>3.1100e-003</b>	<b>22.3960</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.8 Gen-Tie Construction - 2024**

**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	1.7700e-003	7.6700e-003	0.0649	1.4000e-004		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	12.5497	12.5497	4.0600e-003	0.0000	12.6512
<b>Total</b>	<b>1.7700e-003</b>	<b>7.6700e-003</b>	<b>0.0649</b>	<b>1.4000e-004</b>		<b>2.4000e-004</b>	<b>2.4000e-004</b>		<b>2.4000e-004</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>12.5497</b>	<b>12.5497</b>	<b>4.0600e-003</b>	<b>0.0000</b>	<b>12.6512</b>

**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	6.7000e-004	0.0428	8.1600e-003	1.7000e-004	4.8100e-003	3.3000e-004	5.1400e-003	1.3200e-003	3.1000e-004	1.6300e-003	0.0000	17.1782	17.1782	6.8000e-004	2.7200e-003	18.0071
Vendor	1.1000e-004	5.2000e-003	1.0700e-003	2.0000e-005	7.9000e-004	3.0000e-005	8.2000e-004	2.3000e-004	3.0000e-005	2.6000e-004	0.0000	2.3204	2.3204	6.0000e-005	3.4000e-004	2.4230
Worker	7.3000e-004	4.7000e-004	6.6700e-003	2.0000e-005	0.0199	1.0000e-005	0.0199	2.4000e-003	1.0000e-005	2.4100e-003	0.0000	1.9514	1.9514	4.0000e-005	5.0000e-005	1.9659
<b>Total</b>	<b>1.5100e-003</b>	<b>0.0485</b>	<b>0.0159</b>	<b>2.1000e-004</b>	<b>0.0255</b>	<b>3.7000e-004</b>	<b>0.0258</b>	<b>3.9500e-003</b>	<b>3.5000e-004</b>	<b>4.3000e-003</b>	<b>0.0000</b>	<b>21.4500</b>	<b>21.4500</b>	<b>7.8000e-004</b>	<b>3.1100e-003</b>	<b>22.3960</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.9 Testing, Commissioning, Site Clean Up - 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	0.0387	0.3030	0.5152	8.9000e-004		0.0125	0.0125		0.0115	0.0115	0.0000	78.0336	78.0336	0.0252	0.0000	78.6645
<b>Total</b>	<b>0.0387</b>	<b>0.3030</b>	<b>0.5152</b>	<b>8.9000e-004</b>		<b>0.0125</b>	<b>0.0125</b>		<b>0.0115</b>	<b>0.0115</b>	<b>0.0000</b>	<b>78.0336</b>	<b>78.0336</b>	<b>0.0252</b>	<b>0.0000</b>	<b>78.6645</b>

**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	1.8800e-003	0.1195	0.0235	4.9000e-004	0.0138	9.2000e-004	0.0147	3.8000e-003	8.8000e-004	4.6700e-003	0.0000	48.3052	48.3052	1.9400e-003	7.6600e-003	50.6365
Vendor	3.0000e-004	0.0146	2.9600e-003	7.0000e-005	2.2600e-003	9.0000e-005	2.3600e-003	6.5000e-004	9.0000e-005	7.4000e-004	0.0000	6.5110	6.5110	1.6000e-004	9.5000e-004	6.7993
Worker	3.1900e-003	1.9400e-003	0.0289	1.0000e-004	0.5187	5.0000e-005	0.5187	0.0537	5.0000e-005	0.0538	0.0000	8.7735	8.7735	1.7000e-004	2.0000e-004	8.8365
<b>Total</b>	<b>5.3700e-003</b>	<b>0.1360</b>	<b>0.0554</b>	<b>6.6000e-004</b>	<b>0.5347</b>	<b>1.0600e-003</b>	<b>0.5358</b>	<b>0.0582</b>	<b>1.0200e-003</b>	<b>0.0592</b>	<b>0.0000</b>	<b>63.5897</b>	<b>63.5897</b>	<b>2.2700e-003</b>	<b>8.8100e-003</b>	<b>66.2723</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.9 Testing, Commissioning, Site Clean Up - 2025**

**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	0.0806	0.6118	8.9000e-004		1.4600e-003	1.4600e-003		1.4600e-003	1.4600e-003	0.0000	78.0335	78.0335	0.0252	0.0000	78.6644
<b>Total</b>	<b>0.0118</b>	<b>0.0806</b>	<b>0.6118</b>	<b>8.9000e-004</b>		<b>1.4600e-003</b>	<b>1.4600e-003</b>		<b>1.4600e-003</b>	<b>1.4600e-003</b>	<b>0.0000</b>	<b>78.0335</b>	<b>78.0335</b>	<b>0.0252</b>	<b>0.0000</b>	<b>78.6644</b>

**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	1.8800e-003	0.1195	0.0235	4.9000e-004	0.0138	9.2000e-004	0.0147	3.8000e-003	8.8000e-004	4.6700e-003	0.0000	48.3052	48.3052	1.9400e-003	7.6600e-003	50.6365
Vendor	3.0000e-004	0.0146	2.9600e-003	7.0000e-005	2.2600e-003	9.0000e-005	2.3600e-003	6.5000e-004	9.0000e-005	7.4000e-004	0.0000	6.5110	6.5110	1.6000e-004	9.5000e-004	6.7993
Worker	3.1900e-003	1.9400e-003	0.0289	1.0000e-004	0.0925	5.0000e-005	0.0925	0.0112	5.0000e-005	0.0112	0.0000	8.7735	8.7735	1.7000e-004	2.0000e-004	8.8365
<b>Total</b>	<b>5.3700e-003</b>	<b>0.1360</b>	<b>0.0554</b>	<b>6.6000e-004</b>	<b>0.1085</b>	<b>1.0600e-003</b>	<b>0.1096</b>	<b>0.0156</b>	<b>1.0200e-003</b>	<b>0.0166</b>	<b>0.0000</b>	<b>63.5897</b>	<b>63.5897</b>	<b>2.2700e-003</b>	<b>8.8100e-003</b>	<b>66.2723</b>

**4.0 Operational Detail - Mobile**



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**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	0.0228	0.0318	0.2271	5.0000e-004	0.0539	3.9000e-004	0.0543	0.0144	3.6000e-004	0.0148	0.0000	46.5080	46.5080	2.9600e-003	2.2100e-003	47.2404
Unmitigated	0.0228	0.0318	0.2271	5.0000e-004	0.0539	3.9000e-004	0.0543	0.0144	3.6000e-004	0.0148	0.0000	46.5080	46.5080	2.9600e-003	2.2100e-003	47.2404

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	20.00	20.00	20.00	62,353	62,353
User Defined Industrial	32.00	0.00	0.00	83,200	83,200
<b>Total</b>	<b>52.00</b>	<b>20.00</b>	<b>20.00</b>	<b>145,553</b>	<b>145,553</b>

**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
Unrefrigerated Warehouse-No Rail	10.00	5.00	6.50	59.00	0.00	41.00	100	0	0
User Defined Industrial	10.00	5.00	6.50	100.00	0.00	0.00	100	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.546433	0.056674	0.183423	0.128799	0.024661	0.005883	0.013276	0.009437	0.000898	0.000581	0.025768	0.000959	0.003207

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

User Defined Industrial	0.546433	0.056674	0.183423	0.128799	0.024661	0.005883	0.013276	0.009437	0.000898	0.000581	0.025768	0.000959	0.003207
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**5.0 Energy Detail**

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	200.6980	200.6980	0.0185	2.2400e-003	201.8288
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	200.6980	200.6980	0.0185	2.2400e-003	201.8288
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



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**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	1.236e+006	200.6980	0.0185	2.2400e-003	201.8288
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>200.6980</b>	<b>0.0185</b>	<b>2.2400e-003</b>	<b>201.8288</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	1.236e+006	200.6980	0.0185	2.2400e-003	201.8288
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>200.6980</b>	<b>0.0185</b>	<b>2.2400e-003</b>	<b>201.8288</b>

**6.0 Area Detail**



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**6.2 Area by SubCategory**

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	47.2599	4.3600e-003	5.3000e-004	47.5262
Unmitigated	47.2599	4.3600e-003	5.3000e-004	47.5262

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	0 / 0.716873	0.4074	4.0000e-005	0.0000	0.4097
User Defined Industrial	0 / 82.4404	46.8525	4.3200e-003	5.2000e-004	47.1165
<b>Total</b>		<b>47.2599</b>	<b>4.3600e-003</b>	<b>5.2000e-004</b>	<b>47.5262</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**7.2 Water by Land Use**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	0 / 0.716873	0.4074	4.0000e-005	0.0000	0.4097
User Defined Industrial	0 / 82.4404	46.8525	4.3200e-003	5.2000e-004	47.1165
<b>Total</b>		<b>47.2599</b>	<b>4.3600e-003</b>	<b>5.2000e-004</b>	<b>47.5262</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1.9081	0.1128	0.0000	4.7273
Unmitigated	1.9081	0.1128	0.0000	4.7273



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	9.4	1.9081	0.1128	0.0000	4.7273
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>1.9081</b>	<b>0.1128</b>	<b>0.0000</b>	<b>4.7273</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	9.4	1.9081	0.1128	0.0000	4.7273
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>1.9081</b>	<b>0.1128</b>	<b>0.0000</b>	<b>4.7273</b>

**9.0 Operational Offroad**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

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

**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	0.5	50	2000	0.73	Diesel

**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**10.1 Stationary Sources**

**Unmitigated/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
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (750 - 9999 HP)	0.1641	0.7339	0.4184	7.9000e-004		0.0241	0.0241		0.0241	0.0241	0.0000	76.1594	76.1594	0.0107	0.0000	76.4264
<b>Total</b>	<b>0.1641</b>	<b>0.7339</b>	<b>0.4184</b>	<b>7.9000e-004</b>		<b>0.0241</b>	<b>0.0241</b>		<b>0.0241</b>	<b>0.0241</b>	<b>0.0000</b>	<b>76.1594</b>	<b>76.1594</b>	<b>0.0107</b>	<b>0.0000</b>	<b>76.4264</b>

**11.0 Vegetation**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**CCAR Solar - Mitigated SMAQMD  
Sacramento Metropolitan AQMD Air District, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	10.00	1000sqft	2,555.00	10,000.00	0
User Defined Industrial	1.00	User Defined Unit	0.00	1.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	3.5	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	6			<b>Operational Year</b>	2025
<b>Utility Company</b>	Sacramento Municipal Utility District				
<b>CO2 Intensity (lb/MWhr)</b>	357.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - Operational year 2023.

Land Use - 2,555 acers based on total development area.

Construction Phase - Construction phasing information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant. Off-Highway Trucks include 3 water trucks and 3 dump trucks.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Off-road Equipment - Construction equipment information was provided by the project applicant.

Trips and VMT - Construction trip information is based on data provided by the project applicant.

On-road Fugitive Dust - Assumed 0.5 miles of travel on unpaved roads for worker vehicles.

Grading - 250,000 cy of export

Vehicle Trips - Trip rates were modified to be consistent with the anticipated operation and maintenance activity of 10 trips per day.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - No architectural coatings.

Energy Use - Modified energy demand factors to account for an energy demand of 1,236 MW annually. The energy demand was provided by the project applicant.

Water And Wastewater - Outdoor watert use is consisitent with the Project Description of 2.2 acre-feet for operation. Water for construction modeled in user defined industrial.

Solid Waste - CalEEMod defaults.

Construction Off-road Equipment Mitigation - Included watering 3x daily, unpaved road stablization and vehicle speed reduction as Enhanced Fugitive PM dust control control in practices as recommended by the SMAQMD

Fleet Mix - CalEEMod defaults.

Stationary Sources - Emergency Generators and Fire Pumps - Two, 2,000 horse power Diesel emergency generartos

Consumer Products - No consumer products.

Landscape Equipment - No landscaping.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	0
tblAreaCoating	Area_EF_Nonresidential_Interior	100	0
tblAreaCoating	ReapplicationRatePercent	10	0
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorV alue	100	0
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorV alue	100	0
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	24.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	16.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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
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	6,000.00	220.00
tblConstructionPhase	NumDays	6,000.00	65.00

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblConstructionPhase	NumDays	6,000.00	68.00
tblConstructionPhase	NumDays	155,000.00	230.00
tblConstructionPhase	NumDays	155,000.00	200.00
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	LightingElect	1.60	0.00
tblEnergyUse	NT24E	1.36	123.60
tblEnergyUse	T24E	0.23	0.00
tblEnergyUse	T24NG	0.49	0.00
tblGrading	MaterialExported	0.00	250,000.00
tblLandscapeEquipment	NumberSummerDays	250	0
tblLandUse	LandUseSquareFeet	0.00	1.00
tblLandUse	LotAcreage	0.23	2,555.00
tblOffRoadEquipment	HorsePower	85.00	950.00
tblOffRoadEquipment	HorsePower	158.00	172.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	300.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	200.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	168.00	350.00
tblOffRoadEquipment	HorsePower	168.00	160.00
tblOffRoadEquipment	HorsePower	168.00	790.00
tblOffRoadEquipment	HorsePower	168.00	755.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00





CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripNumber	31,250.00	5,302.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,292.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,350.00
tblTripsAndVMT	HaulingTripNumber	0.00	4,582.00
tblTripsAndVMT	HaulingTripNumber	0.00	2,184.00
tblTripsAndVMT	HaulingTripNumber	0.00	3,994.00
tblTripsAndVMT	HaulingTripNumber	0.00	438.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,258.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripNumber	0.00	16.00
tblTripsAndVMT	VendorTripNumber	0.00	16.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tbITripsAndVMT	VendorTripNumber	2.00	4.00
tbITripsAndVMT	VendorTripNumber	0.00	2.00
tbITripsAndVMT	VendorTripNumber	2.00	40.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripNumber	33.00	50.00
tbITripsAndVMT	WorkerTripNumber	8.00	74.00
tbITripsAndVMT	WorkerTripNumber	4.00	100.00
tbITripsAndVMT	WorkerTripNumber	15.00	100.00
tbITripsAndVMT	WorkerTripNumber	4.00	476.00
tbITripsAndVMT	WorkerTripNumber	5.00	16.00
tbITripsAndVMT	WorkerTripNumber	15.00	26.00
tbIVehicleTrips	CC_TL	7.50	5.00
tbIVehicleTrips	CC_TL	7.50	5.00
tbIVehicleTrips	CNW_TL	8.50	6.50
tbIVehicleTrips	CNW_TL	8.50	6.50
tbIVehicleTrips	CW_TL	15.00	10.00
tbIVehicleTrips	CW_TL	15.00	10.00
tbIVehicleTrips	CW_TTP	0.00	100.00
tbIVehicleTrips	DV_TP	5.00	0.00
tbIVehicleTrips	PB_TP	3.00	0.00

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	1.74	2.00
tblVehicleTrips	SU_TR	1.74	2.00
tblVehicleTrips	WD_TR	1.74	2.00
tblVehicleTrips	WD_TR	0.00	32.00
tblWater	IndoorWaterUseRate	2,312,500.00	0.00
tblWater	OutdoorWaterUseRate	0.00	716,873.00
tblWater	OutdoorWaterUseRate	0.00	82,440,413.00

**2.0 Emissions Summary**

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CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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					
2024	18.3595	156.9542	200.1522	0.5488	569.5078	5.5556	575.0634	62.0409	5.1452	67.1862	0.0000	54,899.29 85	54,899.29 85	10.5031	2.1819	55,812.07 15
2025	16.5520	134.8242	191.2677	0.5103	556.9709	4.7214	561.6923	60.6579	4.3728	65.0307	0.0000	50,911.83 85	50,911.83 85	9.9848	1.8238	51,704.94 65
<b>Maximum</b>	<b>18.3595</b>	<b>156.9542</b>	<b>200.1522</b>	<b>0.5488</b>	<b>569.5078</b>	<b>5.5556</b>	<b>575.0634</b>	<b>62.0409</b>	<b>5.1452</b>	<b>67.1862</b>	<b>0.0000</b>	<b>54,899.29 85</b>	<b>54,899.29 85</b>	<b>10.5031</b>	<b>2.1819</b>	<b>55,812.07 15</b>

**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					
2024	7.9585	45.7827	242.4875	0.5488	104.8210	0.7947	105.6157	13.9325	0.7817	14.7143	0.0000	54,899.29 85	54,899.29 85	10.5031	2.1819	55,812.07 15
2025	7.4366	40.1599	232.6087	0.5103	102.1833	0.7339	102.9172	13.5376	0.7228	14.2604	0.0000	50,911.83 85	50,911.83 85	9.9848	1.8238	51,704.94 65
<b>Maximum</b>	<b>7.9585</b>	<b>45.7827</b>	<b>242.4875</b>	<b>0.5488</b>	<b>104.8210</b>	<b>0.7947</b>	<b>105.6157</b>	<b>13.9325</b>	<b>0.7817</b>	<b>14.7143</b>	<b>0.0000</b>	<b>54,899.29 85</b>	<b>54,899.29 85</b>	<b>10.5031</b>	<b>2.1819</b>	<b>55,812.07 15</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	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	55.90	70.55	-21.38	0.00	81.62	85.13	81.66	77.61	84.19	78.09	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	1.0000e-004	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
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	0.1834	0.1970	1.6708	3.6500e-003	0.3770	2.6200e-003	0.3797	0.1005	2.4500e-003	0.1030		371.7569	371.7569	0.0212	0.0158	376.9805
Stationary	3.2821	14.6775	8.3688	0.0158		0.4828	0.4828		0.4828	0.4828		1,679.0282	1,679.0282	0.2354		1,684.9132
<b>Total</b>	<b>3.4657</b>	<b>14.8745</b>	<b>10.0407</b>	<b>0.0194</b>	<b>0.3770</b>	<b>0.4854</b>	<b>0.8625</b>	<b>0.1005</b>	<b>0.4853</b>	<b>0.5858</b>		<b>2,050.7875</b>	<b>2,050.7875</b>	<b>0.2566</b>	<b>0.0158</b>	<b>2,061.8963</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**2.2 Overall Operational**

**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	1.0000e-004	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
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	0.1834	0.1970	1.6708	3.6500e-003	0.3770	2.6200e-003	0.3797	0.1005	2.4500e-003	0.1030		371.7569	371.7569	0.0212	0.0158	376.9805
Stationary	3.2821	14.6775	8.3688	0.0158		0.4828	0.4828		0.4828	0.4828		1,679.0282	1,679.0282	0.2354		1,684.9132
<b>Total</b>	<b>3.4657</b>	<b>14.8745</b>	<b>10.0407</b>	<b>0.0194</b>	<b>0.3770</b>	<b>0.4854</b>	<b>0.8625</b>	<b>0.1005</b>	<b>0.4853</b>	<b>0.5858</b>		<b>2,050.7875</b>	<b>2,050.7875</b>	<b>0.2566</b>	<b>0.0158</b>	<b>2,061.8963</b>

	ROG	NOx	CO	SO2	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	3/1/2024	1/2/2025	5	220	
2	Perimeter Fence Installation	Site Preparation	3/1/2024	5/30/2024	5	65	
3	Tree Removal	Site Preparation	3/1/2024	6/4/2024	5	68	
4	Energy Storage System	Building Construction	8/1/2024	6/18/2025	5	230	

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

5	Underground Work (Utilities)	Trenching	9/1/2024	1/31/2025	5	110
6	System Installation	Building Construction	9/25/2024	7/1/2025	5	200
7	Gen-Tie Construction	Trenching	10/1/2024	10/30/2024	5	22
8	Testing, Commissioning, Site Clean Up	Trenching	6/1/2025	8/27/2025	5	63

**Acres of Grading (Site Preparation Phase): 550**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	2	8.00	187	0.41
Site Preparation	Off-Highway Trucks	6	8.00	402	0.38
Site Preparation	Rollers	2	8.00	80	0.38
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Perimeter Fence Installation	Off-Highway Trucks	1	8.00	150	0.38
Perimeter Fence Installation	Rough Terrain Forklifts	1	8.00	100	0.40
Perimeter Fence Installation	Rubber Tired Dozers	0	0.00	247	0.40
Perimeter Fence Installation	Skid Steer Loaders	1	8.00	65	0.37
Perimeter Fence Installation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Tree Removal	Crushing/Proc. Equipment	1	8.00	950	0.78
Tree Removal	Excavators	3	8.00	172	0.38
Tree Removal	Other Material Handling Equipment	1	8.00	350	0.40
Tree Removal	Other Material Handling Equipment	1	8.00	160	0.40
Tree Removal	Other Material Handling Equipment	1	8.00	790	0.40

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Tree Removal	Other Material Handling Equipment	1	8.00	755	0.40
Tree Removal	Rubber Tired Dozers	0	8.00	247	0.40
Tree Removal	Skid Steer Loaders	4	8.00	65	0.37
Tree Removal	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Energy Storage System	Cranes	1	8.00	231	0.29
Energy Storage System	Forklifts	0	0.00	89	0.20
Energy Storage System	Generator Sets	0	0.00	84	0.74
Energy Storage System	Graders	0	8.00	187	0.41
Energy Storage System	Off-Highway Trucks	5	8.00	150	0.38
Energy Storage System	Rough Terrain Forklifts	4	8.00	100	0.40
Energy Storage System	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Energy Storage System	Welders	0	0.00	46	0.45
Underground Work (Utilities)	Cranes	0	0.00	231	0.29
Underground Work (Utilities)	Excavators	2	8.00	158	0.38
Underground Work (Utilities)	Off-Highway Trucks	1	8.00	300	0.38
Underground Work (Utilities)	Other Construction Equipment	1	8.00	172	0.42
Underground Work (Utilities)	Rollers	1	8.00	80	0.38
Underground Work (Utilities)	Rough Terrain Forklifts	1	8.00	100	0.40
System Installation	Cranes	1	8.00	231	0.29
System Installation	Forklifts	0	0.00	89	0.20
System Installation	Generator Sets	3	8.00	84	0.74
System Installation	Off-Highway Trucks	5	8.00	150	0.38
System Installation	Other Construction Equipment	5	8.00	172	0.42
System Installation	Rough Terrain Forklifts	10	8.00	100	0.40
System Installation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
System Installation	Welders	0	0.00	46	0.45
Gen-Tie Construction	Off-Highway Trucks	2	8.00	200	0.38
Testing, Commissioning, Site Clean Up	Graders	1	8.00	187	0.41
Testing, Commissioning, Site Clean Up	Off-Highway Trucks	4	8.00	150	0.38



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Testing, Comissioning, Site Clean Up	Skid Steer Loaders	1	8.00	65	0.37
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**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	13	50.00	16.00	5,302.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
Perimeter Fence Installation	3	74.00	16.00	1,292.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
Tree Removal	12	30.00	4.00	1,350.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
Energy Storage System	11	100.00	4.00	4,582.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
Underground Work (Utilities)	6	100.00	2.00	2,184.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
System Installation	24	476.00	40.00	3,994.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
Gen-Tie Construction	2	16.00	4.00	438.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
Testing, Comissioning, Site Cle	6	26.00	4.00	1,258.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 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					
Fugitive Dust					8.9083	0.0000	8.9083	3.6321	0.0000	3.6321			0.0000			0.0000
Off-Road	5.5818	47.5988	37.8480	0.1247		1.8416	1.8416		1.6943	1.6943		12,069.25 47	12,069.25 47	3.9034		12,166.84 07
<b>Total</b>	<b>5.5818</b>	<b>47.5988</b>	<b>37.8480</b>	<b>0.1247</b>	<b>8.9083</b>	<b>1.8416</b>	<b>10.7499</b>	<b>3.6321</b>	<b>1.6943</b>	<b>5.3264</b>		<b>12,069.25 47</b>	<b>12,069.25 47</b>	<b>3.9034</b>		<b>12,166.84 07</b>

**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	0.0752	4.4408	0.8930	0.0191	0.5461	0.0358	0.5818	0.1495	0.0342	0.1837		2,083.377 1	2,083.377 1	0.0831	0.3304	2,183.904 2
Vendor	0.0406	1.7837	0.3863	8.6700e-003	0.2957	0.0122	0.3079	0.0850	0.0117	0.0967		930.0151	930.0151	0.0224	0.1360	971.0924
Worker	0.2310	0.1212	2.2959	6.6300e-003	37.5356	3.4900e-003	37.5391	3.8689	3.2100e-003	3.8721		670.1488	670.1488	0.0124	0.0134	674.4495
<b>Total</b>	<b>0.3467</b>	<b>6.3458</b>	<b>3.5752</b>	<b>0.0344</b>	<b>38.3774</b>	<b>0.0514</b>	<b>38.4288</b>	<b>4.1034</b>	<b>0.0491</b>	<b>4.1525</b>		<b>3,683.541 0</b>	<b>3,683.541 0</b>	<b>0.1180</b>	<b>0.4797</b>	<b>3,829.446 1</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2024**

**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					3.3005	0.0000	3.3005	1.3457	0.0000	1.3457			0.0000			0.0000
Off-Road	1.5255	6.6104	58.4921	0.1247		0.2034	0.2034		0.2034	0.2034	0.0000	12,069.25 47	12,069.25 47	3.9034		12,166.84 07
<b>Total</b>	<b>1.5255</b>	<b>6.6104</b>	<b>58.4921</b>	<b>0.1247</b>	<b>3.3005</b>	<b>0.2034</b>	<b>3.5039</b>	<b>1.3457</b>	<b>0.2034</b>	<b>1.5491</b>	<b>0.0000</b>	<b>12,069.25 47</b>	<b>12,069.25 47</b>	<b>3.9034</b>		<b>12,166.84 07</b>

**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	0.0752	4.4408	0.8930	0.0191	0.5461	0.0358	0.5818	0.1495	0.0342	0.1837		2,083.377 1	2,083.377 1	0.0831	0.3304	2,183.904 2
Vendor	0.0406	1.7837	0.3863	8.6700e-003	0.2957	0.0122	0.3079	0.0850	0.0117	0.0967		930.0151	930.0151	0.0224	0.1360	971.0924
Worker	0.2310	0.1212	2.2959	6.6300e-003	6.6004	3.4900e-003	6.6039	0.7812	3.2100e-003	0.7844		670.1488	670.1488	0.0124	0.0134	674.4495
<b>Total</b>	<b>0.3467</b>	<b>6.3458</b>	<b>3.5752</b>	<b>0.0344</b>	<b>7.4421</b>	<b>0.0514</b>	<b>7.4936</b>	<b>1.0157</b>	<b>0.0491</b>	<b>1.0648</b>		<b>3,683.541 0</b>	<b>3,683.541 0</b>	<b>0.1180</b>	<b>0.4797</b>	<b>3,829.446 1</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 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					
Fugitive Dust					8.9083	0.0000	8.9083	3.6321	0.0000	3.6321			0.0000			0.0000
Off-Road	5.2136	41.3329	36.6024	0.1246		1.5773	1.5773		1.4511	1.4511		12,063.8187	12,063.8187	3.9017		12,161.3608
<b>Total</b>	<b>5.2136</b>	<b>41.3329</b>	<b>36.6024</b>	<b>0.1246</b>	<b>8.9083</b>	<b>1.5773</b>	<b>10.4856</b>	<b>3.6321</b>	<b>1.4511</b>	<b>5.0832</b>		<b>12,063.8187</b>	<b>12,063.8187</b>	<b>3.9017</b>		<b>12,161.3608</b>

**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	0.0734	4.3188	0.8967	0.0187	0.5459	0.0351	0.5810	0.1495	0.0335	0.1830		2,039.7239	2,039.7239	0.0818	0.3235	2,138.1667
Vendor	0.0387	1.7434	0.3734	8.4900e-003	0.2957	0.0120	0.3076	0.0850	0.0114	0.0965		911.2554	911.2554	0.0220	0.1335	951.5837
Worker	0.2171	0.1080	2.1323	6.4000e-003	37.5356	3.3300e-003	37.5390	3.8689	3.0600e-003	3.8720		647.3470	647.3470	0.0111	0.0125	651.3422
<b>Total</b>	<b>0.3292</b>	<b>6.1702</b>	<b>3.4024</b>	<b>0.0336</b>	<b>38.3772</b>	<b>0.0504</b>	<b>38.4276</b>	<b>4.1034</b>	<b>0.0480</b>	<b>4.1514</b>		<b>3,598.3263</b>	<b>3,598.3263</b>	<b>0.1149</b>	<b>0.4694</b>	<b>3,741.0925</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2025**

**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					3.3005	0.0000	3.3005	1.3457	0.0000	1.3457			0.0000			0.0000
Off-Road	1.5255	6.6104	58.4921	0.1246		0.2034	0.2034		0.2034	0.2034	0.0000	12,063.8187	12,063.8187	3.9017		12,161.3608
<b>Total</b>	<b>1.5255</b>	<b>6.6104</b>	<b>58.4921</b>	<b>0.1246</b>	<b>3.3005</b>	<b>0.2034</b>	<b>3.5039</b>	<b>1.3457</b>	<b>0.2034</b>	<b>1.5491</b>	<b>0.0000</b>	<b>12,063.8187</b>	<b>12,063.8187</b>	<b>3.9017</b>		<b>12,161.3608</b>

**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	0.0734	4.3188	0.8967	0.0187	0.5459	0.0351	0.5810	0.1495	0.0335	0.1830		2,039.7239	2,039.7239	0.0818	0.3235	2,138.1667
Vendor	0.0387	1.7434	0.3734	8.4900e-003	0.2957	0.0120	0.3076	0.0850	0.0114	0.0965		911.2554	911.2554	0.0220	0.1335	951.5837
Worker	0.2171	0.1080	2.1323	6.4000e-003	6.6004	3.3300e-003	6.6037	0.7812	3.0600e-003	0.7842		647.3470	647.3470	0.0111	0.0125	651.3422
<b>Total</b>	<b>0.3292</b>	<b>6.1702</b>	<b>3.4024</b>	<b>0.0336</b>	<b>7.4420</b>	<b>0.0504</b>	<b>7.4923</b>	<b>1.0156</b>	<b>0.0480</b>	<b>1.0637</b>		<b>3,598.3263</b>	<b>3,598.3263</b>	<b>0.1149</b>	<b>0.4694</b>	<b>3,741.0925</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Perimeter Fence Installation - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3898	3.6790	7.0160	0.0104		0.1380	0.1380		0.1270	0.1270		1,007.0634	1,007.0634	0.3257		1,015.2060
<b>Total</b>	<b>0.3898</b>	<b>3.6790</b>	<b>7.0160</b>	<b>0.0104</b>	<b>0.0000</b>	<b>0.1380</b>	<b>0.1380</b>	<b>0.0000</b>	<b>0.1270</b>	<b>0.1270</b>		<b>1,007.0634</b>	<b>1,007.0634</b>	<b>0.3257</b>		<b>1,015.2060</b>

**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	0.0620	3.6627	0.7365	0.0157	0.4504	0.0295	0.4799	0.1233	0.0282	0.1515		1,718.3040	1,718.3040	0.0686	0.2725	1,801.2156
Vendor	0.0406	1.7837	0.3863	8.6700e-003	0.2957	0.0122	0.3079	0.0850	0.0117	0.0967		930.0151	930.0151	0.0224	0.1360	971.0924
Worker	0.3418	0.1794	3.3979	9.8100e-003	55.5528	5.1600e-003	55.5579	5.7260	4.7500e-003	5.7307		991.8202	991.8202	0.0184	0.0198	998.1853
<b>Total</b>	<b>0.4444</b>	<b>5.6258</b>	<b>4.5208</b>	<b>0.0342</b>	<b>56.2988</b>	<b>0.0468</b>	<b>56.3457</b>	<b>5.9343</b>	<b>0.0446</b>	<b>5.9789</b>		<b>3,640.1393</b>	<b>3,640.1393</b>	<b>0.1093</b>	<b>0.4283</b>	<b>3,770.4933</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Perimeter Fence Installation - 2024**

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1536	1.6070	7.8993	0.0104		0.0171	0.0171		0.0171	0.0171	0.0000	1,007.0634	1,007.0634	0.3257		1,015.2060
<b>Total</b>	<b>0.1536</b>	<b>1.6070</b>	<b>7.8993</b>	<b>0.0104</b>	<b>0.0000</b>	<b>0.0171</b>	<b>0.0171</b>	<b>0.0000</b>	<b>0.0171</b>	<b>0.0171</b>	<b>0.0000</b>	<b>1,007.0634</b>	<b>1,007.0634</b>	<b>0.3257</b>		<b>1,015.2060</b>

**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	0.0620	3.6627	0.7365	0.0157	0.4504	0.0295	0.4799	0.1233	0.0282	0.1515		1,718.3040	1,718.3040	0.0686	0.2725	1,801.2156
Vendor	0.0406	1.7837	0.3863	8.6700e-003	0.2957	0.0122	0.3079	0.0850	0.0117	0.0967		930.0151	930.0151	0.0224	0.1360	971.0924
Worker	0.3418	0.1794	3.3979	9.8100e-003	9.7686	5.1600e-003	9.7738	1.1561	4.7500e-003	1.1609		991.8202	991.8202	0.0184	0.0198	998.1853
<b>Total</b>	<b>0.4444</b>	<b>5.6258</b>	<b>4.5208</b>	<b>0.0342</b>	<b>10.5146</b>	<b>0.0468</b>	<b>10.5615</b>	<b>1.3645</b>	<b>0.0446</b>	<b>1.4091</b>		<b>3,640.1393</b>	<b>3,640.1393</b>	<b>0.1093</b>	<b>0.4283</b>	<b>3,770.4933</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Tree Removal - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.5961	14.0725	22.9085	0.0427		0.6089	0.6089		0.5602	0.5602		4,130.3198	4,130.3198	1.3358		4,163.7155
<b>Total</b>	<b>1.5961</b>	<b>14.0725</b>	<b>22.9085</b>	<b>0.0427</b>	<b>0.0000</b>	<b>0.6089</b>	<b>0.6089</b>	<b>0.0000</b>	<b>0.5602</b>	<b>0.5602</b>		<b>4,130.3198</b>	<b>4,130.3198</b>	<b>1.3358</b>		<b>4,163.7155</b>

**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	0.0620	3.6582	0.7356	0.0157	0.4498	0.0295	0.4793	0.1232	0.0282	0.1513		1,716.2309	1,716.2309	0.0685	0.2722	1,799.0424
Vendor	0.0101	0.4459	0.0966	2.1700e-003	0.0739	3.0500e-003	0.0770	0.0213	2.9200e-003	0.0242		232.5038	232.5038	5.6100e-003	0.0340	242.7731
Worker	0.1386	0.0727	1.3775	3.9800e-003	22.5214	2.0900e-003	22.5235	2.3213	1.9300e-003	2.3233		402.0893	402.0893	7.4400e-003	8.0300e-003	404.6697
<b>Total</b>	<b>0.2107</b>	<b>4.1769</b>	<b>2.2097</b>	<b>0.0219</b>	<b>23.0451</b>	<b>0.0346</b>	<b>23.0797</b>	<b>2.4657</b>	<b>0.0330</b>	<b>2.4988</b>		<b>2,350.8239</b>	<b>2,350.8239</b>	<b>0.0815</b>	<b>0.3142</b>	<b>2,446.4852</b>



CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Tree Removal - 2024**

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.6270	6.4835	28.6819	0.0427		0.0700	0.0700		0.0700	0.0700	0.0000	4,130.319 7	4,130.319 7	1.3358		4,163.715 5
<b>Total</b>	<b>0.6270</b>	<b>6.4835</b>	<b>28.6819</b>	<b>0.0427</b>	<b>0.0000</b>	<b>0.0700</b>	<b>0.0700</b>	<b>0.0000</b>	<b>0.0700</b>	<b>0.0700</b>	<b>0.0000</b>	<b>4,130.319 7</b>	<b>4,130.319 7</b>	<b>1.3358</b>		<b>4,163.715 5</b>

**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	0.0620	3.6582	0.7356	0.0157	0.4498	0.0295	0.4793	0.1232	0.0282	0.1513		1,716.230 9	1,716.230 9	0.0685	0.2722	1,799.042 4
Vendor	0.0101	0.4459	0.0966	2.1700e-003	0.0739	3.0500e-003	0.0770	0.0213	2.9200e-003	0.0242		232.5038	232.5038	5.6100e-003	0.0340	242.7731
Worker	0.1386	0.0727	1.3775	3.9800e-003	3.9602	2.0900e-003	3.9623	0.4687	1.9300e-003	0.4706		402.0893	402.0893	7.4400e-003	8.0300e-003	404.6697
<b>Total</b>	<b>0.2107</b>	<b>4.1769</b>	<b>2.2097</b>	<b>0.0219</b>	<b>4.4840</b>	<b>0.0346</b>	<b>4.5186</b>	<b>0.6131</b>	<b>0.0330</b>	<b>0.6461</b>		<b>2,350.823 9</b>	<b>2,350.823 9</b>	<b>0.0815</b>	<b>0.3142</b>	<b>2,446.485 2</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 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	2.0105	17.8649	29.8788	0.0471		0.7284	0.7284		0.6701	0.6701		4,559.3185	4,559.3185	1.4746		4,596.1829
<b>Total</b>	<b>2.0105</b>	<b>17.8649</b>	<b>29.8788</b>	<b>0.0471</b>		<b>0.7284</b>	<b>0.7284</b>		<b>0.6701</b>	<b>0.6701</b>		<b>4,559.3185</b>	<b>4,559.3185</b>	<b>1.4746</b>		<b>4,596.1829</b>

**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	0.0622	3.6709	0.7382	0.0158	0.4514	0.0296	0.4809	0.1236	0.0283	0.1519		1,722.1783	1,722.1783	0.0687	0.2731	1,805.2767
Vendor	0.0101	0.4459	0.0966	2.1700e-003	0.0739	3.0500e-003	0.0770	0.0213	2.9200e-003	0.0242		232.5038	232.5038	5.6100e-003	0.0340	242.7731
Worker	0.4619	0.2425	4.5918	0.0133	75.0713	6.9800e-003	75.0783	7.7378	6.4200e-003	7.7442		1,340.2975	1,340.2975	0.0248	0.0268	1,348.8991
<b>Total</b>	<b>0.5342</b>	<b>4.3593</b>	<b>5.4266</b>	<b>0.0312</b>	<b>75.5966</b>	<b>0.0396</b>	<b>75.6362</b>	<b>7.8826</b>	<b>0.0376</b>	<b>7.9203</b>		<b>3,294.9795</b>	<b>3,294.9795</b>	<b>0.0991</b>	<b>0.3339</b>	<b>3,396.9489</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2024**

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	0.5798	2.5124	33.9807	0.0471		0.0773	0.0773		0.0773	0.0773	0.0000	4,559.3185	4,559.3185	1.4746		4,596.1829
<b>Total</b>	<b>0.5798</b>	<b>2.5124</b>	<b>33.9807</b>	<b>0.0471</b>		<b>0.0773</b>	<b>0.0773</b>		<b>0.0773</b>	<b>0.0773</b>	<b>0.0000</b>	<b>4,559.3185</b>	<b>4,559.3185</b>	<b>1.4746</b>		<b>4,596.1829</b>

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	0.0622	3.6709	0.7382	0.0158	0.4514	0.0296	0.4809	0.1236	0.0283	0.1519		1,722.1783	1,722.1783	0.0687	0.2731	1,805.2767
Vendor	0.0101	0.4459	0.0966	2.1700e-003	0.0739	3.0500e-003	0.0770	0.0213	2.9200e-003	0.0242		232.5038	232.5038	5.6100e-003	0.0340	242.7731
Worker	0.4619	0.2425	4.5918	0.0133	13.2008	6.9800e-003	13.2078	1.5623	6.4200e-003	1.5688		1,340.2975	1,340.2975	0.0248	0.0268	1,348.8991
<b>Total</b>	<b>0.5342</b>	<b>4.3593</b>	<b>5.4266</b>	<b>0.0312</b>	<b>13.7261</b>	<b>0.0396</b>	<b>13.7657</b>	<b>1.7072</b>	<b>0.0376</b>	<b>1.7448</b>		<b>3,294.9795</b>	<b>3,294.9795</b>	<b>0.0991</b>	<b>0.3339</b>	<b>3,396.9489</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 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	1.9067	16.3529	29.8349	0.0471		0.6587	0.6587		0.6060	0.6060		4,558.2434	4,558.2434	1.4742		4,595.0991
<b>Total</b>	<b>1.9067</b>	<b>16.3529</b>	<b>29.8349</b>	<b>0.0471</b>		<b>0.6587</b>	<b>0.6587</b>		<b>0.6060</b>	<b>0.6060</b>		<b>4,558.2434</b>	<b>4,558.2434</b>	<b>1.4742</b>		<b>4,595.0991</b>

**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	0.0607	3.5700	0.7412	0.0154	0.4513	0.0290	0.4803	0.1235	0.0277	0.1513		1,686.0933	1,686.0933	0.0676	0.2674	1,767.4688
Vendor	9.6700e-003	0.4358	0.0934	2.1200e-003	0.0739	2.9900e-003	0.0769	0.0213	2.8600e-003	0.0241		227.8138	227.8138	5.4900e-003	0.0334	237.8959
Worker	0.4342	0.2161	4.2647	0.0128	75.0713	6.6500e-003	75.0779	7.7378	6.1300e-003	7.7439		1,294.6939	1,294.6939	0.0223	0.0249	1,302.6843
<b>Total</b>	<b>0.5045</b>	<b>4.2220</b>	<b>5.0993</b>	<b>0.0304</b>	<b>75.5965</b>	<b>0.0386</b>	<b>75.6351</b>	<b>7.8826</b>	<b>0.0367</b>	<b>7.9193</b>		<b>3,208.6010</b>	<b>3,208.6010</b>	<b>0.0954</b>	<b>0.3257</b>	<b>3,308.0490</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2025**

**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	0.5798	2.5124	33.9807	0.0471		0.0773	0.0773		0.0773	0.0773	0.0000	4,558.243 4	4,558.243 4	1.4742		4,595.099 1
<b>Total</b>	<b>0.5798</b>	<b>2.5124</b>	<b>33.9807</b>	<b>0.0471</b>		<b>0.0773</b>	<b>0.0773</b>		<b>0.0773</b>	<b>0.0773</b>	<b>0.0000</b>	<b>4,558.243 4</b>	<b>4,558.243 4</b>	<b>1.4742</b>		<b>4,595.099 1</b>

**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	0.0607	3.5700	0.7412	0.0154	0.4513	0.0290	0.4803	0.1235	0.0277	0.1513		1,686.093 3	1,686.093 3	0.0676	0.2674	1,767.468 8
Vendor	9.6700e-003	0.4358	0.0934	2.1200e-003	0.0739	2.9900e-003	0.0769	0.0213	2.8600e-003	0.0241		227.8138	227.8138	5.4900e-003	0.0334	237.8959
Worker	0.4342	0.2161	4.2647	0.0128	13.2008	6.6500e-003	13.2074	1.5623	6.1300e-003	1.5685		1,294.693 9	1,294.693 9	0.0223	0.0249	1,302.684 3
<b>Total</b>	<b>0.5045</b>	<b>4.2220</b>	<b>5.0993</b>	<b>0.0304</b>	<b>13.7260</b>	<b>0.0386</b>	<b>13.7646</b>	<b>1.7071</b>	<b>0.0367</b>	<b>1.7438</b>		<b>3,208.601 0</b>	<b>3,208.601 0</b>	<b>0.0954</b>	<b>0.3257</b>	<b>3,308.049 0</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 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	1.3114	11.3747	17.1075	0.0325		0.5151	0.5151		0.4739	0.4739		3,142.1426	3,142.1426	1.0162		3,167.5485
<b>Total</b>	<b>1.3114</b>	<b>11.3747</b>	<b>17.1075</b>	<b>0.0325</b>		<b>0.5151</b>	<b>0.5151</b>		<b>0.4739</b>	<b>0.4739</b>		<b>3,142.1426</b>	<b>3,142.1426</b>	<b>1.0162</b>		<b>3,167.5485</b>

**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	0.0620	3.6585	0.7357	0.0157	0.4499	0.0295	0.4793	0.1232	0.0282	0.1514		1,716.3696	1,716.3696	0.0685	0.2722	1,799.1877
Vendor	5.0700e-003	0.2230	0.0483	1.0800e-003	0.0370	1.5200e-003	0.0385	0.0106	1.4600e-003	0.0121		116.2519	116.2519	2.8000e-003	0.0170	121.3866
Worker	0.4619	0.2425	4.5918	0.0133	75.0713	6.9800e-003	75.0783	7.7378	6.4200e-003	7.7442		1,340.2975	1,340.2975	0.0248	0.0268	1,348.8991
<b>Total</b>	<b>0.5289</b>	<b>4.1240</b>	<b>5.3758</b>	<b>0.0301</b>	<b>75.5581</b>	<b>0.0380</b>	<b>75.5961</b>	<b>7.8716</b>	<b>0.0361</b>	<b>7.9077</b>		<b>3,172.9189</b>	<b>3,172.9189</b>	<b>0.0961</b>	<b>0.3160</b>	<b>3,269.4734</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2024**

**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	0.3987	1.7275	21.5676	0.0325		0.0532	0.0532		0.0532	0.0532	0.0000	3,142.1426	3,142.1426	1.0162		3,167.5485
<b>Total</b>	<b>0.3987</b>	<b>1.7275</b>	<b>21.5676</b>	<b>0.0325</b>		<b>0.0532</b>	<b>0.0532</b>		<b>0.0532</b>	<b>0.0532</b>	<b>0.0000</b>	<b>3,142.1426</b>	<b>3,142.1426</b>	<b>1.0162</b>		<b>3,167.5485</b>

**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	0.0620	3.6585	0.7357	0.0157	0.4499	0.0295	0.4793	0.1232	0.0282	0.1514		1,716.3696	1,716.3696	0.0685	0.2722	1,799.1877
Vendor	5.0700e-003	0.2230	0.0483	1.0800e-003	0.0370	1.5200e-003	0.0385	0.0106	1.4600e-003	0.0121		116.2519	116.2519	2.8000e-003	0.0170	121.3866
Worker	0.4619	0.2425	4.5918	0.0133	13.2008	6.9800e-003	13.2078	1.5623	6.4200e-003	1.5688		1,340.2975	1,340.2975	0.0248	0.0268	1,348.8991
<b>Total</b>	<b>0.5289</b>	<b>4.1240</b>	<b>5.3758</b>	<b>0.0301</b>	<b>13.6876</b>	<b>0.0380</b>	<b>13.7256</b>	<b>1.6961</b>	<b>0.0361</b>	<b>1.7322</b>		<b>3,172.9189</b>	<b>3,172.9189</b>	<b>0.0961</b>	<b>0.3160</b>	<b>3,269.4734</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 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	1.2236	10.0710	17.0244	0.0325		0.4477	0.4477		0.4119	0.4119		3,142.0618	3,142.0618	1.0162		3,167.4669
<b>Total</b>	<b>1.2236</b>	<b>10.0710</b>	<b>17.0244</b>	<b>0.0325</b>		<b>0.4477</b>	<b>0.4477</b>		<b>0.4119</b>	<b>0.4119</b>		<b>3,142.0618</b>	<b>3,142.0618</b>	<b>1.0162</b>		<b>3,167.4669</b>

**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	0.0605	3.5580	0.7387	0.0154	0.4498	0.0289	0.4786	0.1231	0.0276	0.1508		1,680.4063	1,680.4063	0.0674	0.2665	1,761.5073
Vendor	4.8300e-003	0.2179	0.0467	1.0600e-003	0.0370	1.5000e-003	0.0385	0.0106	1.4300e-003	0.0121		113.9069	113.9069	2.7400e-003	0.0167	118.9480
Worker	0.4342	0.2161	4.2647	0.0128	75.0713	6.6500e-003	75.0779	7.7378	6.1300e-003	7.7439		1,294.6939	1,294.6939	0.0223	0.0249	1,302.6843
<b>Total</b>	<b>0.4995</b>	<b>3.9920</b>	<b>5.0501</b>	<b>0.0293</b>	<b>75.5580</b>	<b>0.0370</b>	<b>75.5950</b>	<b>7.8716</b>	<b>0.0352</b>	<b>7.9068</b>		<b>3,089.0071</b>	<b>3,089.0071</b>	<b>0.0924</b>	<b>0.3081</b>	<b>3,183.1396</b>



CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2025**

**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	0.3987	1.7275	21.5676	0.0325		0.0532	0.0532		0.0532	0.0532	0.0000	3,142.0618	3,142.0618	1.0162		3,167.4669
<b>Total</b>	<b>0.3987</b>	<b>1.7275</b>	<b>21.5676</b>	<b>0.0325</b>		<b>0.0532</b>	<b>0.0532</b>		<b>0.0532</b>	<b>0.0532</b>	<b>0.0000</b>	<b>3,142.0618</b>	<b>3,142.0618</b>	<b>1.0162</b>		<b>3,167.4669</b>

**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	0.0605	3.5580	0.7387	0.0154	0.4498	0.0289	0.4786	0.1231	0.0276	0.1508		1,680.4063	1,680.4063	0.0674	0.2665	1,761.5073
Vendor	4.8300e-003	0.2179	0.0467	1.0600e-003	0.0370	1.5000e-003	0.0385	0.0106	1.4300e-003	0.0121		113.9069	113.9069	2.7400e-003	0.0167	118.9480
Worker	0.4342	0.2161	4.2647	0.0128	13.2008	6.6500e-003	13.2074	1.5623	6.1300e-003	1.5685		1,294.6939	1,294.6939	0.0223	0.0249	1,302.6843
<b>Total</b>	<b>0.4995</b>	<b>3.9920</b>	<b>5.0501</b>	<b>0.0293</b>	<b>13.6875</b>	<b>0.0370</b>	<b>13.7245</b>	<b>1.6961</b>	<b>0.0352</b>	<b>1.7313</b>		<b>3,089.0071</b>	<b>3,089.0071</b>	<b>0.0924</b>	<b>0.3081</b>	<b>3,183.1396</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 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	4.9957	48.2065	72.4331	0.1153		2.0692	2.0692		1.9302	1.9302		11,120.29 57	11,120.29 57	3.0677		11,196.98 74
<b>Total</b>	<b>4.9957</b>	<b>48.2065</b>	<b>72.4331</b>	<b>0.1153</b>		<b>2.0692</b>	<b>2.0692</b>		<b>1.9302</b>	<b>1.9302</b>		<b>11,120.29 57</b>	<b>11,120.29 57</b>	<b>3.0677</b>		<b>11,196.98 74</b>

**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	0.0623	3.6798	0.7400	0.0158	0.4525	0.0296	0.4821	0.1239	0.0284	0.1522		1,726.350 3	1,726.350 3	0.0689	0.2738	1,809.650 1
Vendor	0.1014	4.4593	0.9659	0.0217	0.7393	0.0305	0.7697	0.2125	0.0292	0.2417		2,325.037 9	2,325.037 9	0.0561	0.3399	2,427.731 1
Worker	2.1986	1.1542	21.8570	0.0631	357.3393	0.0332	357.3725	36.8319	0.0306	36.8625		6,379.816 1	6,379.816 1	0.1181	0.1275	6,420.759 5
<b>Total</b>	<b>2.3623</b>	<b>9.2933</b>	<b>23.5628</b>	<b>0.1006</b>	<b>358.5310</b>	<b>0.0933</b>	<b>358.6243</b>	<b>37.1684</b>	<b>0.0881</b>	<b>37.2565</b>		<b>10,431.20 42</b>	<b>10,431.20 42</b>	<b>0.2430</b>	<b>0.7412</b>	<b>10,658.14 07</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2024**

**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	1.3753	5.9598	83.0401	0.1153		0.1834	0.1834		0.1834	0.1834	0.0000	11,120.29 56	11,120.29 56	3.0677		11,196.98 74
<b>Total</b>	<b>1.3753</b>	<b>5.9598</b>	<b>83.0401</b>	<b>0.1153</b>		<b>0.1834</b>	<b>0.1834</b>		<b>0.1834</b>	<b>0.1834</b>	<b>0.0000</b>	<b>11,120.29 56</b>	<b>11,120.29 56</b>	<b>3.0677</b>		<b>11,196.98 74</b>

**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	0.0623	3.6798	0.7400	0.0158	0.4525	0.0296	0.4821	0.1239	0.0284	0.1522		1,726.350 3	1,726.350 3	0.0689	0.2738	1,809.650 1
Vendor	0.1014	4.4593	0.9659	0.0217	0.7393	0.0305	0.7697	0.2125	0.0292	0.2417		2,325.037 9	2,325.037 9	0.0561	0.3399	2,427.731 1
Worker	2.1986	1.1542	21.8570	0.0631	62.8358	0.0332	62.8690	7.4367	0.0306	7.4673		6,379.816 1	6,379.816 1	0.1181	0.1275	6,420.759 5
<b>Total</b>	<b>2.3623</b>	<b>9.2933</b>	<b>23.5628</b>	<b>0.1006</b>	<b>64.0275</b>	<b>0.0933</b>	<b>64.1208</b>	<b>7.7731</b>	<b>0.0881</b>	<b>7.8612</b>		<b>10,431.20 42</b>	<b>10,431.20 42</b>	<b>0.2430</b>	<b>0.7412</b>	<b>10,658.14 07</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 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	4.6508	43.7176	72.2778	0.1153		1.8212	1.8212		1.6984	1.6984		11,120.7208	11,120.7208	3.0612		11,197.2515
<b>Total</b>	<b>4.6508</b>	<b>43.7176</b>	<b>72.2778</b>	<b>0.1153</b>		<b>1.8212</b>	<b>1.8212</b>		<b>1.6984</b>	<b>1.6984</b>		<b>11,120.7208</b>	<b>11,120.7208</b>	<b>3.0612</b>		<b>11,197.2515</b>

**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	0.0608	3.5787	0.7430	0.0155	0.4524	0.0291	0.4814	0.1238	0.0278	0.1516		1,690.1779	1,690.1779	0.0678	0.2681	1,771.7505
Vendor	0.0967	4.3584	0.9335	0.0212	0.7392	0.0299	0.7691	0.2125	0.0286	0.2411		2,278.1385	2,278.1385	0.0549	0.3337	2,378.9592
Worker	2.0667	1.0285	20.2999	0.0610	357.3393	0.0317	357.3710	36.8319	0.0292	36.8611		6,162.7431	6,162.7431	0.1060	0.1187	6,200.7773
<b>Total</b>	<b>2.2242</b>	<b>8.9656</b>	<b>21.9764</b>	<b>0.0977</b>	<b>358.5308</b>	<b>0.0906</b>	<b>358.6215</b>	<b>37.1683</b>	<b>0.0856</b>	<b>37.2539</b>		<b>10,131.0594</b>	<b>10,131.0594</b>	<b>0.2287</b>	<b>0.7205</b>	<b>10,351.4871</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2025**

**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	1.3753	5.9598	83.0401	0.1153		0.1834	0.1834		0.1834	0.1834	0.0000	11,120.7208	11,120.7208	3.0612		11,197.2515
<b>Total</b>	<b>1.3753</b>	<b>5.9598</b>	<b>83.0401</b>	<b>0.1153</b>		<b>0.1834</b>	<b>0.1834</b>		<b>0.1834</b>	<b>0.1834</b>	<b>0.0000</b>	<b>11,120.7208</b>	<b>11,120.7208</b>	<b>3.0612</b>		<b>11,197.2515</b>

**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	0.0608	3.5787	0.7430	0.0155	0.4524	0.0291	0.4814	0.1238	0.0278	0.1516		1,690.1779	1,690.1779	0.0678	0.2681	1,771.7505
Vendor	0.0967	4.3584	0.9335	0.0212	0.7392	0.0299	0.7691	0.2125	0.0286	0.2411		2,278.1385	2,278.1385	0.0549	0.3337	2,378.9592
Worker	2.0667	1.0285	20.2999	0.0610	62.8358	0.0317	62.8674	7.4367	0.0292	7.4659		6,162.7431	6,162.7431	0.1060	0.1187	6,200.7773
<b>Total</b>	<b>2.2242</b>	<b>8.9656</b>	<b>21.9764</b>	<b>0.0977</b>	<b>64.0273</b>	<b>0.0906</b>	<b>64.1179</b>	<b>7.7731</b>	<b>0.0856</b>	<b>7.8586</b>		<b>10,131.0594</b>	<b>10,131.0594</b>	<b>0.2287</b>	<b>0.7205</b>	<b>10,351.4871</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.8 Gen-Tie 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	0.5416	3.6337	3.3756	0.0130		0.1454	0.1454		0.1337	0.1337		1,257.607 1	1,257.607 1	0.4067		1,267.775 5
<b>Total</b>	<b>0.5416</b>	<b>3.6337</b>	<b>3.3756</b>	<b>0.0130</b>		<b>0.1454</b>	<b>0.1454</b>		<b>0.1337</b>	<b>0.1337</b>		<b>1,257.607 1</b>	<b>1,257.607 1</b>	<b>0.4067</b>		<b>1,267.775 5</b>

**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	0.0621	3.6686	0.7377	0.0158	0.4511	0.0295	0.4806	0.1235	0.0283	0.1518		1,721.084 9	1,721.084 9	0.0687	0.2729	1,804.130 6
Vendor	0.0101	0.4459	0.0966	2.1700e-003	0.0739	3.0500e-003	0.0770	0.0213	2.9200e-003	0.0242		232.5038	232.5038	5.6100e-003	0.0340	242.7731
Worker	0.0739	0.0388	0.7347	2.1200e-003	12.0114	1.1200e-003	12.0125	1.2381	1.0300e-003	1.2391		214.4476	214.4476	3.9700e-003	4.2900e-003	215.8239
<b>Total</b>	<b>0.1462</b>	<b>4.1533</b>	<b>1.5690</b>	<b>0.0201</b>	<b>12.5364</b>	<b>0.0337</b>	<b>12.5701</b>	<b>1.3828</b>	<b>0.0322</b>	<b>1.4150</b>		<b>2,168.036 2</b>	<b>2,168.036 2</b>	<b>0.0783</b>	<b>0.3112</b>	<b>2,262.727 5</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.8 Gen-Tie Construction - 2024**

**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	0.1609	0.6970	5.8978	0.0130		0.0215	0.0215		0.0215	0.0215	0.0000	1,257.607 1	1,257.607 1	0.4067		1,267.775 5
<b>Total</b>	<b>0.1609</b>	<b>0.6970</b>	<b>5.8978</b>	<b>0.0130</b>		<b>0.0215</b>	<b>0.0215</b>		<b>0.0215</b>	<b>0.0215</b>	<b>0.0000</b>	<b>1,257.607 1</b>	<b>1,257.607 1</b>	<b>0.4067</b>		<b>1,267.775 5</b>

**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	0.0621	3.6686	0.7377	0.0158	0.4511	0.0295	0.4806	0.1235	0.0283	0.1518		1,721.084 9	1,721.084 9	0.0687	0.2729	1,804.130 6
Vendor	0.0101	0.4459	0.0966	2.1700e-003	0.0739	3.0500e-003	0.0770	0.0213	2.9200e-003	0.0242		232.5038	232.5038	5.6100e-003	0.0340	242.7731
Worker	0.0739	0.0388	0.7347	2.1200e-003	2.1121	1.1200e-003	2.1132	0.2500	1.0300e-003	0.2510		214.4476	214.4476	3.9700e-003	4.2900e-003	215.8239
<b>Total</b>	<b>0.1462</b>	<b>4.1533</b>	<b>1.5690</b>	<b>0.0201</b>	<b>2.6371</b>	<b>0.0337</b>	<b>2.6708</b>	<b>0.3947</b>	<b>0.0322</b>	<b>0.4269</b>		<b>2,168.036 2</b>	<b>2,168.036 2</b>	<b>0.0783</b>	<b>0.3112</b>	<b>2,262.727 5</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.9 Testing, Commissioning, Site Clean Up - 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	1.2295	9.6187	16.3546	0.0282		0.3958	0.3958		0.3641	0.3641		2,730.7075	2,730.7075	0.8832		2,752.7867
<b>Total</b>	<b>1.2295</b>	<b>9.6187</b>	<b>16.3546</b>	<b>0.0282</b>		<b>0.3958</b>	<b>0.3958</b>		<b>0.3641</b>	<b>0.3641</b>		<b>2,730.7075</b>	<b>2,730.7075</b>	<b>0.8832</b>		<b>2,752.7867</b>

**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	0.0608	3.5784	0.7430	0.0155	0.4523	0.0291	0.4814	0.1238	0.0278	0.1516		1,690.0301	1,690.0301	0.0678	0.2680	1,771.5956
Vendor	9.6700e-003	0.4358	0.0934	2.1200e-003	0.0739	2.9900e-003	0.0769	0.0213	2.8600e-003	0.0241		227.8138	227.8138	5.4900e-003	0.0334	237.8959
Worker	0.1129	0.0562	1.1088	3.3300e-003	19.5185	1.7300e-003	19.5203	2.0118	1.5900e-003	2.0134		336.6204	336.6204	5.7900e-003	6.4900e-003	338.6979
<b>Total</b>	<b>0.1834</b>	<b>4.0704</b>	<b>1.9451</b>	<b>0.0209</b>	<b>20.0448</b>	<b>0.0338</b>	<b>20.0786</b>	<b>2.1569</b>	<b>0.0322</b>	<b>2.1892</b>		<b>2,254.4644</b>	<b>2,254.4644</b>	<b>0.0791</b>	<b>0.3079</b>	<b>2,348.1895</b>



CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.9 Testing, Commissioning, Site Clean Up - 2025**

**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	0.3733	2.5593	19.4229	0.0282		0.0464	0.0464		0.0464	0.0464	0.0000	2,730.7075	2,730.7075	0.8832		2,752.7867
<b>Total</b>	<b>0.3733</b>	<b>2.5593</b>	<b>19.4229</b>	<b>0.0282</b>		<b>0.0464</b>	<b>0.0464</b>		<b>0.0464</b>	<b>0.0464</b>	<b>0.0000</b>	<b>2,730.7075</b>	<b>2,730.7075</b>	<b>0.8832</b>		<b>2,752.7867</b>

**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	0.0608	3.5784	0.7430	0.0155	0.4523	0.0291	0.4814	0.1238	0.0278	0.1516		1,690.0301	1,690.0301	0.0678	0.2680	1,771.5956
Vendor	9.6700e-003	0.4358	0.0934	2.1200e-003	0.0739	2.9900e-003	0.0769	0.0213	2.8600e-003	0.0241		227.8138	227.8138	5.4900e-003	0.0334	237.8959
Worker	0.1129	0.0562	1.1088	3.3300e-003	3.4322	1.7300e-003	3.4339	0.4062	1.5900e-003	0.4078		336.6204	336.6204	5.7900e-003	6.4900e-003	338.6979
<b>Total</b>	<b>0.1834</b>	<b>4.0704</b>	<b>1.9451</b>	<b>0.0209</b>	<b>3.9585</b>	<b>0.0338</b>	<b>3.9922</b>	<b>0.5513</b>	<b>0.0322</b>	<b>0.5835</b>		<b>2,254.4644</b>	<b>2,254.4644</b>	<b>0.0791</b>	<b>0.3079</b>	<b>2,348.1895</b>

**4.0 Operational Detail - Mobile**

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.1834	0.1970	1.6708	3.6500e-003	0.3770	2.6200e-003	0.3797	0.1005	2.4500e-003	0.1030		371.7569	371.7569	0.0212	0.0158	376.9805
Unmitigated	0.1834	0.1970	1.6708	3.6500e-003	0.3770	2.6200e-003	0.3797	0.1005	2.4500e-003	0.1030		371.7569	371.7569	0.0212	0.0158	376.9805

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	20.00	20.00	20.00	62,353	62,353
User Defined Industrial	32.00	0.00	0.00	83,200	83,200
<b>Total</b>	<b>52.00</b>	<b>20.00</b>	<b>20.00</b>	<b>145,553</b>	<b>145,553</b>

**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
Unrefrigerated Warehouse-No Rail	10.00	5.00	6.50	59.00	0.00	41.00	100	0	0
User Defined Industrial	10.00	5.00	6.50	100.00	0.00	0.00	100	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.546433	0.056674	0.183423	0.128799	0.024661	0.005883	0.013276	0.009437	0.000898	0.000581	0.025768	0.000959	0.003207

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

User Defined Industrial	0.546433	0.056674	0.183423	0.128799	0.024661	0.005883	0.013276	0.009437	0.000898	0.000581	0.025768	0.000959	0.003207
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**5.0 Energy Detail**

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

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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					
Unrefrigerated Warehouse-No Rail	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
User Defined Industrial	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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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					
Unrefrigerated Warehouse-No Rail	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
User Defined Industrial	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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	1.0000e-004	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
Unmitigated	1.0000e-004	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003

**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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-004	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
<b>Total</b>	<b>1.0000e-004</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.4100e-003</b>	<b>2.4100e-003</b>	<b>1.0000e-005</b>		<b>2.5600e-003</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**6.2 Area by SubCategory**

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-004	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
<b>Total</b>	<b>1.0000e-004</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.4100e-003</b>	<b>2.4100e-003</b>	<b>1.0000e-005</b>		<b>2.5600e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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Fire Pumps and Emergency Generators

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	0.5	50	2000	0.73	Diesel

**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**10.1 Stationary Sources**

**Unmitigated/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
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (750 - 9999 HP)	3.2821	14.6775	8.3688	0.0158		0.4828	0.4828		0.4828	0.4828		1,679.028 2	1,679.028 2	0.2354		1,684.913 2
<b>Total</b>	<b>3.2821</b>	<b>14.6775</b>	<b>8.3688</b>	<b>0.0158</b>		<b>0.4828</b>	<b>0.4828</b>		<b>0.4828</b>	<b>0.4828</b>		<b>1,679.028 2</b>	<b>1,679.028 2</b>	<b>0.2354</b>		<b>1,684.913 2</b>

**11.0 Vegetation**

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CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**CCAR Solar - Mitigated SMAQMD  
Sacramento Metropolitan AQMD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	10.00	1000sqft	2,555.00	10,000.00	0
User Defined Industrial	1.00	User Defined Unit	0.00	1.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	3.5	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	6			<b>Operational Year</b>	2025
<b>Utility Company</b>	Sacramento Municipal Utility District				
<b>CO2 Intensity (lb/MWhr)</b>	357.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - Operational year 2023.

Land Use - 2,555 acers based on total development area.

Construction Phase - Construction phasing information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant. Off-Highway Trucks include 3 water trucks and 3 dump trucks.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.



CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Off-road Equipment - Construction equipment information was provided by the project applicant.

Trips and VMT - Construction trip information is based on data provided by the project applicant.

On-road Fugitive Dust - Assumed 0.5 miles of travel on unpaved roads for worker vehicles.

Grading - 250,000 cy of export

Vehicle Trips - Trip rates were modified to be consistent with the anticipated operation and maintenance activity of 10 trips per day.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - No architectural coatings.

Energy Use - Modified energy demand factors to account for an energy demand of 1,236 MW annually. The energy demand was provided by the project applicant.

Water And Wastewater - Outdoor watert use is consisitent with the Project Description of 2.2 acre-feet for operation. Water for construction modeled in user defined industrial.

Solid Waste - CalEEMod defaults.

Construction Off-road Equipment Mitigation - Included watering 3x daily, unpaved road stablization and vehicle speed reduction as Enhanced Fugitive PM dust control control in practices as recommended by the SMAQMD

Fleet Mix - CalEEMod defaults.

Stationary Sources - Emergency Generators and Fire Pumps - Two, 2,000 horse power Diesel emergency generartos

Consumer Products - No consumer products.

Landscape Equipment - No landscaping.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	0
tblAreaCoating	Area_EF_Nonresidential_Interior	100	0
tblAreaCoating	ReapplicationRatePercent	10	0
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorV alue	100	0
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorV alue	100	0
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	24.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	16.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	6,000.00	220.00
tblConstructionPhase	NumDays	6,000.00	65.00

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblConstructionPhase	NumDays	6,000.00	68.00
tblConstructionPhase	NumDays	155,000.00	230.00
tblConstructionPhase	NumDays	155,000.00	200.00
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	LightingElect	1.60	0.00
tblEnergyUse	NT24E	1.36	123.60
tblEnergyUse	T24E	0.23	0.00
tblEnergyUse	T24NG	0.49	0.00
tblGrading	MaterialExported	0.00	250,000.00
tblLandscapeEquipment	NumberSummerDays	250	0
tblLandUse	LandUseSquareFeet	0.00	1.00
tblLandUse	LotAcreage	0.23	2,555.00
tblOffRoadEquipment	HorsePower	85.00	950.00
tblOffRoadEquipment	HorsePower	158.00	172.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	300.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	200.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	168.00	350.00
tblOffRoadEquipment	HorsePower	168.00	160.00
tblOffRoadEquipment	HorsePower	168.00	790.00
tblOffRoadEquipment	HorsePower	168.00	755.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00



CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripNumber	31,250.00	5,302.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,292.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,350.00
tblTripsAndVMT	HaulingTripNumber	0.00	4,582.00
tblTripsAndVMT	HaulingTripNumber	0.00	2,184.00
tblTripsAndVMT	HaulingTripNumber	0.00	3,994.00
tblTripsAndVMT	HaulingTripNumber	0.00	438.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,258.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripNumber	0.00	16.00
tblTripsAndVMT	VendorTripNumber	0.00	16.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tbITripsAndVMT	VendorTripNumber	2.00	4.00
tbITripsAndVMT	VendorTripNumber	0.00	2.00
tbITripsAndVMT	VendorTripNumber	2.00	40.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripNumber	33.00	50.00
tbITripsAndVMT	WorkerTripNumber	8.00	74.00
tbITripsAndVMT	WorkerTripNumber	4.00	100.00
tbITripsAndVMT	WorkerTripNumber	15.00	100.00
tbITripsAndVMT	WorkerTripNumber	4.00	476.00
tbITripsAndVMT	WorkerTripNumber	5.00	16.00
tbITripsAndVMT	WorkerTripNumber	15.00	26.00
tbIVehicleTrips	CC_TL	7.50	5.00
tbIVehicleTrips	CC_TL	7.50	5.00
tbIVehicleTrips	CNW_TL	8.50	6.50
tbIVehicleTrips	CNW_TL	8.50	6.50
tbIVehicleTrips	CW_TL	15.00	10.00
tbIVehicleTrips	CW_TL	15.00	10.00
tbIVehicleTrips	CW_TTP	0.00	100.00
tbIVehicleTrips	DV_TP	5.00	0.00
tbIVehicleTrips	PB_TP	3.00	0.00

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	1.74	2.00
tblVehicleTrips	SU_TR	1.74	2.00
tblVehicleTrips	WD_TR	1.74	2.00
tblVehicleTrips	WD_TR	0.00	32.00
tblWater	IndoorWaterUseRate	2,312,500.00	0.00
tblWater	OutdoorWaterUseRate	0.00	716,873.00
tblWater	OutdoorWaterUseRate	0.00	82,440,413.00

**2.0 Emissions Summary**

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CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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					
2024	18.2380	159.5488	193.9689	0.5379	569.5078	5.5562	575.0640	62.0409	5.1458	67.1867	0.0000	53,795.75 47	53,795.75 47	10.5117	2.2129	54,718.00 23
2025	16.4525	136.9803	185.6983	0.5000	556.9709	4.7219	561.6927	60.6579	4.3732	65.0311	0.0000	49,871.04 98	49,871.04 98	9.9933	1.8519	50,672.74 45
<b>Maximum</b>	<b>18.2380</b>	<b>159.5488</b>	<b>193.9689</b>	<b>0.5379</b>	<b>569.5078</b>	<b>5.5562</b>	<b>575.0640</b>	<b>62.0409</b>	<b>5.1458</b>	<b>67.1867</b>	<b>0.0000</b>	<b>53,795.75 47</b>	<b>53,795.75 47</b>	<b>10.5117</b>	<b>2.2129</b>	<b>54,718.00 23</b>

**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					
2024	7.8370	48.3773	236.3042	0.5379	104.8210	0.7953	105.6163	13.9325	0.7823	14.7148	0.0000	53,795.75 46	53,795.75 46	10.5117	2.2129	54,718.00 23
2025	7.3371	42.3159	227.0393	0.5000	102.1833	0.7343	102.9176	13.5376	0.7232	14.2608	0.0000	49,871.04 98	49,871.04 98	9.9933	1.8519	50,672.74 45
<b>Maximum</b>	<b>7.8370</b>	<b>48.3773</b>	<b>236.3042</b>	<b>0.5379</b>	<b>104.8210</b>	<b>0.7953</b>	<b>105.6163</b>	<b>13.9325</b>	<b>0.7823</b>	<b>14.7148</b>	<b>0.0000</b>	<b>53,795.75 46</b>	<b>53,795.75 46</b>	<b>10.5117</b>	<b>2.2129</b>	<b>54,718.00 23</b>



CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	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	56.26	69.42	-22.04	0.00	81.62	85.12	81.66	77.61	84.18	78.08	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	1.0000e-004	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
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	0.1486	0.2281	1.6162	3.3300e-003	0.3770	2.6300e-003	0.3797	0.1005	2.4500e-003	0.1030		339.8466	339.8466	0.0233	0.0172	345.5426
Stationary	3.2821	14.6775	8.3688	0.0158		0.4828	0.4828		0.4828	0.4828		1,679.0282	1,679.0282	0.2354		1,684.9132
<b>Total</b>	<b>3.4309</b>	<b>14.9056</b>	<b>9.9860</b>	<b>0.0191</b>	<b>0.3770</b>	<b>0.4854</b>	<b>0.8625</b>	<b>0.1005</b>	<b>0.4853</b>	<b>0.5858</b>		<b>2,018.8773</b>	<b>2,018.8773</b>	<b>0.2588</b>	<b>0.0172</b>	<b>2,030.4584</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**2.2 Overall Operational**

**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	1.0000e-004	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
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	0.1486	0.2281	1.6162	3.3300e-003	0.3770	2.6300e-003	0.3797	0.1005	2.4500e-003	0.1030		339.8466	339.8466	0.0233	0.0172	345.5426
Stationary	3.2821	14.6775	8.3688	0.0158		0.4828	0.4828		0.4828	0.4828		1,679.0282	1,679.0282	0.2354		1,684.9132
<b>Total</b>	<b>3.4309</b>	<b>14.9056</b>	<b>9.9860</b>	<b>0.0191</b>	<b>0.3770</b>	<b>0.4854</b>	<b>0.8625</b>	<b>0.1005</b>	<b>0.4853</b>	<b>0.5858</b>		<b>2,018.8773</b>	<b>2,018.8773</b>	<b>0.2588</b>	<b>0.0172</b>	<b>2,030.4584</b>

	ROG	NOx	CO	SO2	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	3/1/2024	1/2/2025	5	220	
2	Perimeter Fence Installation	Site Preparation	3/1/2024	5/30/2024	5	65	
3	Tree Removal	Site Preparation	3/1/2024	6/4/2024	5	68	
4	Energy Storage System	Building Construction	8/1/2024	6/18/2025	5	230	

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

5	Underground Work (Utilities)	Trenching	9/1/2024	1/31/2025	5	110
6	System Installation	Building Construction	9/25/2024	7/1/2025	5	200
7	Gen-Tie Construction	Trenching	10/1/2024	10/30/2024	5	22
8	Testing, Commissioning, Site Clean Up	Trenching	6/1/2025	8/27/2025	5	63

**Acres of Grading (Site Preparation Phase): 550**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	2	8.00	187	0.41
Site Preparation	Off-Highway Trucks	6	8.00	402	0.38
Site Preparation	Rollers	2	8.00	80	0.38
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Perimeter Fence Installation	Off-Highway Trucks	1	8.00	150	0.38
Perimeter Fence Installation	Rough Terrain Forklifts	1	8.00	100	0.40
Perimeter Fence Installation	Rubber Tired Dozers	0	0.00	247	0.40
Perimeter Fence Installation	Skid Steer Loaders	1	8.00	65	0.37
Perimeter Fence Installation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Tree Removal	Crushing/Proc. Equipment	1	8.00	950	0.78
Tree Removal	Excavators	3	8.00	172	0.38
Tree Removal	Other Material Handling Equipment	1	8.00	350	0.40
Tree Removal	Other Material Handling Equipment	1	8.00	160	0.40
Tree Removal	Other Material Handling Equipment	1	8.00	790	0.40

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Tree Removal	Other Material Handling Equipment	1	8.00	755	0.40
Tree Removal	Rubber Tired Dozers	0	8.00	247	0.40
Tree Removal	Skid Steer Loaders	4	8.00	65	0.37
Tree Removal	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Energy Storage System	Cranes	1	8.00	231	0.29
Energy Storage System	Forklifts	0	0.00	89	0.20
Energy Storage System	Generator Sets	0	0.00	84	0.74
Energy Storage System	Graders	0	8.00	187	0.41
Energy Storage System	Off-Highway Trucks	5	8.00	150	0.38
Energy Storage System	Rough Terrain Forklifts	4	8.00	100	0.40
Energy Storage System	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Energy Storage System	Welders	0	0.00	46	0.45
Underground Work (Utilities)	Cranes	0	0.00	231	0.29
Underground Work (Utilities)	Excavators	2	8.00	158	0.38
Underground Work (Utilities)	Off-Highway Trucks	1	8.00	300	0.38
Underground Work (Utilities)	Other Construction Equipment	1	8.00	172	0.42
Underground Work (Utilities)	Rollers	1	8.00	80	0.38
Underground Work (Utilities)	Rough Terrain Forklifts	1	8.00	100	0.40
System Installation	Cranes	1	8.00	231	0.29
System Installation	Forklifts	0	0.00	89	0.20
System Installation	Generator Sets	3	8.00	84	0.74
System Installation	Off-Highway Trucks	5	8.00	150	0.38
System Installation	Other Construction Equipment	5	8.00	172	0.42
System Installation	Rough Terrain Forklifts	10	8.00	100	0.40
System Installation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
System Installation	Welders	0	0.00	46	0.45
Gen-Tie Construction	Off-Highway Trucks	2	8.00	200	0.38
Testing, Comissioning, Site Clean Up	Graders	1	8.00	187	0.41
Testing, Comissioning, Site Clean Up	Off-Highway Trucks	4	8.00	150	0.38

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Testing, Comissioning, Site Clean Up	Skid Steer Loaders	1	8.00	65	0.37
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**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	13	50.00	16.00	5,302.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
Perimeter Fence Installation	3	74.00	16.00	1,292.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
Tree Removal	12	30.00	4.00	1,350.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
Energy Storage System	11	100.00	4.00	4,582.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
Underground Work (Utilities)	6	100.00	2.00	2,184.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
System Installation	24	476.00	40.00	3,994.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
Gen-Tie Construction	2	16.00	4.00	438.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
Testing, Comissioning, Site Cle	6	26.00	4.00	1,258.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

- Use Cleaner Engines for Construction Equipment
- Use Soil Stabilizer
- Replace Ground Cover
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 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					
Fugitive Dust					8.9083	0.0000	8.9083	3.6321	0.0000	3.6321			0.0000			0.0000
Off-Road	5.5818	47.5988	37.8480	0.1247		1.8416	1.8416		1.6943	1.6943		12,069.25 47	12,069.25 47	3.9034		12,166.84 07
<b>Total</b>	<b>5.5818</b>	<b>47.5988</b>	<b>37.8480</b>	<b>0.1247</b>	<b>8.9083</b>	<b>1.8416</b>	<b>10.7499</b>	<b>3.6321</b>	<b>1.6943</b>	<b>5.3264</b>		<b>12,069.25 47</b>	<b>12,069.25 47</b>	<b>3.9034</b>		<b>12,166.84 07</b>

**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	0.0721	4.8062	0.9063	0.0191	0.5461	0.0359	0.5819	0.1495	0.0343	0.1838		2,084.371 9	2,084.371 9	0.0830	0.3305	2,184.946 5
Vendor	0.0404	1.9313	0.3934	8.6700e-003	0.2957	0.0122	0.3079	0.0850	0.0117	0.0967		930.2801	930.2801	0.0224	0.1362	971.4222
Worker	0.2237	0.1491	1.8734	5.8900e-003	37.5356	3.4900e-003	37.5391	3.8689	3.2100e-003	3.8721		595.4237	595.4237	0.0131	0.0154	600.3311
<b>Total</b>	<b>0.3362</b>	<b>6.8866</b>	<b>3.1731</b>	<b>0.0337</b>	<b>38.3774</b>	<b>0.0516</b>	<b>38.4290</b>	<b>4.1034</b>	<b>0.0492</b>	<b>4.1526</b>		<b>3,610.075 7</b>	<b>3,610.075 7</b>	<b>0.1184</b>	<b>0.4821</b>	<b>3,756.699 8</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2024**

**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					3.3005	0.0000	3.3005	1.3457	0.0000	1.3457			0.0000			0.0000
Off-Road	1.5255	6.6104	58.4921	0.1247		0.2034	0.2034		0.2034	0.2034	0.0000	12,069.25 47	12,069.25 47	3.9034		12,166.84 07
<b>Total</b>	<b>1.5255</b>	<b>6.6104</b>	<b>58.4921</b>	<b>0.1247</b>	<b>3.3005</b>	<b>0.2034</b>	<b>3.5039</b>	<b>1.3457</b>	<b>0.2034</b>	<b>1.5491</b>	<b>0.0000</b>	<b>12,069.25 47</b>	<b>12,069.25 47</b>	<b>3.9034</b>		<b>12,166.84 07</b>

**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	0.0721	4.8062	0.9063	0.0191	0.5461	0.0359	0.5819	0.1495	0.0343	0.1838		2,084.371 9	2,084.371 9	0.0830	0.3305	2,184.946 5
Vendor	0.0404	1.9313	0.3934	8.6700e-003	0.2957	0.0122	0.3079	0.0850	0.0117	0.0967		930.2801	930.2801	0.0224	0.1362	971.4222
Worker	0.2237	0.1491	1.8734	5.8900e-003	6.6004	3.4900e-003	6.6039	0.7812	3.2100e-003	0.7844		595.4237	595.4237	0.0131	0.0154	600.3311
<b>Total</b>	<b>0.3362</b>	<b>6.8866</b>	<b>3.1731</b>	<b>0.0337</b>	<b>7.4421</b>	<b>0.0516</b>	<b>7.4937</b>	<b>1.0157</b>	<b>0.0492</b>	<b>1.0649</b>		<b>3,610.075 7</b>	<b>3,610.075 7</b>	<b>0.1184</b>	<b>0.4821</b>	<b>3,756.699 8</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 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					
Fugitive Dust					8.9083	0.0000	8.9083	3.6321	0.0000	3.6321			0.0000			0.0000
Off-Road	5.2136	41.3329	36.6024	0.1246		1.5773	1.5773		1.4511	1.4511		12,063.8187	12,063.8187	3.9017		12,161.3608
<b>Total</b>	<b>5.2136</b>	<b>41.3329</b>	<b>36.6024</b>	<b>0.1246</b>	<b>8.9083</b>	<b>1.5773</b>	<b>10.4856</b>	<b>3.6321</b>	<b>1.4511</b>	<b>5.0832</b>		<b>12,063.8187</b>	<b>12,063.8187</b>	<b>3.9017</b>		<b>12,161.3608</b>

**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	0.0703	4.6748	0.9097	0.0187	0.5459	0.0352	0.5811	0.1495	0.0336	0.1831		2,040.7625	2,040.7625	0.0816	0.3237	2,139.2548
Vendor	0.0385	1.8875	0.3808	8.4900e-003	0.2957	0.0120	0.3077	0.0850	0.0115	0.0965		911.5514	911.5514	0.0219	0.1337	951.9395
Worker	0.2110	0.1328	1.7437	5.6900e-003	37.5356	3.3300e-003	37.5390	3.8689	3.0600e-003	3.8720		575.3395	575.3395	0.0118	0.0143	579.8982
<b>Total</b>	<b>0.3198</b>	<b>6.6951</b>	<b>3.0342</b>	<b>0.0329</b>	<b>38.3772</b>	<b>0.0505</b>	<b>38.4277</b>	<b>4.1034</b>	<b>0.0482</b>	<b>4.1515</b>		<b>3,527.6533</b>	<b>3,527.6533</b>	<b>0.1153</b>	<b>0.4717</b>	<b>3,671.0925</b>



CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2025**

**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					3.3005	0.0000	3.3005	1.3457	0.0000	1.3457			0.0000			0.0000
Off-Road	1.5255	6.6104	58.4921	0.1246		0.2034	0.2034		0.2034	0.2034	0.0000	12,063.8187	12,063.8187	3.9017		12,161.3608
<b>Total</b>	<b>1.5255</b>	<b>6.6104</b>	<b>58.4921</b>	<b>0.1246</b>	<b>3.3005</b>	<b>0.2034</b>	<b>3.5039</b>	<b>1.3457</b>	<b>0.2034</b>	<b>1.5491</b>	<b>0.0000</b>	<b>12,063.8187</b>	<b>12,063.8187</b>	<b>3.9017</b>		<b>12,161.3608</b>

**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	0.0703	4.6748	0.9097	0.0187	0.5459	0.0352	0.5811	0.1495	0.0336	0.1831		2,040.7625	2,040.7625	0.0816	0.3237	2,139.2548
Vendor	0.0385	1.8875	0.3808	8.4900e-003	0.2957	0.0120	0.3077	0.0850	0.0115	0.0965		911.5514	911.5514	0.0219	0.1337	951.9395
Worker	0.2110	0.1328	1.7437	5.6900e-003	6.6004	3.3300e-003	6.6037	0.7812	3.0600e-003	0.7842		575.3395	575.3395	0.0118	0.0143	579.8982
<b>Total</b>	<b>0.3198</b>	<b>6.6951</b>	<b>3.0342</b>	<b>0.0329</b>	<b>7.4420</b>	<b>0.0505</b>	<b>7.4925</b>	<b>1.0156</b>	<b>0.0482</b>	<b>1.0638</b>		<b>3,527.6533</b>	<b>3,527.6533</b>	<b>0.1153</b>	<b>0.4717</b>	<b>3,671.0925</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Perimeter Fence Installation - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3898	3.6790	7.0160	0.0104		0.1380	0.1380		0.1270	0.1270		1,007.0634	1,007.0634	0.3257		1,015.2060
<b>Total</b>	<b>0.3898</b>	<b>3.6790</b>	<b>7.0160</b>	<b>0.0104</b>	<b>0.0000</b>	<b>0.1380</b>	<b>0.1380</b>	<b>0.0000</b>	<b>0.1270</b>	<b>0.1270</b>		<b>1,007.0634</b>	<b>1,007.0634</b>	<b>0.3257</b>		<b>1,015.2060</b>

**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	0.0595	3.9640	0.7475	0.0157	0.4504	0.0296	0.4799	0.1233	0.0283	0.1516		1,719.1245	1,719.1245	0.0684	0.2726	1,802.0753
Vendor	0.0404	1.9313	0.3934	8.6700e-003	0.2957	0.0122	0.3079	0.0850	0.0117	0.0967		930.2801	930.2801	0.0224	0.1362	971.4222
Worker	0.3311	0.2206	2.7726	8.7200e-003	55.5528	5.1600e-003	55.5579	5.7260	4.7500e-003	5.7307		881.2271	881.2271	0.0193	0.0228	888.4901
<b>Total</b>	<b>0.4310</b>	<b>6.1159</b>	<b>3.9136</b>	<b>0.0331</b>	<b>56.2988</b>	<b>0.0470</b>	<b>56.3458</b>	<b>5.9343</b>	<b>0.0447</b>	<b>5.9790</b>		<b>3,530.6317</b>	<b>3,530.6317</b>	<b>0.1101</b>	<b>0.4316</b>	<b>3,661.9875</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Perimeter Fence Installation - 2024**

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1536	1.6070	7.8993	0.0104		0.0171	0.0171		0.0171	0.0171	0.0000	1,007.063 4	1,007.063 4	0.3257		1,015.206 0
<b>Total</b>	<b>0.1536</b>	<b>1.6070</b>	<b>7.8993</b>	<b>0.0104</b>	<b>0.0000</b>	<b>0.0171</b>	<b>0.0171</b>	<b>0.0000</b>	<b>0.0171</b>	<b>0.0171</b>	<b>0.0000</b>	<b>1,007.063 4</b>	<b>1,007.063 4</b>	<b>0.3257</b>		<b>1,015.206 0</b>

**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	0.0595	3.9640	0.7475	0.0157	0.4504	0.0296	0.4799	0.1233	0.0283	0.1516		1,719.124 5	1,719.124 5	0.0684	0.2726	1,802.075 3
Vendor	0.0404	1.9313	0.3934	8.6700e-003	0.2957	0.0122	0.3079	0.0850	0.0117	0.0967		930.2801	930.2801	0.0224	0.1362	971.4222
Worker	0.3311	0.2206	2.7726	8.7200e-003	9.7686	5.1600e-003	9.7738	1.1561	4.7500e-003	1.1609		881.2271	881.2271	0.0193	0.0228	888.4901
<b>Total</b>	<b>0.4310</b>	<b>6.1159</b>	<b>3.9136</b>	<b>0.0331</b>	<b>10.5146</b>	<b>0.0470</b>	<b>10.5616</b>	<b>1.3645</b>	<b>0.0447</b>	<b>1.4092</b>		<b>3,530.631 7</b>	<b>3,530.631 7</b>	<b>0.1101</b>	<b>0.4316</b>	<b>3,661.987 5</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Tree Removal - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.5961	14.0725	22.9085	0.0427		0.6089	0.6089		0.5602	0.5602		4,130.3198	4,130.3198	1.3358		4,163.7155
<b>Total</b>	<b>1.5961</b>	<b>14.0725</b>	<b>22.9085</b>	<b>0.0427</b>	<b>0.0000</b>	<b>0.6089</b>	<b>0.6089</b>	<b>0.0000</b>	<b>0.5602</b>	<b>0.5602</b>		<b>4,130.3198</b>	<b>4,130.3198</b>	<b>1.3358</b>		<b>4,163.7155</b>

**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	0.0594	3.9593	0.7466	0.0157	0.4498	0.0295	0.4794	0.1232	0.0283	0.1514		1,717.0503	1,717.0503	0.0683	0.2723	1,799.9010
Vendor	0.0101	0.4828	0.0984	2.1700e-003	0.0739	3.0600e-003	0.0770	0.0213	2.9300e-003	0.0242		232.5700	232.5700	5.5900e-003	0.0341	242.8555
Worker	0.1342	0.0894	1.1240	3.5300e-003	22.5214	2.0900e-003	22.5235	2.3213	1.9300e-003	2.3233		357.2542	357.2542	7.8300e-003	9.2200e-003	360.1987
<b>Total</b>	<b>0.2037</b>	<b>4.5315</b>	<b>1.9690</b>	<b>0.0214</b>	<b>23.0451</b>	<b>0.0347</b>	<b>23.0798</b>	<b>2.4657</b>	<b>0.0331</b>	<b>2.4989</b>		<b>2,306.8746</b>	<b>2,306.8746</b>	<b>0.0818</b>	<b>0.3156</b>	<b>2,402.9553</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Tree Removal - 2024**

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.6270	6.4835	28.6819	0.0427		0.0700	0.0700		0.0700	0.0700	0.0000	4,130.319 7	4,130.319 7	1.3358		4,163.715 5
<b>Total</b>	<b>0.6270</b>	<b>6.4835</b>	<b>28.6819</b>	<b>0.0427</b>	<b>0.0000</b>	<b>0.0700</b>	<b>0.0700</b>	<b>0.0000</b>	<b>0.0700</b>	<b>0.0700</b>	<b>0.0000</b>	<b>4,130.319 7</b>	<b>4,130.319 7</b>	<b>1.3358</b>		<b>4,163.715 5</b>

**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	0.0594	3.9593	0.7466	0.0157	0.4498	0.0295	0.4794	0.1232	0.0283	0.1514		1,717.050 3	1,717.050 3	0.0683	0.2723	1,799.901 0
Vendor	0.0101	0.4828	0.0984	2.1700e-003	0.0739	3.0600e-003	0.0770	0.0213	2.9300e-003	0.0242		232.5700	232.5700	5.5900e-003	0.0341	242.8555
Worker	0.1342	0.0894	1.1240	3.5300e-003	3.9602	2.0900e-003	3.9623	0.4687	1.9300e-003	0.4706		357.2542	357.2542	7.8300e-003	9.2200e-003	360.1987
<b>Total</b>	<b>0.2037</b>	<b>4.5315</b>	<b>1.9690</b>	<b>0.0214</b>	<b>4.4840</b>	<b>0.0347</b>	<b>4.5187</b>	<b>0.6131</b>	<b>0.0331</b>	<b>0.6462</b>		<b>2,306.874 6</b>	<b>2,306.874 6</b>	<b>0.0818</b>	<b>0.3156</b>	<b>2,402.955 3</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 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	2.0105	17.8649	29.8788	0.0471		0.7284	0.7284		0.6701	0.6701		4,559.3185	4,559.3185	1.4746		4,596.1829
<b>Total</b>	<b>2.0105</b>	<b>17.8649</b>	<b>29.8788</b>	<b>0.0471</b>		<b>0.7284</b>	<b>0.7284</b>		<b>0.6701</b>	<b>0.6701</b>		<b>4,559.3185</b>	<b>4,559.3185</b>	<b>1.4746</b>		<b>4,596.1829</b>

**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	0.0596	3.9730	0.7492	0.0158	0.4514	0.0296	0.4810	0.1236	0.0284	0.1519		1,723.0006	1,723.0006	0.0686	0.2732	1,806.1384
Vendor	0.0101	0.4828	0.0984	2.1700e-003	0.0739	3.0600e-003	0.0770	0.0213	2.9300e-003	0.0242		232.5700	232.5700	5.5900e-003	0.0341	242.8555
Worker	0.4474	0.2981	3.7468	0.0118	75.0713	6.9800e-003	75.0783	7.7378	6.4200e-003	7.7442		1,190.8475	1,190.8475	0.0261	0.0308	1,200.6623
<b>Total</b>	<b>0.5171</b>	<b>4.7539</b>	<b>4.5943</b>	<b>0.0297</b>	<b>75.5966</b>	<b>0.0397</b>	<b>75.6363</b>	<b>7.8826</b>	<b>0.0377</b>	<b>7.9204</b>		<b>3,146.4180</b>	<b>3,146.4180</b>	<b>0.1003</b>	<b>0.3380</b>	<b>3,249.6562</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2024**

**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	0.5798	2.5124	33.9807	0.0471		0.0773	0.0773		0.0773	0.0773	0.0000	4,559.3185	4,559.3185	1.4746		4,596.1829
<b>Total</b>	<b>0.5798</b>	<b>2.5124</b>	<b>33.9807</b>	<b>0.0471</b>		<b>0.0773</b>	<b>0.0773</b>		<b>0.0773</b>	<b>0.0773</b>	<b>0.0000</b>	<b>4,559.3185</b>	<b>4,559.3185</b>	<b>1.4746</b>		<b>4,596.1829</b>

**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	0.0596	3.9730	0.7492	0.0158	0.4514	0.0296	0.4810	0.1236	0.0284	0.1519		1,723.0006	1,723.0006	0.0686	0.2732	1,806.1384
Vendor	0.0101	0.4828	0.0984	2.1700e-003	0.0739	3.0600e-003	0.0770	0.0213	2.9300e-003	0.0242		232.5700	232.5700	5.5900e-003	0.0341	242.8555
Worker	0.4474	0.2981	3.7468	0.0118	13.2008	6.9800e-003	13.2078	1.5623	6.4200e-003	1.5688		1,190.8475	1,190.8475	0.0261	0.0308	1,200.6623
<b>Total</b>	<b>0.5171</b>	<b>4.7539</b>	<b>4.5943</b>	<b>0.0297</b>	<b>13.7261</b>	<b>0.0397</b>	<b>13.7658</b>	<b>1.7072</b>	<b>0.0377</b>	<b>1.7449</b>		<b>3,146.4180</b>	<b>3,146.4180</b>	<b>0.1003</b>	<b>0.3380</b>	<b>3,249.6562</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 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	1.9067	16.3529	29.8349	0.0471		0.6587	0.6587		0.6060	0.6060		4,558.2434	4,558.2434	1.4742		4,595.0991
<b>Total</b>	<b>1.9067</b>	<b>16.3529</b>	<b>29.8349</b>	<b>0.0471</b>		<b>0.6587</b>	<b>0.6587</b>		<b>0.6060</b>	<b>0.6060</b>		<b>4,558.2434</b>	<b>4,558.2434</b>	<b>1.4742</b>		<b>4,595.0991</b>

**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	0.0581	3.8643	0.7520	0.0154	0.4513	0.0291	0.4803	0.1235	0.0278	0.1513		1,686.9518	1,686.9518	0.0675	0.2676	1,768.3683
Vendor	9.6300e-003	0.4719	0.0952	2.1200e-003	0.0739	3.0000e-003	0.0769	0.0213	2.8700e-003	0.0241		227.8878	227.8878	5.4700e-003	0.0334	237.9849
Worker	0.4221	0.2655	3.4874	0.0114	75.0713	6.6500e-003	75.0779	7.7378	6.1300e-003	7.7439		1,150.6789	1,150.6789	0.0236	0.0286	1,159.7963
<b>Total</b>	<b>0.4898</b>	<b>4.6017</b>	<b>4.3345</b>	<b>0.0289</b>	<b>75.5965</b>	<b>0.0387</b>	<b>75.6352</b>	<b>7.8826</b>	<b>0.0368</b>	<b>7.9194</b>		<b>3,065.5185</b>	<b>3,065.5185</b>	<b>0.0965</b>	<b>0.3296</b>	<b>3,166.1495</b>



CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2025**

**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	0.5798	2.5124	33.9807	0.0471		0.0773	0.0773		0.0773	0.0773	0.0000	4,558.243 4	4,558.243 4	1.4742		4,595.099 1
<b>Total</b>	<b>0.5798</b>	<b>2.5124</b>	<b>33.9807</b>	<b>0.0471</b>		<b>0.0773</b>	<b>0.0773</b>		<b>0.0773</b>	<b>0.0773</b>	<b>0.0000</b>	<b>4,558.243 4</b>	<b>4,558.243 4</b>	<b>1.4742</b>		<b>4,595.099 1</b>

**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	0.0581	3.8643	0.7520	0.0154	0.4513	0.0291	0.4803	0.1235	0.0278	0.1513		1,686.951 8	1,686.951 8	0.0675	0.2676	1,768.368 3
Vendor	9.6300e-003	0.4719	0.0952	2.1200e-003	0.0739	3.0000e-003	0.0769	0.0213	2.8700e-003	0.0241		227.8878	227.8878	5.4700e-003	0.0334	237.9849
Worker	0.4221	0.2655	3.4874	0.0114	13.2008	6.6500e-003	13.2074	1.5623	6.1300e-003	1.5685		1,150.678 9	1,150.678 9	0.0236	0.0286	1,159.796 3
<b>Total</b>	<b>0.4898</b>	<b>4.6017</b>	<b>4.3345</b>	<b>0.0289</b>	<b>13.7260</b>	<b>0.0387</b>	<b>13.7647</b>	<b>1.7071</b>	<b>0.0368</b>	<b>1.7439</b>		<b>3,065.518 5</b>	<b>3,065.518 5</b>	<b>0.0965</b>	<b>0.3296</b>	<b>3,166.149 5</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 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	1.3114	11.3747	17.1075	0.0325		0.5151	0.5151		0.4739	0.4739		3,142.1426	3,142.1426	1.0162		3,167.5485
<b>Total</b>	<b>1.3114</b>	<b>11.3747</b>	<b>17.1075</b>	<b>0.0325</b>		<b>0.5151</b>	<b>0.5151</b>		<b>0.4739</b>	<b>0.4739</b>		<b>3,142.1426</b>	<b>3,142.1426</b>	<b>1.0162</b>		<b>3,167.5485</b>

**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	0.0594	3.9596	0.7467	0.0157	0.4499	0.0295	0.4794	0.1232	0.0283	0.1514		1,717.1891	1,717.1891	0.0684	0.2723	1,800.0465
Vendor	5.0500e-003	0.2414	0.0492	1.0800e-003	0.0370	1.5300e-003	0.0385	0.0106	1.4600e-003	0.0121		116.2850	116.2850	2.7900e-003	0.0170	121.4278
Worker	0.4474	0.2981	3.7468	0.0118	75.0713	6.9800e-003	75.0783	7.7378	6.4200e-003	7.7442		1,190.8475	1,190.8475	0.0261	0.0308	1,200.6623
<b>Total</b>	<b>0.5119</b>	<b>4.4991</b>	<b>4.5426</b>	<b>0.0286</b>	<b>75.5581</b>	<b>0.0381</b>	<b>75.5961</b>	<b>7.8716</b>	<b>0.0361</b>	<b>7.9077</b>		<b>3,024.3215</b>	<b>3,024.3215</b>	<b>0.0972</b>	<b>0.3201</b>	<b>3,122.1365</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2024**

**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	0.3987	1.7275	21.5676	0.0325		0.0532	0.0532		0.0532	0.0532	0.0000	3,142.1426	3,142.1426	1.0162		3,167.5485
<b>Total</b>	<b>0.3987</b>	<b>1.7275</b>	<b>21.5676</b>	<b>0.0325</b>		<b>0.0532</b>	<b>0.0532</b>		<b>0.0532</b>	<b>0.0532</b>	<b>0.0000</b>	<b>3,142.1426</b>	<b>3,142.1426</b>	<b>1.0162</b>		<b>3,167.5485</b>

**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	0.0594	3.9596	0.7467	0.0157	0.4499	0.0295	0.4794	0.1232	0.0283	0.1514		1,717.1891	1,717.1891	0.0684	0.2723	1,800.0465
Vendor	5.0500e-003	0.2414	0.0492	1.0800e-003	0.0370	1.5300e-003	0.0385	0.0106	1.4600e-003	0.0121		116.2850	116.2850	2.7900e-003	0.0170	121.4278
Worker	0.4474	0.2981	3.7468	0.0118	13.2008	6.9800e-003	13.2078	1.5623	6.4200e-003	1.5688		1,190.8475	1,190.8475	0.0261	0.0308	1,200.6623
<b>Total</b>	<b>0.5119</b>	<b>4.4991</b>	<b>4.5426</b>	<b>0.0286</b>	<b>13.6876</b>	<b>0.0381</b>	<b>13.7257</b>	<b>1.6961</b>	<b>0.0361</b>	<b>1.7323</b>		<b>3,024.3215</b>	<b>3,024.3215</b>	<b>0.0972</b>	<b>0.3201</b>	<b>3,122.1365</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 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	1.2236	10.0710	17.0244	0.0325		0.4477	0.4477		0.4119	0.4119		3,142.0618	3,142.0618	1.0162		3,167.4669
<b>Total</b>	<b>1.2236</b>	<b>10.0710</b>	<b>17.0244</b>	<b>0.0325</b>		<b>0.4477</b>	<b>0.4477</b>		<b>0.4119</b>	<b>0.4119</b>		<b>3,142.0618</b>	<b>3,142.0618</b>	<b>1.0162</b>		<b>3,167.4669</b>

**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	0.0579	3.8513	0.7494	0.0154	0.4498	0.0290	0.4787	0.1231	0.0277	0.1508		1,681.2619	1,681.2619	0.0673	0.2667	1,762.4038
Vendor	4.8200e-003	0.2359	0.0476	1.0600e-003	0.0370	1.5000e-003	0.0385	0.0106	1.4400e-003	0.0121		113.9439	113.9439	2.7400e-003	0.0167	118.9924
Worker	0.4221	0.2655	3.4874	0.0114	75.0713	6.6500e-003	75.0779	7.7378	6.1300e-003	7.7439		1,150.6789	1,150.6789	0.0236	0.0286	1,159.7963
<b>Total</b>	<b>0.4848</b>	<b>4.3528</b>	<b>4.2844</b>	<b>0.0278</b>	<b>75.5580</b>	<b>0.0371</b>	<b>75.5951</b>	<b>7.8716</b>	<b>0.0353</b>	<b>7.9068</b>		<b>2,945.8847</b>	<b>2,945.8847</b>	<b>0.0936</b>	<b>0.3120</b>	<b>3,041.1926</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2025**

**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	0.3987	1.7275	21.5676	0.0325		0.0532	0.0532		0.0532	0.0532	0.0000	3,142.0618	3,142.0618	1.0162		3,167.4669
<b>Total</b>	<b>0.3987</b>	<b>1.7275</b>	<b>21.5676</b>	<b>0.0325</b>		<b>0.0532</b>	<b>0.0532</b>		<b>0.0532</b>	<b>0.0532</b>	<b>0.0000</b>	<b>3,142.0618</b>	<b>3,142.0618</b>	<b>1.0162</b>		<b>3,167.4669</b>

**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	0.0579	3.8513	0.7494	0.0154	0.4498	0.0290	0.4787	0.1231	0.0277	0.1508		1,681.2619	1,681.2619	0.0673	0.2667	1,762.4038
Vendor	4.8200e-003	0.2359	0.0476	1.0600e-003	0.0370	1.5000e-003	0.0385	0.0106	1.4400e-003	0.0121		113.9439	113.9439	2.7400e-003	0.0167	118.9924
Worker	0.4221	0.2655	3.4874	0.0114	13.2008	6.6500e-003	13.2074	1.5623	6.1300e-003	1.5685		1,150.6789	1,150.6789	0.0236	0.0286	1,159.7963
<b>Total</b>	<b>0.4848</b>	<b>4.3528</b>	<b>4.2844</b>	<b>0.0278</b>	<b>13.6875</b>	<b>0.0371</b>	<b>13.7246</b>	<b>1.6961</b>	<b>0.0353</b>	<b>1.7314</b>		<b>2,945.8847</b>	<b>2,945.8847</b>	<b>0.0936</b>	<b>0.3120</b>	<b>3,041.1926</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 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	4.9957	48.2065	72.4331	0.1153		2.0692	2.0692		1.9302	1.9302		11,120.29 57	11,120.29 57	3.0677		11,196.98 74
<b>Total</b>	<b>4.9957</b>	<b>48.2065</b>	<b>72.4331</b>	<b>0.1153</b>		<b>2.0692</b>	<b>2.0692</b>		<b>1.9302</b>	<b>1.9302</b>		<b>11,120.29 57</b>	<b>11,120.29 57</b>	<b>3.0677</b>		<b>11,196.98 74</b>

**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	0.0597	3.9826	0.7510	0.0158	0.4525	0.0297	0.4822	0.1239	0.0284	0.1523		1,727.174 6	1,727.174 6	0.0687	0.2739	1,810.513 8
Vendor	0.1011	4.8282	0.9836	0.0217	0.7393	0.0306	0.7698	0.2125	0.0293	0.2418		2,325.700 1	2,325.700 1	0.0559	0.3405	2,428.555 4
Worker	2.1296	1.4190	17.8347	0.0561	357.3393	0.0332	357.3725	36.8319	0.0306	36.8625		5,668.433 9	5,668.433 9	0.1242	0.1464	5,715.152 5
<b>Total</b>	<b>2.2905</b>	<b>10.2297</b>	<b>19.5693</b>	<b>0.0936</b>	<b>358.5310</b>	<b>0.0935</b>	<b>358.6245</b>	<b>37.1684</b>	<b>0.0883</b>	<b>37.2566</b>		<b>9,721.308 6</b>	<b>9,721.308 6</b>	<b>0.2489</b>	<b>0.7607</b>	<b>9,954.221 7</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2024**

**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	1.3753	5.9598	83.0401	0.1153		0.1834	0.1834		0.1834	0.1834	0.0000	11,120.29 56	11,120.29 56	3.0677		11,196.98 74
<b>Total</b>	<b>1.3753</b>	<b>5.9598</b>	<b>83.0401</b>	<b>0.1153</b>		<b>0.1834</b>	<b>0.1834</b>		<b>0.1834</b>	<b>0.1834</b>	<b>0.0000</b>	<b>11,120.29 56</b>	<b>11,120.29 56</b>	<b>3.0677</b>		<b>11,196.98 74</b>

**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	0.0597	3.9826	0.7510	0.0158	0.4525	0.0297	0.4822	0.1239	0.0284	0.1523		1,727.174 6	1,727.174 6	0.0687	0.2739	1,810.513 8
Vendor	0.1011	4.8282	0.9836	0.0217	0.7393	0.0306	0.7698	0.2125	0.0293	0.2418		2,325.700 1	2,325.700 1	0.0559	0.3405	2,428.555 4
Worker	2.1296	1.4190	17.8347	0.0561	62.8358	0.0332	62.8690	7.4367	0.0306	7.4673		5,668.433 9	5,668.433 9	0.1242	0.1464	5,715.152 5
<b>Total</b>	<b>2.2905</b>	<b>10.2297</b>	<b>19.5693</b>	<b>0.0936</b>	<b>64.0275</b>	<b>0.0935</b>	<b>64.1210</b>	<b>7.7731</b>	<b>0.0883</b>	<b>7.8614</b>		<b>9,721.308 6</b>	<b>9,721.308 6</b>	<b>0.2489</b>	<b>0.7607</b>	<b>9,954.221 7</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 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	4.6508	43.7176	72.2778	0.1153		1.8212	1.8212		1.6984	1.6984		11,120.7208	11,120.7208	3.0612		11,197.2515
<b>Total</b>	<b>4.6508</b>	<b>43.7176</b>	<b>72.2778</b>	<b>0.1153</b>		<b>1.8212</b>	<b>1.8212</b>		<b>1.6984</b>	<b>1.6984</b>		<b>11,120.7208</b>	<b>11,120.7208</b>	<b>3.0612</b>		<b>11,197.2515</b>

**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	0.0582	3.8737	0.7538	0.0155	0.4524	0.0291	0.4815	0.1238	0.0279	0.1517		1,691.0385	1,691.0385	0.0677	0.2682	1,772.6522
Vendor	0.0963	4.7187	0.9521	0.0212	0.7392	0.0300	0.7692	0.2125	0.0287	0.2412		2,278.8784	2,278.8784	0.0547	0.3342	2,379.8488
Worker	2.0090	1.2639	16.5999	0.0542	357.3393	0.0317	357.3710	36.8319	0.0292	36.8611		5,477.2317	5,477.2317	0.1122	0.1362	5,520.6305
<b>Total</b>	<b>2.1635</b>	<b>9.8563</b>	<b>18.3057</b>	<b>0.0909</b>	<b>358.5308</b>	<b>0.0908</b>	<b>358.6216</b>	<b>37.1683</b>	<b>0.0857</b>	<b>37.2540</b>		<b>9,447.1486</b>	<b>9,447.1486</b>	<b>0.2346</b>	<b>0.7387</b>	<b>9,673.1315</b>



CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2025**

**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	1.3753	5.9598	83.0401	0.1153		0.1834	0.1834		0.1834	0.1834	0.0000	11,120.7208	11,120.7208	3.0612		11,197.2515
<b>Total</b>	<b>1.3753</b>	<b>5.9598</b>	<b>83.0401</b>	<b>0.1153</b>		<b>0.1834</b>	<b>0.1834</b>		<b>0.1834</b>	<b>0.1834</b>	<b>0.0000</b>	<b>11,120.7208</b>	<b>11,120.7208</b>	<b>3.0612</b>		<b>11,197.2515</b>

**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	0.0582	3.8737	0.7538	0.0155	0.4524	0.0291	0.4815	0.1238	0.0279	0.1517		1,691.0385	1,691.0385	0.0677	0.2682	1,772.6522
Vendor	0.0963	4.7187	0.9521	0.0212	0.7392	0.0300	0.7692	0.2125	0.0287	0.2412		2,278.8784	2,278.8784	0.0547	0.3342	2,379.8488
Worker	2.0090	1.2639	16.5999	0.0542	62.8358	0.0317	62.8674	7.4367	0.0292	7.4659		5,477.2317	5,477.2317	0.1122	0.1362	5,520.6305
<b>Total</b>	<b>2.1635</b>	<b>9.8563</b>	<b>18.3057</b>	<b>0.0909</b>	<b>64.0273</b>	<b>0.0908</b>	<b>64.1181</b>	<b>7.7731</b>	<b>0.0857</b>	<b>7.8588</b>		<b>9,447.1486</b>	<b>9,447.1486</b>	<b>0.2346</b>	<b>0.7387</b>	<b>9,673.1315</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.8 Gen-Tie 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	0.5416	3.6337	3.3756	0.0130		0.1454	0.1454		0.1337	0.1337		1,257.607 1	1,257.607 1	0.4067		1,267.775 5
<b>Total</b>	<b>0.5416</b>	<b>3.6337</b>	<b>3.3756</b>	<b>0.0130</b>		<b>0.1454</b>	<b>0.1454</b>		<b>0.1337</b>	<b>0.1337</b>		<b>1,257.607 1</b>	<b>1,257.607 1</b>	<b>0.4067</b>		<b>1,267.775 5</b>

**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	0.0596	3.9705	0.7487	0.0158	0.4511	0.0296	0.4807	0.1235	0.0283	0.1518		1,721.906 6	1,721.906 6	0.0685	0.2731	1,804.991 7
Vendor	0.0101	0.4828	0.0984	2.1700e-003	0.0739	3.0600e-003	0.0770	0.0213	2.9300e-003	0.0242		232.5700	232.5700	5.5900e-003	0.0341	242.8555
Worker	0.0716	0.0477	0.5995	1.8900e-003	12.0114	1.1200e-003	12.0125	1.2381	1.0300e-003	1.2391		190.5356	190.5356	4.1800e-003	4.9200e-003	192.1060
<b>Total</b>	<b>0.1413</b>	<b>4.5010</b>	<b>1.4466</b>	<b>0.0198</b>	<b>12.5364</b>	<b>0.0338</b>	<b>12.5702</b>	<b>1.3828</b>	<b>0.0323</b>	<b>1.4151</b>		<b>2,145.012 2</b>	<b>2,145.012 2</b>	<b>0.0783</b>	<b>0.3120</b>	<b>2,239.953 2</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.8 Gen-Tie Construction - 2024**

**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	0.1609	0.6970	5.8978	0.0130		0.0215	0.0215		0.0215	0.0215	0.0000	1,257.607 1	1,257.607 1	0.4067		1,267.775 5
<b>Total</b>	<b>0.1609</b>	<b>0.6970</b>	<b>5.8978</b>	<b>0.0130</b>		<b>0.0215</b>	<b>0.0215</b>		<b>0.0215</b>	<b>0.0215</b>	<b>0.0000</b>	<b>1,257.607 1</b>	<b>1,257.607 1</b>	<b>0.4067</b>		<b>1,267.775 5</b>

**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	0.0596	3.9705	0.7487	0.0158	0.4511	0.0296	0.4807	0.1235	0.0283	0.1518		1,721.906 6	1,721.906 6	0.0685	0.2731	1,804.991 7
Vendor	0.0101	0.4828	0.0984	2.1700e-003	0.0739	3.0600e-003	0.0770	0.0213	2.9300e-003	0.0242		232.5700	232.5700	5.5900e-003	0.0341	242.8555
Worker	0.0716	0.0477	0.5995	1.8900e-003	2.1121	1.1200e-003	2.1132	0.2500	1.0300e-003	0.2510		190.5356	190.5356	4.1800e-003	4.9200e-003	192.1060
<b>Total</b>	<b>0.1413</b>	<b>4.5010</b>	<b>1.4466</b>	<b>0.0198</b>	<b>2.6371</b>	<b>0.0338</b>	<b>2.6709</b>	<b>0.3947</b>	<b>0.0323</b>	<b>0.4270</b>		<b>2,145.012 2</b>	<b>2,145.012 2</b>	<b>0.0783</b>	<b>0.3120</b>	<b>2,239.953 2</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.9 Testing, Commissioning, Site Clean Up - 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	1.2295	9.6187	16.3546	0.0282		0.3958	0.3958		0.3641	0.3641		2,730.7075	2,730.7075	0.8832		2,752.7867
<b>Total</b>	<b>1.2295</b>	<b>9.6187</b>	<b>16.3546</b>	<b>0.0282</b>		<b>0.3958</b>	<b>0.3958</b>		<b>0.3641</b>	<b>0.3641</b>		<b>2,730.7075</b>	<b>2,730.7075</b>	<b>0.8832</b>		<b>2,752.7867</b>

**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	0.0582	3.8733	0.7537	0.0155	0.4523	0.0291	0.4815	0.1238	0.0279	0.1517		1,690.8906	1,690.8906	0.0676	0.2682	1,772.4973
Vendor	9.6300e-003	0.4719	0.0952	2.1200e-003	0.0739	3.0000e-003	0.0769	0.0213	2.8700e-003	0.0241		227.8878	227.8878	5.4700e-003	0.0334	237.9849
Worker	0.1097	0.0690	0.9067	2.9600e-003	19.5185	1.7300e-003	19.5203	2.0118	1.5900e-003	2.0134		299.1765	299.1765	6.1300e-003	7.4400e-003	301.5470
<b>Total</b>	<b>0.1776</b>	<b>4.4143</b>	<b>1.7556</b>	<b>0.0206</b>	<b>20.0448</b>	<b>0.0339</b>	<b>20.0786</b>	<b>2.1569</b>	<b>0.0323</b>	<b>2.1892</b>		<b>2,217.9550</b>	<b>2,217.9550</b>	<b>0.0792</b>	<b>0.3090</b>	<b>2,312.0292</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.9 Testing, Commissioning, Site Clean Up - 2025**

**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	0.3733	2.5593	19.4229	0.0282		0.0464	0.0464		0.0464	0.0464	0.0000	2,730.7075	2,730.7075	0.8832		2,752.7867
<b>Total</b>	<b>0.3733</b>	<b>2.5593</b>	<b>19.4229</b>	<b>0.0282</b>		<b>0.0464</b>	<b>0.0464</b>		<b>0.0464</b>	<b>0.0464</b>	<b>0.0000</b>	<b>2,730.7075</b>	<b>2,730.7075</b>	<b>0.8832</b>		<b>2,752.7867</b>

**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	0.0582	3.8733	0.7537	0.0155	0.4523	0.0291	0.4815	0.1238	0.0279	0.1517		1,690.8906	1,690.8906	0.0676	0.2682	1,772.4973
Vendor	9.6300e-003	0.4719	0.0952	2.1200e-003	0.0739	3.0000e-003	0.0769	0.0213	2.8700e-003	0.0241		227.8878	227.8878	5.4700e-003	0.0334	237.9849
Worker	0.1097	0.0690	0.9067	2.9600e-003	3.4322	1.7300e-003	3.4339	0.4062	1.5900e-003	0.4078		299.1765	299.1765	6.1300e-003	7.4400e-003	301.5470
<b>Total</b>	<b>0.1776</b>	<b>4.4143</b>	<b>1.7556</b>	<b>0.0206</b>	<b>3.9585</b>	<b>0.0339</b>	<b>3.9923</b>	<b>0.5513</b>	<b>0.0323</b>	<b>0.5836</b>		<b>2,217.9550</b>	<b>2,217.9550</b>	<b>0.0792</b>	<b>0.3090</b>	<b>2,312.0292</b>

**4.0 Operational Detail - Mobile**

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.1486	0.2281	1.6162	3.3300e-003	0.3770	2.6300e-003	0.3797	0.1005	2.4500e-003	0.1030		339.8466	339.8466	0.0233	0.0172	345.5426
Unmitigated	0.1486	0.2281	1.6162	3.3300e-003	0.3770	2.6300e-003	0.3797	0.1005	2.4500e-003	0.1030		339.8466	339.8466	0.0233	0.0172	345.5426

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	20.00	20.00	20.00	62,353	62,353
User Defined Industrial	32.00	0.00	0.00	83,200	83,200
<b>Total</b>	<b>52.00</b>	<b>20.00</b>	<b>20.00</b>	<b>145,553</b>	<b>145,553</b>

**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
Unrefrigerated Warehouse-No Rail	10.00	5.00	6.50	59.00	0.00	41.00	100	0	0
User Defined Industrial	10.00	5.00	6.50	100.00	0.00	0.00	100	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.546433	0.056674	0.183423	0.128799	0.024661	0.005883	0.013276	0.009437	0.000898	0.000581	0.025768	0.000959	0.003207

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

User Defined Industrial	0.546433	0.056674	0.183423	0.128799	0.024661	0.005883	0.013276	0.009437	0.000898	0.000581	0.025768	0.000959	0.003207
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**5.0 Energy Detail**

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

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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					
Unrefrigerated Warehouse-No Rail	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
User Defined Industrial	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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

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					
Unrefrigerated Warehouse-No Rail	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
User Defined Industrial	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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**



CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	1.0000e-004	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
Unmitigated	1.0000e-004	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003

**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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-004	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
<b>Total</b>	<b>1.0000e-004</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.4100e-003</b>	<b>2.4100e-003</b>	<b>1.0000e-005</b>		<b>2.5600e-003</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**6.2 Area by SubCategory**

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-004	1.0000e-005	1.1200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.4100e-003	2.4100e-003	1.0000e-005		2.5600e-003
<b>Total</b>	<b>1.0000e-004</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.4100e-003</b>	<b>2.4100e-003</b>	<b>1.0000e-005</b>		<b>2.5600e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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Fire Pumps and Emergency Generators

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	0.5	50	2000	0.73	Diesel

**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**10.1 Stationary Sources**

**Unmitigated/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
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (750 - 9999 HP)	3.2821	14.6775	8.3688	0.0158		0.4828	0.4828		0.4828	0.4828		1,679.028 2	1,679.028 2	0.2354		1,684.913 2
<b>Total</b>	<b>3.2821</b>	<b>14.6775</b>	<b>8.3688</b>	<b>0.0158</b>		<b>0.4828</b>	<b>0.4828</b>		<b>0.4828</b>	<b>0.4828</b>		<b>1,679.028 2</b>	<b>1,679.028 2</b>	<b>0.2354</b>		<b>1,684.913 2</b>

**11.0 Vegetation**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**CCAR Project - DECOM Mitigated  
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**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	10.00	1000sqft	2,555.00	10,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	3.5	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	6			<b>Operational Year</b>	2050
<b>Utility Company</b>	Sacramento Municipal Utility District				
<b>CO2 Intensity (lb/MWhr)</b>	357.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

- Project Characteristics -
- Land Use - qa
- Construction Phase - a
- Off-road Equipment - A
- Off-road Equipment - z
- Off-road Equipment - a
- Off-road Equipment - z
- Off-road Equipment - A
- Trips and VMT - A
- On-road Fugitive Dust - H
- Vehicle Trips - No ops
- Energy Use - H



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblConstructionPhase	NumDays	155,000.00	158.00
tblConstructionPhase	NumDays	10,000.00	64.00
tblConstructionPhase	NumDays	11,000.00	87.00
tblEnergyUse	LightingElect	1.60	0.00
tblEnergyUse	NT24E	1.36	0.00
tblEnergyUse	T24E	0.23	0.00
tblEnergyUse	T24NG	0.49	0.00
tblLandUse	LotAcreage	0.23	2,555.00
tblOffRoadEquipment	HorsePower	247.00	255.00
tblOffRoadEquipment	HorsePower	231.00	226.00
tblOffRoadEquipment	HorsePower	187.00	174.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	9.40	0.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripNumber	0.00	3,204.00
tblTripsAndVMT	HaulingTripNumber	0.00	7,952.00
tblTripsAndVMT	HaulingTripNumber	0.00	4,354.00
tblTripsAndVMT	HaulingTripNumber	0.00	3,316.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripNumber	0.00	32.00
tblTripsAndVMT	VendorTripNumber	2.00	32.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	WorkerTripLength	15.00	20.00

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblTripsAndVMT	WorkerTripLength	15.00	20.00
tblTripsAndVMT	WorkerTripLength	15.00	20.00
tblTripsAndVMT	WorkerTripLength	15.00	20.00
tblTripsAndVMT	WorkerTripNumber	15.00	50.00
tblTripsAndVMT	WorkerTripNumber	4.00	200.00
tblTripsAndVMT	WorkerTripNumber	15.00	50.00
tblTripsAndVMT	WorkerTripNumber	15.00	26.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	2,312,500.00	0.00
tblWater	OutdoorWaterUseRate	0.00	108,009,247.00

**2.0 Emissions Summary**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2050	3-31-2050	0.7834	0.6888
2	4-1-2050	6-30-2050	0.9647	0.6341
3	7-1-2050	9-30-2050	0.9613	0.6331
		Highest	0.9647	0.6888

**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	0.0437	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5000e-004	2.5000e-004	0.0000	0.0000	2.6000e-004
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	61.3838	61.3838	5.6600e-003	6.9000e-004	61.7296
<b>Total</b>	<b>0.0437</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>61.3840</b>	<b>61.3840</b>	<b>5.6600e-003</b>	<b>6.9000e-004</b>	<b>61.7299</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**2.2 Overall Operational**

**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	0.0437	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5000e-004	2.5000e-004	0.0000	0.0000	2.6000e-004
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	61.3838	61.3838	5.6600e-003	6.9000e-004	61.7296
<b>Total</b>	<b>0.0437</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>61.3840</b>	<b>61.3840</b>	<b>5.6600e-003</b>	<b>6.9000e-004</b>	<b>61.7299</b>

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Perimeter Fence Removal	Demolition	1/1/2050	3/31/2050	5	64	
2	System Dissassembly and Removal	Building Construction	2/21/2050	9/28/2050	5	158	
3	Energy Storage Removal	Paving	5/1/2050	8/30/2050	5	87	

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

4	Site Clean up and Resteration	Trenching	9/30/2050	12/30/2050	5	66
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**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; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Perimeter Fence Removal	Concrete/Industrial Saws	0	0.00	81	0.73
Perimeter Fence Removal	Excavators	0	0.00	158	0.38
Perimeter Fence Removal	Off-Highway Trucks	2	8.00	150	0.38
Perimeter Fence Removal	Rough Terrain Forklifts	1	8.00	100	0.40
Perimeter Fence Removal	Rubber Tired Dozers	0	0.00	255	0.40
Perimeter Fence Removal	Skid Steer Loaders	3	8.00	65	0.37
Perimeter Fence Removal	Tractors/Loaders/Backhoes	0	0.00	97	0.37
System Dissassembly and Removal	Cranes	1	8.00	231	0.29
System Dissassembly and Removal	Forklifts	0	0.00	89	0.20
System Dissassembly and Removal	Generator Sets	0	0.00	84	0.74
System Dissassembly and Removal	Graders	0	0.00	174	0.41
System Dissassembly and Removal	Off-Highway Trucks	4	8.00	150	0.38
System Dissassembly and Removal	Rough Terrain Forklifts	6	8.00	100	0.40
System Dissassembly and Removal	Tractors/Loaders/Backhoes	0	0.00	97	0.37
System Dissassembly and Removal	Welders	0	0.00	46	0.45
Energy Storage Removal	Cement and Mortar Mixers	0		9	0.56
Energy Storage Removal	Cranes	1	8.00	231	0.29
Energy Storage Removal	Graders	1	8.00	187	0.41
Energy Storage Removal	Pavers	0	0.00	130	0.42

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Energy Storage Removal	Paving Equipment	0	0.00	132	0.36
Energy Storage Removal	Rollers	0	0.00	80	0.38
Energy Storage Removal	Rough Terrain Forklifts	4	8.00	100	0.40
Energy Storage Removal	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Site Clean up and Resteration	Cranes	0	0.00	226	0.29
Site Clean up and Resteration	Forklifts	0	0.00	89	0.20
Site Clean up and Resteration	Graders	1	8.00	187	0.41
Site Clean up and Resteration	Off-Highway Trucks	4	8.00	150	0.38
Site Clean up and Resteration	Skid Steer Loaders	1	8.00	65	0.37
Site Clean up and Resteration	Tractors/Loaders/Backhoes	0	0.00	97	0.37

**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
Perimeter Fence Removal	6	50.00	32.00	3,204.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
System Dissassembly and Removal	11	200.00	32.00	7,952.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
Energy Storage Removal	6	50.00	4.00	4,354.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
Site Clean up and Resteration	6	26.00	4.00	3,316.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Perimeter Fence Removal - 2050**

**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	0.0276	0.1124	0.4486	7.7000e-004		1.7300e-003	1.7300e-003		1.7300e-003	1.7300e-003	0.0000	65.8027	65.8027	2.2200e-003	0.0000	65.8583
<b>Total</b>	<b>0.0276</b>	<b>0.1124</b>	<b>0.4486</b>	<b>7.7000e-004</b>		<b>1.7300e-003</b>	<b>1.7300e-003</b>		<b>1.7300e-003</b>	<b>1.7300e-003</b>	<b>0.0000</b>	<b>65.8027</b>	<b>65.8027</b>	<b>2.2200e-003</b>	<b>0.0000</b>	<b>65.8583</b>

**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	3.5900e-003	0.2321	0.0607	9.5000e-004	0.0351	1.8600e-003	0.0370	9.6400e-003	1.7800e-003	0.0114	0.0000	93.9677	93.9677	3.8500e-003	0.0149	98.5046
Vendor	1.5300e-003	0.0950	0.0207	4.2000e-004	0.0184	6.1000e-004	0.0190	5.3000e-003	5.9000e-004	5.8900e-003	0.0000	41.1504	41.1504	9.8000e-004	6.1200e-003	42.9995
Worker	2.5000e-003	1.6300e-003	0.0328	1.4000e-004	1.0132	4.0000e-005	1.0133	0.1049	3.0000e-005	0.1050	0.0000	12.6704	12.6704	1.0000e-004	2.5000e-004	12.7484
<b>Total</b>	<b>7.6200e-003</b>	<b>0.3287</b>	<b>0.1143</b>	<b>1.5100e-003</b>	<b>1.0667</b>	<b>2.5100e-003</b>	<b>1.0692</b>	<b>0.1199</b>	<b>2.4000e-003</b>	<b>0.1223</b>	<b>0.0000</b>	<b>147.7885</b>	<b>147.7885</b>	<b>4.9300e-003</b>	<b>0.0213</b>	<b>154.2525</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Perimeter Fence Removal - 2050**

**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	0.1342	0.4723	7.7000e-004		1.0200e-003	1.0200e-003		1.0200e-003	1.0200e-003	0.0000	65.8026	65.8026	2.2200e-003	0.0000	65.8582
<b>Total</b>	<b>0.0101</b>	<b>0.1342</b>	<b>0.4723</b>	<b>7.7000e-004</b>		<b>1.0200e-003</b>	<b>1.0200e-003</b>		<b>1.0200e-003</b>	<b>1.0200e-003</b>	<b>0.0000</b>	<b>65.8026</b>	<b>65.8026</b>	<b>2.2200e-003</b>	<b>0.0000</b>	<b>65.8582</b>

**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	3.5900e-003	0.2321	0.0607	9.5000e-004	0.0351	1.8600e-003	0.0370	9.6400e-003	1.7800e-003	0.0114	0.0000	93.9677	93.9677	3.8500e-003	0.0149	98.5046
Vendor	1.5300e-003	0.0950	0.0207	4.2000e-004	0.0184	6.1000e-004	0.0190	5.3000e-003	5.9000e-004	5.8900e-003	0.0000	41.1504	41.1504	9.8000e-004	6.1200e-003	42.9995
Worker	2.5000e-003	1.6300e-003	0.0328	1.4000e-004	0.1806	4.0000e-005	0.1807	0.0218	3.0000e-005	0.0219	0.0000	12.6704	12.6704	1.0000e-004	2.5000e-004	12.7484
<b>Total</b>	<b>7.6200e-003</b>	<b>0.3287</b>	<b>0.1143</b>	<b>1.5100e-003</b>	<b>0.2341</b>	<b>2.5100e-003</b>	<b>0.2366</b>	<b>0.0368</b>	<b>2.4000e-003</b>	<b>0.0392</b>	<b>0.0000</b>	<b>147.7885</b>	<b>147.7885</b>	<b>4.9300e-003</b>	<b>0.0213</b>	<b>154.2525</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 System Dissassembly and Removal - 2050**

**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	0.1696	0.6297	2.4398	4.4700e-003		0.0107	0.0107		0.0107	0.0107	0.0000	384.2993	384.2993	0.0136	0.0000	384.6394
<b>Total</b>	<b>0.1696</b>	<b>0.6297</b>	<b>2.4398</b>	<b>4.4700e-003</b>		<b>0.0107</b>	<b>0.0107</b>		<b>0.0107</b>	<b>0.0107</b>	<b>0.0000</b>	<b>384.2993</b>	<b>384.2993</b>	<b>0.0136</b>	<b>0.0000</b>	<b>384.6394</b>

**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	8.9200e-003	0.5761	0.1507	2.3500e-003	0.0872	4.6100e-003	0.0918	0.0239	4.4100e-003	0.0283	0.0000	233.2183	233.2183	9.5600e-003	0.0370	244.4783
Vendor	3.7900e-003	0.2344	0.0512	1.0400e-003	0.0453	1.5200e-003	0.0469	0.0131	1.4500e-003	0.0145	0.0000	101.5900	101.5900	2.4100e-003	0.0151	106.1551
Worker	0.0247	0.0161	0.3239	1.3600e-003	10.0057	3.7000e-004	10.0061	1.0362	3.4000e-004	1.0366	0.0000	125.1200	125.1200	9.9000e-004	2.5000e-003	125.8904
<b>Total</b>	<b>0.0374</b>	<b>0.8266</b>	<b>0.5258</b>	<b>4.7500e-003</b>	<b>10.1382</b>	<b>6.5000e-003</b>	<b>10.1447</b>	<b>1.0732</b>	<b>6.2000e-003</b>	<b>1.0794</b>	<b>0.0000</b>	<b>459.9283</b>	<b>459.9283</b>	<b>0.0130</b>	<b>0.0546</b>	<b>476.5238</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 System Dissassembly and Removal - 2050**

**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	0.0447	0.1938	2.6180	4.4700e-003		5.9600e-003	5.9600e-003		5.9600e-003	5.9600e-003	0.0000	384.2989	384.2989	0.0136	0.0000	384.6390
<b>Total</b>	<b>0.0447</b>	<b>0.1938</b>	<b>2.6180</b>	<b>4.4700e-003</b>		<b>5.9600e-003</b>	<b>5.9600e-003</b>		<b>5.9600e-003</b>	<b>5.9600e-003</b>	<b>0.0000</b>	<b>384.2989</b>	<b>384.2989</b>	<b>0.0136</b>	<b>0.0000</b>	<b>384.6390</b>

**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	8.9200e-003	0.5761	0.1507	2.3500e-003	0.0872	4.6100e-003	0.0918	0.0239	4.4100e-003	0.0283	0.0000	233.2183	233.2183	9.5600e-003	0.0370	244.4783
Vendor	3.7900e-003	0.2344	0.0512	1.0400e-003	0.0453	1.5200e-003	0.0469	0.0131	1.4500e-003	0.0145	0.0000	101.5900	101.5900	2.4100e-003	0.0151	106.1551
Worker	0.0247	0.0161	0.3239	1.3600e-003	1.7836	3.7000e-004	1.7839	0.2156	3.4000e-004	0.2159	0.0000	125.1200	125.1200	9.9000e-004	2.5000e-003	125.8904
<b>Total</b>	<b>0.0374</b>	<b>0.8266</b>	<b>0.5258</b>	<b>4.7500e-003</b>	<b>1.9161</b>	<b>6.5000e-003</b>	<b>1.9225</b>	<b>0.2526</b>	<b>6.2000e-003</b>	<b>0.2588</b>	<b>0.0000</b>	<b>459.9283</b>	<b>459.9283</b>	<b>0.0130</b>	<b>0.0546</b>	<b>476.5238</b>

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**3.4 Energy Storage Removal - 2050**

**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	0.0528	0.2211	0.5823	1.4000e-003		3.4000e-003	3.4000e-003		3.4000e-003	3.4000e-003	0.0000	120.1085	120.1085	4.2600e-003	0.0000	120.2150
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0528</b>	<b>0.2211</b>	<b>0.5823</b>	<b>1.4000e-003</b>		<b>3.4000e-003</b>	<b>3.4000e-003</b>		<b>3.4000e-003</b>	<b>3.4000e-003</b>	<b>0.0000</b>	<b>120.1085</b>	<b>120.1085</b>	<b>4.2600e-003</b>	<b>0.0000</b>	<b>120.2150</b>

**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	4.8800e-003	0.3155	0.0825	1.2900e-003	0.0477	2.5200e-003	0.0503	0.0131	2.4100e-003	0.0155	0.0000	127.6952	127.6952	5.2400e-003	0.0203	133.8605
Vendor	2.6000e-004	0.0161	3.5200e-003	7.0000e-005	3.1200e-003	1.0000e-004	3.2300e-003	9.0000e-004	1.0000e-004	1.0000e-003	0.0000	6.9924	6.9924	1.7000e-004	1.0400e-003	7.3066
Worker	3.4000e-003	2.2200e-003	0.0446	1.9000e-004	1.3774	5.0000e-005	1.3774	0.1427	5.0000e-005	0.1427	0.0000	17.2238	17.2238	1.4000e-004	3.4000e-004	17.3299
<b>Total</b>	<b>8.5400e-003</b>	<b>0.3338</b>	<b>0.1306</b>	<b>1.5500e-003</b>	<b>1.4282</b>	<b>2.6700e-003</b>	<b>1.4309</b>	<b>0.1567</b>	<b>2.5600e-003</b>	<b>0.1592</b>	<b>0.0000</b>	<b>151.9114</b>	<b>151.9114</b>	<b>5.5500e-003</b>	<b>0.0216</b>	<b>158.4969</b>

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**3.4 Energy Storage Removal - 2050**

**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	0.0140	0.0606	0.6967	1.4000e-003		1.8600e-003	1.8600e-003		1.8600e-003	1.8600e-003	0.0000	120.1084	120.1084	4.2600e-003	0.0000	120.2149
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0140</b>	<b>0.0606</b>	<b>0.6967</b>	<b>1.4000e-003</b>		<b>1.8600e-003</b>	<b>1.8600e-003</b>		<b>1.8600e-003</b>	<b>1.8600e-003</b>	<b>0.0000</b>	<b>120.1084</b>	<b>120.1084</b>	<b>4.2600e-003</b>	<b>0.0000</b>	<b>120.2149</b>

**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	4.8800e-003	0.3155	0.0825	1.2900e-003	0.0477	2.5200e-003	0.0503	0.0131	2.4100e-003	0.0155	0.0000	127.6952	127.6952	5.2400e-003	0.0203	133.8605
Vendor	2.6000e-004	0.0161	3.5200e-003	7.0000e-005	3.1200e-003	1.0000e-004	3.2300e-003	9.0000e-004	1.0000e-004	1.0000e-003	0.0000	6.9924	6.9924	1.7000e-004	1.0400e-003	7.3066
Worker	3.4000e-003	2.2200e-003	0.0446	1.9000e-004	0.2455	5.0000e-005	0.2456	0.0297	5.0000e-005	0.0297	0.0000	17.2238	17.2238	1.4000e-004	3.4000e-004	17.3299
<b>Total</b>	<b>8.5400e-003</b>	<b>0.3338</b>	<b>0.1306</b>	<b>1.5500e-003</b>	<b>0.2964</b>	<b>2.6700e-003</b>	<b>0.2991</b>	<b>0.0437</b>	<b>2.5600e-003</b>	<b>0.0462</b>	<b>0.0000</b>	<b>151.9114</b>	<b>151.9114</b>	<b>5.5500e-003</b>	<b>0.0216</b>	<b>158.4969</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Site Clean up and Resteration - 2050**

**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	0.0386	0.0784	0.5547	1.1500e-003		2.4900e-003	2.4900e-003		2.4900e-003	2.4900e-003	0.0000	98.6364	98.6364	3.1000e-003	0.0000	98.7138
<b>Total</b>	<b>0.0386</b>	<b>0.0784</b>	<b>0.5547</b>	<b>1.1500e-003</b>		<b>2.4900e-003</b>	<b>2.4900e-003</b>		<b>2.4900e-003</b>	<b>2.4900e-003</b>	<b>0.0000</b>	<b>98.6364</b>	<b>98.6364</b>	<b>3.1000e-003</b>	<b>0.0000</b>	<b>98.7138</b>

**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	3.7200e-003	0.2402	0.0628	9.8000e-004	0.0364	1.9200e-003	0.0383	9.9800e-003	1.8400e-003	0.0118	0.0000	97.2525	97.2525	3.9900e-003	0.0154	101.9480
Vendor	2.0000e-004	0.0122	2.6700e-003	5.0000e-005	2.3700e-003	8.0000e-005	2.4500e-003	6.8000e-004	8.0000e-005	7.6000e-004	0.0000	5.3045	5.3045	1.3000e-004	7.9000e-004	5.5429
Worker	1.3400e-003	8.7000e-004	0.0176	7.0000e-005	0.5434	2.0000e-005	0.5434	0.0563	2.0000e-005	0.0563	0.0000	6.7945	6.7945	5.0000e-005	1.4000e-004	6.8363
<b>Total</b>	<b>5.2600e-003</b>	<b>0.2534</b>	<b>0.0831</b>	<b>1.1000e-003</b>	<b>0.5821</b>	<b>2.0200e-003</b>	<b>0.5841</b>	<b>0.0669</b>	<b>1.9400e-003</b>	<b>0.0689</b>	<b>0.0000</b>	<b>109.3515</b>	<b>109.3515</b>	<b>4.1700e-003</b>	<b>0.0164</b>	<b>114.3272</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Site Clean up and Resteration - 2050**

**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	0.0123	0.0845	0.6410	1.1500e-003		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003	0.0000	98.6362	98.6362	3.1000e-003	0.0000	98.7136
<b>Total</b>	<b>0.0123</b>	<b>0.0845</b>	<b>0.6410</b>	<b>1.1500e-003</b>		<b>1.5300e-003</b>	<b>1.5300e-003</b>		<b>1.5300e-003</b>	<b>1.5300e-003</b>	<b>0.0000</b>	<b>98.6362</b>	<b>98.6362</b>	<b>3.1000e-003</b>	<b>0.0000</b>	<b>98.7136</b>

**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	3.7200e-003	0.2402	0.0628	9.8000e-004	0.0364	1.9200e-003	0.0383	9.9800e-003	1.8400e-003	0.0118	0.0000	97.2525	97.2525	3.9900e-003	0.0154	101.9480
Vendor	2.0000e-004	0.0122	2.6700e-003	5.0000e-005	2.3700e-003	8.0000e-005	2.4500e-003	6.8000e-004	8.0000e-005	7.6000e-004	0.0000	5.3045	5.3045	1.3000e-004	7.9000e-004	5.5429
Worker	1.3400e-003	8.7000e-004	0.0176	7.0000e-005	0.0969	2.0000e-005	0.0969	0.0117	2.0000e-005	0.0117	0.0000	6.7945	6.7945	5.0000e-005	1.4000e-004	6.8363
<b>Total</b>	<b>5.2600e-003</b>	<b>0.2534</b>	<b>0.0831</b>	<b>1.1000e-003</b>	<b>0.1356</b>	<b>2.0200e-003</b>	<b>0.1376</b>	<b>0.0224</b>	<b>1.9400e-003</b>	<b>0.0243</b>	<b>0.0000</b>	<b>109.3515</b>	<b>109.3515</b>	<b>4.1700e-003</b>	<b>0.0164</b>	<b>114.3272</b>

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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
Unrefrigerated Warehouse-No Rail	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
Unrefrigerated Warehouse-No Rail	15.00	7.50	8.50	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.575251	0.056352	0.181743	0.116249	0.016967	0.004916	0.012153	0.008974	0.000580	0.000864	0.023283	0.000577	0.002091







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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**5.3 Energy by Land Use - Electricity**

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0437	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5000e-004	2.5000e-004	0.0000	0.0000	2.6000e-004
Unmitigated	0.0437	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5000e-004	2.5000e-004	0.0000	0.0000	2.6000e-004

**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	4.6400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0391					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5000e-004	2.5000e-004	0.0000	0.0000	2.6000e-004
<b>Total</b>	<b>0.0437</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.5000e-004</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.6000e-004</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**6.2 Area by SubCategory**

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	4.6400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0391					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5000e-004	2.5000e-004	0.0000	0.0000	2.6000e-004
<b>Total</b>	<b>0.0437</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.5000e-004</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.6000e-004</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	61.3838	5.6600e-003	6.9000e-004	61.7296
Unmitigated	61.3838	5.6600e-003	6.9000e-004	61.7296

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	0 / 108.009	61.3838	5.6600e-003	6.9000e-004	61.7296
<b>Total</b>		<b>61.3838</b>	<b>5.6600e-003</b>	<b>6.9000e-004</b>	<b>61.7296</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**7.2 Water by Land Use**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	0 / 108.009	61.3838	5.6600e-003	6.9000e-004	61.7296
<b>Total</b>		<b>61.3838</b>	<b>5.6600e-003</b>	<b>6.9000e-004</b>	<b>61.7296</b>

**8.0 Waste Detail**

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**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

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**8.2 Waste by Land Use**

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**9.0 Operational Offroad**

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Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**10.0 Stationary Equipment**

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**Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**CCAR Project - DECOM**

**Sacramento Metropolitan AQMD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	10.00	1000sqft	2,555.00	10,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	3.5	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	6			<b>Operational Year</b>	2050
<b>Utility Company</b>	Sacramento Municipal Utility District				
<b>CO2 Intensity (lb/MWhr)</b>	357.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

- Project Characteristics -
- Land Use - qa
- Construction Phase - a
- Off-road Equipment - A
- Off-road Equipment - z
- Off-road Equipment - a
- Off-road Equipment - z
- Off-road Equipment - A
- Trips and VMT - A
- On-road Fugitive Dust - H
- Vehicle Trips - No ops
- Energy Use - H



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Water And Wastewater - water use same as construction

Solid Waste - no ops

Construction Off-road Equipment Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblConstructionPhase	NumDays	155,000.00	158.00
tblConstructionPhase	NumDays	10,000.00	64.00
tblConstructionPhase	NumDays	11,000.00	87.00
tblEnergyUse	LightingElect	1.60	0.00
tblEnergyUse	NT24E	1.36	0.00
tblEnergyUse	T24E	0.23	0.00
tblEnergyUse	T24NG	0.49	0.00
tblLandUse	LotAcreage	0.23	2,555.00
tblOffRoadEquipment	HorsePower	247.00	255.00
tblOffRoadEquipment	HorsePower	231.00	226.00
tblOffRoadEquipment	HorsePower	187.00	174.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	9.40	0.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripNumber	0.00	3,204.00
tblTripsAndVMT	HaulingTripNumber	0.00	7,952.00
tblTripsAndVMT	HaulingTripNumber	0.00	4,354.00
tblTripsAndVMT	HaulingTripNumber	0.00	3,316.00
tblTripsAndVMT	VendorTripLength	8.50	20.00

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tbITripsAndVMT	VendorTripLength	8.50	20.00
tbITripsAndVMT	VendorTripLength	8.50	20.00
tbITripsAndVMT	VendorTripLength	8.50	20.00
tbITripsAndVMT	VendorTripNumber	0.00	32.00
tbITripsAndVMT	VendorTripNumber	2.00	32.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	VendorTripNumber	0.00	4.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripLength	15.00	20.00
tbITripsAndVMT	WorkerTripNumber	15.00	50.00
tbITripsAndVMT	WorkerTripNumber	4.00	200.00
tbITripsAndVMT	WorkerTripNumber	15.00	50.00
tbITripsAndVMT	WorkerTripNumber	15.00	26.00
tbIVehicleTrips	ST_TR	1.74	0.00
tbIVehicleTrips	SU_TR	1.74	0.00
tbIVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	2,312,500.00	0.00
tblWater	OutdoorWaterUseRate	0.00	108,009,247.00

**2.0 Emissions Summary**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2050	3-31-2050	0.7834	0.7834
2	4-1-2050	6-30-2050	0.9647	0.9647
3	7-1-2050	9-30-2050	0.9613	0.9613
		Highest	0.9647	0.9647

**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	0.0437	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5000e-004	2.5000e-004	0.0000	0.0000	2.6000e-004
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	61.3838	61.3838	5.6600e-003	6.9000e-004	61.7296
<b>Total</b>	<b>0.0437</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>61.3840</b>	<b>61.3840</b>	<b>5.6600e-003</b>	<b>6.9000e-004</b>	<b>61.7299</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**2.2 Overall Operational**

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	0.0437	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5000e-004	2.5000e-004	0.0000	0.0000	2.6000e-004
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	61.3838	61.3838	5.6600e-003	6.9000e-004	61.7296
<b>Total</b>	<b>0.0437</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>61.3840</b>	<b>61.3840</b>	<b>5.6600e-003</b>	<b>6.9000e-004</b>	<b>61.7299</b>

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

**3.0 Construction Detail**

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Perimeter Fence Removal	Demolition	1/1/2050	3/31/2050	5	64	
2	System Disassembly and Removal	Building Construction	2/21/2050	9/28/2050	5	158	
3	Energy Storage Removal	Paving	5/1/2050	8/30/2050	5	87	

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4	Site Clean up and Resteration	Trenching	9/30/2050	12/30/2050	5	66
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**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; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Perimeter Fence Removal	Concrete/Industrial Saws	0	0.00	81	0.73
Perimeter Fence Removal	Excavators	0	0.00	158	0.38
Perimeter Fence Removal	Off-Highway Trucks	2	8.00	150	0.38
Perimeter Fence Removal	Rough Terrain Forklifts	1	8.00	100	0.40
Perimeter Fence Removal	Rubber Tired Dozers	0	0.00	255	0.40
Perimeter Fence Removal	Skid Steer Loaders	3	8.00	65	0.37
Perimeter Fence Removal	Tractors/Loaders/Backhoes	0	0.00	97	0.37
System Dissassembly and Removal	Cranes	1	8.00	231	0.29
System Dissassembly and Removal	Forklifts	0	0.00	89	0.20
System Dissassembly and Removal	Generator Sets	0	0.00	84	0.74
System Dissassembly and Removal	Graders	0	0.00	174	0.41
System Dissassembly and Removal	Off-Highway Trucks	4	8.00	150	0.38
System Dissassembly and Removal	Rough Terrain Forklifts	6	8.00	100	0.40
System Dissassembly and Removal	Tractors/Loaders/Backhoes	0	0.00	97	0.37
System Dissassembly and Removal	Welders	0	0.00	46	0.45
Energy Storage Removal	Cement and Mortar Mixers	0		9	0.56
Energy Storage Removal	Cranes	1	8.00	231	0.29
Energy Storage Removal	Graders	1	8.00	187	0.41
Energy Storage Removal	Pavers	0	0.00	130	0.42

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Energy Storage Removal	Paving Equipment	0	0.00	132	0.36
Energy Storage Removal	Rollers	0	0.00	80	0.38
Energy Storage Removal	Rough Terrain Forklifts	4	8.00	100	0.40
Energy Storage Removal	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Site Clean up and Resteration	Cranes	0	0.00	226	0.29
Site Clean up and Resteration	Forklifts	0	0.00	89	0.20
Site Clean up and Resteration	Graders	1	8.00	187	0.41
Site Clean up and Resteration	Off-Highway Trucks	4	8.00	150	0.38
Site Clean up and Resteration	Skid Steer Loaders	1	8.00	65	0.37
Site Clean up and Resteration	Tractors/Loaders/Backhoes	0	0.00	97	0.37

**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
Perimeter Fence Removal	6	50.00	32.00	3,204.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
System Dissassembly and Removal	11	200.00	32.00	7,952.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
Energy Storage Removal	6	50.00	4.00	4,354.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
Site Clean up and Resteration	6	26.00	4.00	3,316.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Perimeter Fence Removal - 2050**

**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	0.0276	0.1124	0.4486	7.7000e-004		1.7300e-003	1.7300e-003		1.7300e-003	1.7300e-003	0.0000	65.8027	65.8027	2.2200e-003	0.0000	65.8583
<b>Total</b>	<b>0.0276</b>	<b>0.1124</b>	<b>0.4486</b>	<b>7.7000e-004</b>		<b>1.7300e-003</b>	<b>1.7300e-003</b>		<b>1.7300e-003</b>	<b>1.7300e-003</b>	<b>0.0000</b>	<b>65.8027</b>	<b>65.8027</b>	<b>2.2200e-003</b>	<b>0.0000</b>	<b>65.8583</b>

**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	3.5900e-003	0.2321	0.0607	9.5000e-004	0.0351	1.8600e-003	0.0370	9.6400e-003	1.7800e-003	0.0114	0.0000	93.9677	93.9677	3.8500e-003	0.0149	98.5046
Vendor	1.5300e-003	0.0950	0.0207	4.2000e-004	0.0184	6.1000e-004	0.0190	5.3000e-003	5.9000e-004	5.8900e-003	0.0000	41.1504	41.1504	9.8000e-004	6.1200e-003	42.9995
Worker	2.5000e-003	1.6300e-003	0.0328	1.4000e-004	1.0132	4.0000e-005	1.0133	0.1049	3.0000e-005	0.1050	0.0000	12.6704	12.6704	1.0000e-004	2.5000e-004	12.7484
<b>Total</b>	<b>7.6200e-003</b>	<b>0.3287</b>	<b>0.1143</b>	<b>1.5100e-003</b>	<b>1.0667</b>	<b>2.5100e-003</b>	<b>1.0692</b>	<b>0.1199</b>	<b>2.4000e-003</b>	<b>0.1223</b>	<b>0.0000</b>	<b>147.7885</b>	<b>147.7885</b>	<b>4.9300e-003</b>	<b>0.0213</b>	<b>154.2525</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Perimeter Fence Removal - 2050**

**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	0.0276	0.1124	0.4486	7.7000e-004		1.7300e-003	1.7300e-003		1.7300e-003	1.7300e-003	0.0000	65.8026	65.8026	2.2200e-003	0.0000	65.8582
<b>Total</b>	<b>0.0276</b>	<b>0.1124</b>	<b>0.4486</b>	<b>7.7000e-004</b>		<b>1.7300e-003</b>	<b>1.7300e-003</b>		<b>1.7300e-003</b>	<b>1.7300e-003</b>	<b>0.0000</b>	<b>65.8026</b>	<b>65.8026</b>	<b>2.2200e-003</b>	<b>0.0000</b>	<b>65.8582</b>

**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	3.5900e-003	0.2321	0.0607	9.5000e-004	0.0351	1.8600e-003	0.0370	9.6400e-003	1.7800e-003	0.0114	0.0000	93.9677	93.9677	3.8500e-003	0.0149	98.5046
Vendor	1.5300e-003	0.0950	0.0207	4.2000e-004	0.0184	6.1000e-004	0.0190	5.3000e-003	5.9000e-004	5.8900e-003	0.0000	41.1504	41.1504	9.8000e-004	6.1200e-003	42.9995
Worker	2.5000e-003	1.6300e-003	0.0328	1.4000e-004	0.5181	4.0000e-005	0.5181	0.0555	3.0000e-005	0.0556	0.0000	12.6704	12.6704	1.0000e-004	2.5000e-004	12.7484
<b>Total</b>	<b>7.6200e-003</b>	<b>0.3287</b>	<b>0.1143</b>	<b>1.5100e-003</b>	<b>0.5716</b>	<b>2.5100e-003</b>	<b>0.5741</b>	<b>0.0705</b>	<b>2.4000e-003</b>	<b>0.0729</b>	<b>0.0000</b>	<b>147.7885</b>	<b>147.7885</b>	<b>4.9300e-003</b>	<b>0.0213</b>	<b>154.2525</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 System Dissassembly and Removal - 2050**

**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	0.1696	0.6297	2.4398	4.4700e-003		0.0107	0.0107		0.0107	0.0107	0.0000	384.2993	384.2993	0.0136	0.0000	384.6394
<b>Total</b>	<b>0.1696</b>	<b>0.6297</b>	<b>2.4398</b>	<b>4.4700e-003</b>		<b>0.0107</b>	<b>0.0107</b>		<b>0.0107</b>	<b>0.0107</b>	<b>0.0000</b>	<b>384.2993</b>	<b>384.2993</b>	<b>0.0136</b>	<b>0.0000</b>	<b>384.6394</b>

**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	8.9200e-003	0.5761	0.1507	2.3500e-003	0.0872	4.6100e-003	0.0918	0.0239	4.4100e-003	0.0283	0.0000	233.2183	233.2183	9.5600e-003	0.0370	244.4783
Vendor	3.7900e-003	0.2344	0.0512	1.0400e-003	0.0453	1.5200e-003	0.0469	0.0131	1.4500e-003	0.0145	0.0000	101.5900	101.5900	2.4100e-003	0.0151	106.1551
Worker	0.0247	0.0161	0.3239	1.3600e-003	10.0057	3.7000e-004	10.0061	1.0362	3.4000e-004	1.0366	0.0000	125.1200	125.1200	9.9000e-004	2.5000e-003	125.8904
<b>Total</b>	<b>0.0374</b>	<b>0.8266</b>	<b>0.5258</b>	<b>4.7500e-003</b>	<b>10.1382</b>	<b>6.5000e-003</b>	<b>10.1447</b>	<b>1.0732</b>	<b>6.2000e-003</b>	<b>1.0794</b>	<b>0.0000</b>	<b>459.9283</b>	<b>459.9283</b>	<b>0.0130</b>	<b>0.0546</b>	<b>476.5238</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 System Dissassembly and Removal - 2050**

**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	0.1696	0.6297	2.4398	4.4700e-003		0.0107	0.0107		0.0107	0.0107	0.0000	384.2989	384.2989	0.0136	0.0000	384.6390
<b>Total</b>	<b>0.1696</b>	<b>0.6297</b>	<b>2.4398</b>	<b>4.4700e-003</b>		<b>0.0107</b>	<b>0.0107</b>		<b>0.0107</b>	<b>0.0107</b>	<b>0.0000</b>	<b>384.2989</b>	<b>384.2989</b>	<b>0.0136</b>	<b>0.0000</b>	<b>384.6390</b>

**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	8.9200e-003	0.5761	0.1507	2.3500e-003	0.0872	4.6100e-003	0.0918	0.0239	4.4100e-003	0.0283	0.0000	233.2183	233.2183	9.5600e-003	0.0370	244.4783
Vendor	3.7900e-003	0.2344	0.0512	1.0400e-003	0.0453	1.5200e-003	0.0469	0.0131	1.4500e-003	0.0145	0.0000	101.5900	101.5900	2.4100e-003	0.0151	106.1551
Worker	0.0247	0.0161	0.3239	1.3600e-003	5.1163	3.7000e-004	5.1167	0.5483	3.4000e-004	0.5487	0.0000	125.1200	125.1200	9.9000e-004	2.5000e-003	125.8904
<b>Total</b>	<b>0.0374</b>	<b>0.8266</b>	<b>0.5258</b>	<b>4.7500e-003</b>	<b>5.2488</b>	<b>6.5000e-003</b>	<b>5.2553</b>	<b>0.5853</b>	<b>6.2000e-003</b>	<b>0.5915</b>	<b>0.0000</b>	<b>459.9283</b>	<b>459.9283</b>	<b>0.0130</b>	<b>0.0546</b>	<b>476.5238</b>

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**3.4 Energy Storage Removal - 2050**

**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	0.0528	0.2211	0.5823	1.4000e-003		3.4000e-003	3.4000e-003		3.4000e-003	3.4000e-003	0.0000	120.1085	120.1085	4.2600e-003	0.0000	120.2150
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0528</b>	<b>0.2211</b>	<b>0.5823</b>	<b>1.4000e-003</b>		<b>3.4000e-003</b>	<b>3.4000e-003</b>		<b>3.4000e-003</b>	<b>3.4000e-003</b>	<b>0.0000</b>	<b>120.1085</b>	<b>120.1085</b>	<b>4.2600e-003</b>	<b>0.0000</b>	<b>120.2150</b>

**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	4.8800e-003	0.3155	0.0825	1.2900e-003	0.0477	2.5200e-003	0.0503	0.0131	2.4100e-003	0.0155	0.0000	127.6952	127.6952	5.2400e-003	0.0203	133.8605
Vendor	2.6000e-004	0.0161	3.5200e-003	7.0000e-005	3.1200e-003	1.0000e-004	3.2300e-003	9.0000e-004	1.0000e-004	1.0000e-003	0.0000	6.9924	6.9924	1.7000e-004	1.0400e-003	7.3066
Worker	3.4000e-003	2.2200e-003	0.0446	1.9000e-004	1.3774	5.0000e-005	1.3774	0.1427	5.0000e-005	0.1427	0.0000	17.2238	17.2238	1.4000e-004	3.4000e-004	17.3299
<b>Total</b>	<b>8.5400e-003</b>	<b>0.3338</b>	<b>0.1306</b>	<b>1.5500e-003</b>	<b>1.4282</b>	<b>2.6700e-003</b>	<b>1.4309</b>	<b>0.1567</b>	<b>2.5600e-003</b>	<b>0.1592</b>	<b>0.0000</b>	<b>151.9114</b>	<b>151.9114</b>	<b>5.5500e-003</b>	<b>0.0216</b>	<b>158.4969</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Energy Storage Removal - 2050**

**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	0.0528	0.2211	0.5823	1.4000e-003		3.4000e-003	3.4000e-003		3.4000e-003	3.4000e-003	0.0000	120.1084	120.1084	4.2600e-003	0.0000	120.2149
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0528</b>	<b>0.2211</b>	<b>0.5823</b>	<b>1.4000e-003</b>		<b>3.4000e-003</b>	<b>3.4000e-003</b>		<b>3.4000e-003</b>	<b>3.4000e-003</b>	<b>0.0000</b>	<b>120.1084</b>	<b>120.1084</b>	<b>4.2600e-003</b>	<b>0.0000</b>	<b>120.2149</b>

**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	4.8800e-003	0.3155	0.0825	1.2900e-003	0.0477	2.5200e-003	0.0503	0.0131	2.4100e-003	0.0155	0.0000	127.6952	127.6952	5.2400e-003	0.0203	133.8605
Vendor	2.6000e-004	0.0161	3.5200e-003	7.0000e-005	3.1200e-003	1.0000e-004	3.2300e-003	9.0000e-004	1.0000e-004	1.0000e-003	0.0000	6.9924	6.9924	1.7000e-004	1.0400e-003	7.3066
Worker	3.4000e-003	2.2200e-003	0.0446	1.9000e-004	0.7043	5.0000e-005	0.7044	0.0755	5.0000e-005	0.0755	0.0000	17.2238	17.2238	1.4000e-004	3.4000e-004	17.3299
<b>Total</b>	<b>8.5400e-003</b>	<b>0.3338</b>	<b>0.1306</b>	<b>1.5500e-003</b>	<b>0.7551</b>	<b>2.6700e-003</b>	<b>0.7578</b>	<b>0.0895</b>	<b>2.5600e-003</b>	<b>0.0920</b>	<b>0.0000</b>	<b>151.9114</b>	<b>151.9114</b>	<b>5.5500e-003</b>	<b>0.0216</b>	<b>158.4969</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Site Clean up and Resteration - 2050**

**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	0.0386	0.0784	0.5547	1.1500e-003		2.4900e-003	2.4900e-003		2.4900e-003	2.4900e-003	0.0000	98.6364	98.6364	3.1000e-003	0.0000	98.7138
<b>Total</b>	<b>0.0386</b>	<b>0.0784</b>	<b>0.5547</b>	<b>1.1500e-003</b>		<b>2.4900e-003</b>	<b>2.4900e-003</b>		<b>2.4900e-003</b>	<b>2.4900e-003</b>	<b>0.0000</b>	<b>98.6364</b>	<b>98.6364</b>	<b>3.1000e-003</b>	<b>0.0000</b>	<b>98.7138</b>

**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	3.7200e-003	0.2402	0.0628	9.8000e-004	0.0364	1.9200e-003	0.0383	9.9800e-003	1.8400e-003	0.0118	0.0000	97.2525	97.2525	3.9900e-003	0.0154	101.9480
Vendor	2.0000e-004	0.0122	2.6700e-003	5.0000e-005	2.3700e-003	8.0000e-005	2.4500e-003	6.8000e-004	8.0000e-005	7.6000e-004	0.0000	5.3045	5.3045	1.3000e-004	7.9000e-004	5.5429
Worker	1.3400e-003	8.7000e-004	0.0176	7.0000e-005	0.5434	2.0000e-005	0.5434	0.0563	2.0000e-005	0.0563	0.0000	6.7945	6.7945	5.0000e-005	1.4000e-004	6.8363
<b>Total</b>	<b>5.2600e-003</b>	<b>0.2534</b>	<b>0.0831</b>	<b>1.1000e-003</b>	<b>0.5821</b>	<b>2.0200e-003</b>	<b>0.5841</b>	<b>0.0669</b>	<b>1.9400e-003</b>	<b>0.0689</b>	<b>0.0000</b>	<b>109.3515</b>	<b>109.3515</b>	<b>4.1700e-003</b>	<b>0.0164</b>	<b>114.3272</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Site Clean up and Resteration - 2050**

**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	0.0386	0.0784	0.5547	1.1500e-003		2.4900e-003	2.4900e-003		2.4900e-003	2.4900e-003	0.0000	98.6362	98.6362	3.1000e-003	0.0000	98.7136
<b>Total</b>	<b>0.0386</b>	<b>0.0784</b>	<b>0.5547</b>	<b>1.1500e-003</b>		<b>2.4900e-003</b>	<b>2.4900e-003</b>		<b>2.4900e-003</b>	<b>2.4900e-003</b>	<b>0.0000</b>	<b>98.6362</b>	<b>98.6362</b>	<b>3.1000e-003</b>	<b>0.0000</b>	<b>98.7136</b>

**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	3.7200e-003	0.2402	0.0628	9.8000e-004	0.0364	1.9200e-003	0.0383	9.9800e-003	1.8400e-003	0.0118	0.0000	97.2525	97.2525	3.9900e-003	0.0154	101.9480
Vendor	2.0000e-004	0.0122	2.6700e-003	5.0000e-005	2.3700e-003	8.0000e-005	2.4500e-003	6.8000e-004	8.0000e-005	7.6000e-004	0.0000	5.3045	5.3045	1.3000e-004	7.9000e-004	5.5429
Worker	1.3400e-003	8.7000e-004	0.0176	7.0000e-005	0.2778	2.0000e-005	0.2779	0.0298	2.0000e-005	0.0298	0.0000	6.7945	6.7945	5.0000e-005	1.4000e-004	6.8363
<b>Total</b>	<b>5.2600e-003</b>	<b>0.2534</b>	<b>0.0831</b>	<b>1.1000e-003</b>	<b>0.3166</b>	<b>2.0200e-003</b>	<b>0.3186</b>	<b>0.0404</b>	<b>1.9400e-003</b>	<b>0.0424</b>	<b>0.0000</b>	<b>109.3515</b>	<b>109.3515</b>	<b>4.1700e-003</b>	<b>0.0164</b>	<b>114.3272</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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
Unrefrigerated Warehouse-No Rail	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
Unrefrigerated Warehouse-No Rail	15.00	7.50	8.50	59.00	0.00	41.00	92	5	3

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.575251	0.056352	0.181743	0.116249	0.016967	0.004916	0.012153	0.008974	0.000580	0.000864	0.023283	0.000577	0.002091





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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**5.3 Energy by Land Use - Electricity**

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0437	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5000e-004	2.5000e-004	0.0000	0.0000	2.6000e-004
Unmitigated	0.0437	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5000e-004	2.5000e-004	0.0000	0.0000	2.6000e-004

**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	4.6400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0391					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5000e-004	2.5000e-004	0.0000	0.0000	2.6000e-004
<b>Total</b>	<b>0.0437</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.5000e-004</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.6000e-004</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**6.2 Area by SubCategory**

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	4.6400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0391					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5000e-004	2.5000e-004	0.0000	0.0000	2.6000e-004
<b>Total</b>	<b>0.0437</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.5000e-004</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.6000e-004</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	61.3838	5.6600e-003	6.9000e-004	61.7296
Unmitigated	61.3838	5.6600e-003	6.9000e-004	61.7296

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	0 / 108.009	61.3838	5.6600e-003	6.9000e-004	61.7296
<b>Total</b>		<b>61.3838</b>	<b>5.6600e-003</b>	<b>6.9000e-004</b>	<b>61.7296</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**7.2 Water by Land Use**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	0 / 108.009	61.3838	5.6600e-003	6.9000e-004	61.7296
<b>Total</b>		<b>61.3838</b>	<b>5.6600e-003</b>	<b>6.9000e-004</b>	<b>61.7296</b>

**8.0 Waste Detail**

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**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



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**8.2 Waste by Land Use**

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**9.0 Operational Offroad**

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Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**10.0 Stationary Equipment**

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**Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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CCAR Project - DECOM Mitigated - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**CCAR Project - DECOM Mitigated**  
**Sacramento Metropolitan AQMD Air District, Summer**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	10.00	1000sqft	2,555.00	10,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	3.5	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	6			<b>Operational Year</b>	2050
<b>Utility Company</b>	Sacramento Municipal Utility District				
<b>CO2 Intensity (lb/MWhr)</b>	357.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

- Project Characteristics -
- Land Use - qa
- Construction Phase - a
- Off-road Equipment - A
- Off-road Equipment - z
- Off-road Equipment - a
- Off-road Equipment - z
- Off-road Equipment - A
- Trips and VMT - A
- On-road Fugitive Dust - H
- Vehicle Trips - No ops
- Energy Use - H



CCAR Project - DECOM Mitigated - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblConstructionPhase	NumDays	155,000.00	158.00
tblConstructionPhase	NumDays	10,000.00	64.00
tblConstructionPhase	NumDays	11,000.00	87.00
tblEnergyUse	LightingElect	1.60	0.00
tblEnergyUse	NT24E	1.36	0.00
tblEnergyUse	T24E	0.23	0.00
tblEnergyUse	T24NG	0.49	0.00
tblLandUse	LotAcreage	0.23	2,555.00
tblOffRoadEquipment	HorsePower	247.00	255.00
tblOffRoadEquipment	HorsePower	231.00	226.00
tblOffRoadEquipment	HorsePower	187.00	174.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00

CCAR Project - DECOM Mitigated - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	9.40	0.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripNumber	0.00	3,204.00
tblTripsAndVMT	HaulingTripNumber	0.00	7,952.00
tblTripsAndVMT	HaulingTripNumber	0.00	4,354.00
tblTripsAndVMT	HaulingTripNumber	0.00	3,316.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripNumber	0.00	32.00
tblTripsAndVMT	VendorTripNumber	2.00	32.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	WorkerTripLength	15.00	20.00

CCAR Project - DECOM Mitigated - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblTripsAndVMT	WorkerTripLength	15.00	20.00
tblTripsAndVMT	WorkerTripLength	15.00	20.00
tblTripsAndVMT	WorkerTripLength	15.00	20.00
tblTripsAndVMT	WorkerTripNumber	15.00	50.00
tblTripsAndVMT	WorkerTripNumber	4.00	200.00
tblTripsAndVMT	WorkerTripNumber	15.00	50.00
tblTripsAndVMT	WorkerTripNumber	15.00	26.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	2,312,500.00	0.00
tblWater	OutdoorWaterUseRate	0.00	108,009,247.00

**2.0 Emissions Summary**

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CCAR Project - DECOM Mitigated - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.2395	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003
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
<b>Total</b>	<b>0.2395</b>	<b>1.0000e-005</b>	<b>1.0100e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>2.1900e-003</b>	<b>2.1900e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>2.3300e-003</b>

**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	0.2395	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003
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
<b>Total</b>	<b>0.2395</b>	<b>1.0000e-005</b>	<b>1.0100e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>2.1900e-003</b>	<b>2.1900e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>2.3300e-003</b>

CCAR Project - DECOM Mitigated - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	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	Perimeter Fence Removal	Demolition	1/1/2050	3/31/2050	5	64	
2	System Dissassembly and Removal	Building Construction	2/21/2050	9/28/2050	5	158	
3	Energy Storage Removal	Paving	5/1/2050	8/30/2050	5	87	
4	Site Clean up and Resteration	Trenching	9/30/2050	12/30/2050	5	66	

**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; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Perimeter Fence Removal	Concrete/Industrial Saws	0	0.00	81	0.73
Perimeter Fence Removal	Excavators	0	0.00	158	0.38
Perimeter Fence Removal	Off-Highway Trucks	2	8.00	150	0.38
Perimeter Fence Removal	Rough Terrain Forklifts	1	8.00	100	0.40
Perimeter Fence Removal	Rubber Tired Dozers	0	0.00	255	0.40
Perimeter Fence Removal	Skid Steer Loaders	3	8.00	65	0.37
Perimeter Fence Removal	Tractors/Loaders/Backhoes	0	0.00	97	0.37

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

System Disassembly and Removal	Cranes	1	8.00	231	0.29
System Disassembly and Removal	Forklifts	0	0.00	89	0.20
System Disassembly and Removal	Generator Sets	0	0.00	84	0.74
System Disassembly and Removal	Graders	0	0.00	174	0.41
System Disassembly and Removal	Off-Highway Trucks	4	8.00	150	0.38
System Disassembly and Removal	Rough Terrain Forklifts	6	8.00	100	0.40
System Disassembly and Removal	Tractors/Loaders/Backhoes	0	0.00	97	0.37
System Disassembly and Removal	Welders	0	0.00	46	0.45
Energy Storage Removal	Cement and Mortar Mixers	0		9	0.56
Energy Storage Removal	Cranes	1	8.00	231	0.29
Energy Storage Removal	Graders	1	8.00	187	0.41
Energy Storage Removal	Pavers	0	0.00	130	0.42
Energy Storage Removal	Paving Equipment	0	0.00	132	0.36
Energy Storage Removal	Rollers	0	0.00	80	0.38
Energy Storage Removal	Rough Terrain Forklifts	4	8.00	100	0.40
Energy Storage Removal	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Site Clean up and Resteration	Cranes	0	0.00	226	0.29
Site Clean up and Resteration	Forklifts	0	0.00	89	0.20
Site Clean up and Resteration	Graders	1	8.00	187	0.41
Site Clean up and Resteration	Off-Highway Trucks	4	8.00	150	0.38
Site Clean up and Resteration	Skid Steer Loaders	1	8.00	65	0.37
Site Clean up and Resteration	Tractors/Loaders/Backhoes	0	0.00	97	0.37

**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
Perimeter Fence Removal	6	50.00	32.00	3,204.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
System Disassembly and Removal	11	200.00	32.00	7,952.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT

CCAR Project - DECOM Mitigated - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Energy Storage Removal	6	50.00	4.00	4,354.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
Site Clean up and Restoration	6	26.00	4.00	3,316.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

- Use Cleaner Engines for Construction Equipment
- Use Soil Stabilizer
- Replace Ground Cover
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads

**3.2 Perimeter Fence Removal - 2050**

**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	0.8627	3.5131	14.0188	0.0239		0.0540	0.0540		0.0540	0.0540		2,266.7205	2,266.7205	0.0766		2,268.6354
<b>Total</b>	<b>0.8627</b>	<b>3.5131</b>	<b>14.0188</b>	<b>0.0239</b>		<b>0.0540</b>	<b>0.0540</b>		<b>0.0540</b>	<b>0.0540</b>		<b>2,266.7205</b>	<b>2,266.7205</b>	<b>0.0766</b>		<b>2,268.6354</b>

CCAR Project - DECOM Mitigated - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Perimeter Fence Removal - 2050**

**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	0.1153	6.8390	1.8895	0.0296	1.1316	0.0580	1.1896	0.3096	0.0555	0.3651		3,235.707 3	3,235.707 3	0.1329	0.5131	3,391.928 4
Vendor	0.0489	2.7968	0.6424	0.0132	0.5907	0.0192	0.6099	0.1698	0.0184	0.1881		1,417.077 6	1,417.077 6	0.0337	0.2108	1,480.730 2
Worker	0.0836	0.0466	1.2423	4.7300e-003	37.5356	1.1600e-003	37.5368	3.8689	1.0700e-003	3.8700		478.3839	478.3839	3.3800e-003	8.2200e-003	480.9191
<b>Total</b>	<b>0.2478</b>	<b>9.6824</b>	<b>3.7742</b>	<b>0.0475</b>	<b>39.2580</b>	<b>0.0783</b>	<b>39.3364</b>	<b>4.3483</b>	<b>0.0749</b>	<b>4.4232</b>		<b>5,131.168 8</b>	<b>5,131.168 8</b>	<b>0.1700</b>	<b>0.7321</b>	<b>5,353.577 7</b>

**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	0.3157	4.1929	14.7578	0.0239		0.0319	0.0319		0.0319	0.0319	0.0000	2,266.720 5	2,266.720 5	0.0766		2,268.635 4
<b>Total</b>	<b>0.3157</b>	<b>4.1929</b>	<b>14.7578</b>	<b>0.0239</b>		<b>0.0319</b>	<b>0.0319</b>		<b>0.0319</b>	<b>0.0319</b>	<b>0.0000</b>	<b>2,266.720 5</b>	<b>2,266.720 5</b>	<b>0.0766</b>		<b>2,268.635 4</b>

CCAR Project - DECOM Mitigated - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Perimeter Fence Removal - 2050**

**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	0.1153	6.8390	1.8895	0.0296	1.1316	0.0580	1.1896	0.3096	0.0555	0.3651		3,235.707 3	3,235.707 3	0.1329	0.5131	3,391.928 4
Vendor	0.0489	2.7968	0.6424	0.0132	0.5907	0.0192	0.6099	0.1698	0.0184	0.1881		1,417.077 6	1,417.077 6	0.0337	0.2108	1,480.730 2
Worker	0.0836	0.0466	1.2423	4.7300e-003	6.6004	1.1600e-003	6.6016	0.7812	1.0700e-003	0.7822		478.3839	478.3839	3.3800e-003	8.2200e-003	480.9191
<b>Total</b>	<b>0.2478</b>	<b>9.6824</b>	<b>3.7742</b>	<b>0.0475</b>	<b>8.3228</b>	<b>0.0783</b>	<b>8.4011</b>	<b>1.2606</b>	<b>0.0749</b>	<b>1.3355</b>		<b>5,131.168 8</b>	<b>5,131.168 8</b>	<b>0.1700</b>	<b>0.7321</b>	<b>5,353.577 7</b>

**3.3 System Dissassembly and Removal - 2050**

**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	2.1468	7.9710	30.8831	0.0566		0.1354	0.1354		0.1354	0.1354		5,362.246 9	5,362.246 9	0.1898		5,366.992 4
<b>Total</b>	<b>2.1468</b>	<b>7.9710</b>	<b>30.8831</b>	<b>0.0566</b>		<b>0.1354</b>	<b>0.1354</b>		<b>0.1354</b>	<b>0.1354</b>		<b>5,362.246 9</b>	<b>5,362.246 9</b>	<b>0.1898</b>		<b>5,366.992 4</b>

CCAR Project - DECOM Mitigated - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 System Dissassembly and Removal - 2050**

**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	0.1159	6.8754	1.8995	0.0298	1.1377	0.0583	1.1960	0.3112	0.0558	0.3670		3,252.939 4	3,252.939 4	0.1336	0.5158	3,409.992 5
Vendor	0.0489	2.7968	0.6424	0.0132	0.5907	0.0192	0.6099	0.1698	0.0184	0.1881		1,417.077 6	1,417.077 6	0.0337	0.2108	1,480.730 2
Worker	0.3344	0.1865	4.9692	0.0189	150.1426	4.6400e-003	150.1472	15.4756	4.2700e-003	15.4799		1,913.535 7	1,913.535 7	0.0135	0.0329	1,923.676 5
<b>Total</b>	<b>0.4991</b>	<b>9.8587</b>	<b>7.5111</b>	<b>0.0619</b>	<b>151.8710</b>	<b>0.0821</b>	<b>151.9531</b>	<b>15.9567</b>	<b>0.0784</b>	<b>16.0350</b>		<b>6,583.552 7</b>	<b>6,583.552 7</b>	<b>0.1808</b>	<b>0.7595</b>	<b>6,814.399 2</b>

**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	0.5661	2.4533	33.1395	0.0566		0.0755	0.0755		0.0755	0.0755	0.0000	5,362.246 8	5,362.246 8	0.1898		5,366.992 4
<b>Total</b>	<b>0.5661</b>	<b>2.4533</b>	<b>33.1395</b>	<b>0.0566</b>		<b>0.0755</b>	<b>0.0755</b>		<b>0.0755</b>	<b>0.0755</b>	<b>0.0000</b>	<b>5,362.246 8</b>	<b>5,362.246 8</b>	<b>0.1898</b>		<b>5,366.992 4</b>

CCAR Project - DECOM Mitigated - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 System Dissassembly and Removal - 2050**

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	0.1159	6.8754	1.8995	0.0298	1.1377	0.0583	1.1960	0.3112	0.0558	0.3670		3,252.939 4	3,252.939 4	0.1336	0.5158	3,409.992 5
Vendor	0.0489	2.7968	0.6424	0.0132	0.5907	0.0192	0.6099	0.1698	0.0184	0.1881		1,417.077 6	1,417.077 6	0.0337	0.2108	1,480.730 2
Worker	0.3344	0.1865	4.9692	0.0189	26.4016	4.6400e-003	26.4062	3.1247	4.2700e-003	3.1289		1,913.535 7	1,913.535 7	0.0135	0.0329	1,923.676 5
<b>Total</b>	<b>0.4991</b>	<b>9.8587</b>	<b>7.5111</b>	<b>0.0619</b>	<b>28.1300</b>	<b>0.0821</b>	<b>28.2121</b>	<b>3.6057</b>	<b>0.0784</b>	<b>3.6841</b>		<b>6,583.552 7</b>	<b>6,583.552 7</b>	<b>0.1808</b>	<b>0.7595</b>	<b>6,814.399 2</b>

**3.4 Energy Storage Removal - 2050**

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	1.2127	5.0838	13.3869	0.0321		0.0781	0.0781		0.0781	0.0781		3,043.608 1	3,043.608 1	0.1080		3,046.307 5
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.2127</b>	<b>5.0838</b>	<b>13.3869</b>	<b>0.0321</b>		<b>0.0781</b>	<b>0.0781</b>		<b>0.0781</b>	<b>0.0781</b>		<b>3,043.608 1</b>	<b>3,043.608 1</b>	<b>0.1080</b>		<b>3,046.307 5</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Energy Storage Removal - 2050**

**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	0.1153	6.8368	1.8888	0.0296	1.1313	0.0580	1.1892	0.3095	0.0555	0.3650		3,234.6393	3,234.6393	0.1329	0.5129	3,390.8089
Vendor	6.1100e-003	0.3496	0.0803	1.6500e-003	0.0738	2.4000e-003	0.0762	0.0212	2.2900e-003	0.0235		177.1347	177.1347	4.2100e-003	0.0264	185.0913
Worker	0.0836	0.0466	1.2423	4.7300e-003	37.5356	1.1600e-003	37.5368	3.8689	1.0700e-003	3.8700		478.3839	478.3839	3.3800e-003	8.2200e-003	480.9191
<b>Total</b>	<b>0.2050</b>	<b>7.2330</b>	<b>3.2114</b>	<b>0.0360</b>	<b>38.7408</b>	<b>0.0615</b>	<b>38.8023</b>	<b>4.1996</b>	<b>0.0588</b>	<b>4.2584</b>		<b>3,890.1579</b>	<b>3,890.1579</b>	<b>0.1405</b>	<b>0.5475</b>	<b>4,056.8193</b>

**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	0.3213	1.3925	16.0153	0.0321		0.0429	0.0429		0.0429	0.0429	0.0000	3,043.6081	3,043.6081	0.1080		3,046.3075
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.3213</b>	<b>1.3925</b>	<b>16.0153</b>	<b>0.0321</b>		<b>0.0429</b>	<b>0.0429</b>		<b>0.0429</b>	<b>0.0429</b>	<b>0.0000</b>	<b>3,043.6081</b>	<b>3,043.6081</b>	<b>0.1080</b>		<b>3,046.3075</b>

CCAR Project - DECOM Mitigated - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Energy Storage Removal - 2050**

**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	0.1153	6.8368	1.8888	0.0296	1.1313	0.0580	1.1892	0.3095	0.0555	0.3650		3,234.6393	3,234.6393	0.1329	0.5129	3,390.8089
Vendor	6.1100e-003	0.3496	0.0803	1.6500e-003	0.0738	2.4000e-003	0.0762	0.0212	2.2900e-003	0.0235		177.1347	177.1347	4.2100e-003	0.0264	185.0913
Worker	0.0836	0.0466	1.2423	4.7300e-003	6.6004	1.1600e-003	6.6016	0.7812	1.0700e-003	0.7822		478.3839	478.3839	3.3800e-003	8.2200e-003	480.9191
<b>Total</b>	<b>0.2050</b>	<b>7.2330</b>	<b>3.2114</b>	<b>0.0360</b>	<b>7.8055</b>	<b>0.0615</b>	<b>7.8670</b>	<b>1.1119</b>	<b>0.0588</b>	<b>1.1707</b>		<b>3,890.1579</b>	<b>3,890.1579</b>	<b>0.1405</b>	<b>0.5475</b>	<b>4,056.8193</b>

**3.5 Site Clean up and Resteration - 2050**

**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	1.1681	2.3742	16.8104	0.0348		0.0754	0.0754		0.0754	0.0754		3,294.7868	3,294.7868	0.1034		3,297.3726
<b>Total</b>	<b>1.1681</b>	<b>2.3742</b>	<b>16.8104</b>	<b>0.0348</b>		<b>0.0754</b>	<b>0.0754</b>		<b>0.0754</b>	<b>0.0754</b>		<b>3,294.7868</b>	<b>3,294.7868</b>	<b>0.1034</b>		<b>3,297.3726</b>

CCAR Project - DECOM Mitigated - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Site Clean up and Resteration - 2050**

**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	0.1157	6.8636	1.8963	0.0297	1.1357	0.0582	1.1939	0.3107	0.0557	0.3664		3,247.3364	3,247.3364	0.1334	0.5149	3,404.1190
Vendor	6.1100e-003	0.3496	0.0803	1.6500e-003	0.0738	2.4000e-003	0.0762	0.0212	2.2900e-003	0.0235		177.1347	177.1347	4.2100e-003	0.0264	185.0913
Worker	0.0435	0.0243	0.6460	2.4600e-003	19.5185	6.0000e-004	19.5191	2.0118	5.6000e-004	2.0124		248.7596	248.7596	1.7600e-003	4.2800e-003	250.0779
<b>Total</b>	<b>0.1653</b>	<b>7.2374</b>	<b>2.6225</b>	<b>0.0338</b>	<b>20.7281</b>	<b>0.0612</b>	<b>20.7893</b>	<b>2.3438</b>	<b>0.0585</b>	<b>2.4023</b>		<b>3,673.2307</b>	<b>3,673.2307</b>	<b>0.1394</b>	<b>0.5456</b>	<b>3,839.2882</b>

**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	0.3733	2.5593	19.4229	0.0348		0.0464	0.0464		0.0464	0.0464	0.0000	3,294.7868	3,294.7868	0.1034		3,297.3726
<b>Total</b>	<b>0.3733</b>	<b>2.5593</b>	<b>19.4229</b>	<b>0.0348</b>		<b>0.0464</b>	<b>0.0464</b>		<b>0.0464</b>	<b>0.0464</b>	<b>0.0000</b>	<b>3,294.7868</b>	<b>3,294.7868</b>	<b>0.1034</b>		<b>3,297.3726</b>

CCAR Project - DECOM Mitigated - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Site Clean up and Resteration - 2050**

**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	0.1157	6.8636	1.8963	0.0297	1.1357	0.0582	1.1939	0.3107	0.0557	0.3664		3,247.3364	3,247.3364	0.1334	0.5149	3,404.1190
Vendor	6.1100e-003	0.3496	0.0803	1.6500e-003	0.0738	2.4000e-003	0.0762	0.0212	2.2900e-003	0.0235		177.1347	177.1347	4.2100e-003	0.0264	185.0913
Worker	0.0435	0.0243	0.6460	2.4600e-003	3.4322	6.0000e-004	3.4328	0.4062	5.6000e-004	0.4068		248.7596	248.7596	1.7600e-003	4.2800e-003	250.0779
<b>Total</b>	<b>0.1653</b>	<b>7.2374</b>	<b>2.6225</b>	<b>0.0338</b>	<b>4.6418</b>	<b>0.0612</b>	<b>4.7030</b>	<b>0.7381</b>	<b>0.0585</b>	<b>0.7967</b>		<b>3,673.2307</b>	<b>3,673.2307</b>	<b>0.1394</b>	<b>0.5456</b>	<b>3,839.2882</b>

CCAR Project - DECOM Mitigated - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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
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

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	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
Unrefrigerated Warehouse-No Rail	15.00	7.50	8.50	59.00	0.00	41.00	92	5	3

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.575251	0.056352	0.181743	0.116249	0.016967	0.004916	0.012153	0.008974	0.000580	0.000864	0.023283	0.000577	0.002091

CCAR Project - DECOM Mitigated - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**5.0 Energy Detail**

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					
Unrefrigerated Warehouse-No Rail	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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

CCAR Project - DECOM Mitigated - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**5.2 Energy by Land Use - NaturalGas**

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					
Unrefrigerated Warehouse-No Rail	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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	0.2395	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003
Unmitigated	0.2395	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003

CCAR Project - DECOM Mitigated - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.0254					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2140					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.0000e-005	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003
<b>Total</b>	<b>0.2395</b>	<b>1.0000e-005</b>	<b>1.0100e-003</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.1900e-003</b>	<b>2.1900e-003</b>	<b>1.0000e-005</b>		<b>2.3300e-003</b>



CCAR Project - DECOM Mitigated - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**6.2 Area by SubCategory**

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	0.0254					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2140					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.0000e-005	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003
<b>Total</b>	<b>0.2395</b>	<b>1.0000e-005</b>	<b>1.0100e-003</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.1900e-003</b>	<b>2.1900e-003</b>	<b>1.0000e-005</b>		<b>2.3300e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

CCAR Project - DECOM Mitigated - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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CCAR Project - DECOM - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**CCAR Project - DECOM**

**Sacramento Metropolitan AQMD Air District, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	10.00	1000sqft	2,555.00	10,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	3.5	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	6			<b>Operational Year</b>	2050
<b>Utility Company</b>	Sacramento Municipal Utility District				
<b>CO2 Intensity (lb/MWhr)</b>	357.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

- Project Characteristics -
- Land Use - qa
- Construction Phase - a
- Off-road Equipment - A
- Off-road Equipment - z
- Off-road Equipment - a
- Off-road Equipment - z
- Off-road Equipment - A
- Trips and VMT - A
- On-road Fugitive Dust - H
- Vehicle Trips - No ops
- Energy Use - H

CCAR Project - DECOM - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Water And Wastewater - water use same as construction

Solid Waste - no ops

Construction Off-road Equipment Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblConstructionPhase	NumDays	155,000.00	158.00
tblConstructionPhase	NumDays	10,000.00	64.00
tblConstructionPhase	NumDays	11,000.00	87.00
tblEnergyUse	LightingElect	1.60	0.00
tblEnergyUse	NT24E	1.36	0.00
tblEnergyUse	T24E	0.23	0.00
tblEnergyUse	T24NG	0.49	0.00
tblLandUse	LotAcreage	0.23	2,555.00
tblOffRoadEquipment	HorsePower	247.00	255.00
tblOffRoadEquipment	HorsePower	231.00	226.00
tblOffRoadEquipment	HorsePower	187.00	174.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

CCAR Project - DECOM - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	9.40	0.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripNumber	0.00	3,204.00
tblTripsAndVMT	HaulingTripNumber	0.00	7,952.00
tblTripsAndVMT	HaulingTripNumber	0.00	4,354.00
tblTripsAndVMT	HaulingTripNumber	0.00	3,316.00
tblTripsAndVMT	VendorTripLength	8.50	20.00

CCAR Project - DECOM - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripNumber	0.00	32.00
tblTripsAndVMT	VendorTripNumber	2.00	32.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	WorkerTripLength	15.00	20.00
tblTripsAndVMT	WorkerTripLength	15.00	20.00
tblTripsAndVMT	WorkerTripLength	15.00	20.00
tblTripsAndVMT	WorkerTripLength	15.00	20.00
tblTripsAndVMT	WorkerTripNumber	15.00	50.00
tblTripsAndVMT	WorkerTripNumber	4.00	200.00
tblTripsAndVMT	WorkerTripNumber	15.00	50.00
tblTripsAndVMT	WorkerTripNumber	15.00	26.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	2,312,500.00	0.00
tblWater	OutdoorWaterUseRate	0.00	108,009,247.00

**2.0 Emissions Summary**

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CCAR Project - DECOM - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.2395	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003
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
<b>Total</b>	<b>0.2395</b>	<b>1.0000e-005</b>	<b>1.0100e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>2.1900e-003</b>	<b>2.1900e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>2.3300e-003</b>

**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	0.2395	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003
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
<b>Total</b>	<b>0.2395</b>	<b>1.0000e-005</b>	<b>1.0100e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>2.1900e-003</b>	<b>2.1900e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>2.3300e-003</b>



CCAR Project - DECOM - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	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	Perimeter Fence Removal	Demolition	1/1/2050	3/31/2050	5	64	
2	System Dissassembly and Removal	Building Construction	2/21/2050	9/28/2050	5	158	
3	Energy Storage Removal	Paving	5/1/2050	8/30/2050	5	87	
4	Site Clean up and Resteration	Trenching	9/30/2050	12/30/2050	5	66	

**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; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Perimeter Fence Removal	Concrete/Industrial Saws	0	0.00	81	0.73
Perimeter Fence Removal	Excavators	0	0.00	158	0.38
Perimeter Fence Removal	Off-Highway Trucks	2	8.00	150	0.38
Perimeter Fence Removal	Rough Terrain Forklifts	1	8.00	100	0.40
Perimeter Fence Removal	Rubber Tired Dozers	0	0.00	255	0.40
Perimeter Fence Removal	Skid Steer Loaders	3	8.00	65	0.37
Perimeter Fence Removal	Tractors/Loaders/Backhoes	0	0.00	97	0.37

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

System Disassembly and Removal	Cranes	1	8.00	231	0.29
System Disassembly and Removal	Forklifts	0	0.00	89	0.20
System Disassembly and Removal	Generator Sets	0	0.00	84	0.74
System Disassembly and Removal	Graders	0	0.00	174	0.41
System Disassembly and Removal	Off-Highway Trucks	4	8.00	150	0.38
System Disassembly and Removal	Rough Terrain Forklifts	6	8.00	100	0.40
System Disassembly and Removal	Tractors/Loaders/Backhoes	0	0.00	97	0.37
System Disassembly and Removal	Welders	0	0.00	46	0.45
Energy Storage Removal	Cement and Mortar Mixers	0		9	0.56
Energy Storage Removal	Cranes	1	8.00	231	0.29
Energy Storage Removal	Graders	1	8.00	187	0.41
Energy Storage Removal	Pavers	0	0.00	130	0.42
Energy Storage Removal	Paving Equipment	0	0.00	132	0.36
Energy Storage Removal	Rollers	0	0.00	80	0.38
Energy Storage Removal	Rough Terrain Forklifts	4	8.00	100	0.40
Energy Storage Removal	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Site Clean up and Resteration	Cranes	0	0.00	226	0.29
Site Clean up and Resteration	Forklifts	0	0.00	89	0.20
Site Clean up and Resteration	Graders	1	8.00	187	0.41
Site Clean up and Resteration	Off-Highway Trucks	4	8.00	150	0.38
Site Clean up and Resteration	Skid Steer Loaders	1	8.00	65	0.37
Site Clean up and Resteration	Tractors/Loaders/Backhoes	0	0.00	97	0.37

**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
Perimeter Fence Removal	6	50.00	32.00	3,204.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
System Disassembly and Removal	11	200.00	32.00	7,952.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Energy Storage Removal	6	50.00	4.00	4,354.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
Site Clean up and Restoration	6	26.00	4.00	3,316.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

- Use Soil Stabilizer
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads

**3.2 Perimeter Fence Removal - 2050**

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	0.8627	3.5131	14.0188	0.0239		0.0540	0.0540		0.0540	0.0540		2,266.7205	2,266.7205	0.0766		2,268.6354
<b>Total</b>	<b>0.8627</b>	<b>3.5131</b>	<b>14.0188</b>	<b>0.0239</b>		<b>0.0540</b>	<b>0.0540</b>		<b>0.0540</b>	<b>0.0540</b>		<b>2,266.7205</b>	<b>2,266.7205</b>	<b>0.0766</b>		<b>2,268.6354</b>

CCAR Project - DECOM - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Perimeter Fence Removal - 2050**

**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	0.1153	6.8390	1.8895	0.0296	1.1316	0.0580	1.1896	0.3096	0.0555	0.3651		3,235.707 3	3,235.707 3	0.1329	0.5131	3,391.928 4
Vendor	0.0489	2.7968	0.6424	0.0132	0.5907	0.0192	0.6099	0.1698	0.0184	0.1881		1,417.077 6	1,417.077 6	0.0337	0.2108	1,480.730 2
Worker	0.0836	0.0466	1.2423	4.7300e-003	37.5356	1.1600e-003	37.5368	3.8689	1.0700e-003	3.8700		478.3839	478.3839	3.3800e-003	8.2200e-003	480.9191
<b>Total</b>	<b>0.2478</b>	<b>9.6824</b>	<b>3.7742</b>	<b>0.0475</b>	<b>39.2580</b>	<b>0.0783</b>	<b>39.3364</b>	<b>4.3483</b>	<b>0.0749</b>	<b>4.4232</b>		<b>5,131.168 8</b>	<b>5,131.168 8</b>	<b>0.1700</b>	<b>0.7321</b>	<b>5,353.577 7</b>

**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	0.8627	3.5131	14.0188	0.0239		0.0540	0.0540		0.0540	0.0540	0.0000	2,266.720 5	2,266.720 5	0.0766		2,268.635 4
<b>Total</b>	<b>0.8627</b>	<b>3.5131</b>	<b>14.0188</b>	<b>0.0239</b>		<b>0.0540</b>	<b>0.0540</b>		<b>0.0540</b>	<b>0.0540</b>	<b>0.0000</b>	<b>2,266.720 5</b>	<b>2,266.720 5</b>	<b>0.0766</b>		<b>2,268.635 4</b>

CCAR Project - DECOM - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Perimeter Fence Removal - 2050**

**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	0.1153	6.8390	1.8895	0.0296	1.1316	0.0580	1.1896	0.3096	0.0555	0.3651		3,235.707 3	3,235.707 3	0.1329	0.5131	3,391.928 4
Vendor	0.0489	2.7968	0.6424	0.0132	0.5907	0.0192	0.6099	0.1698	0.0184	0.1881		1,417.077 6	1,417.077 6	0.0337	0.2108	1,480.730 2
Worker	0.0836	0.0466	1.2423	4.7300e-003	19.1397	1.1600e-003	19.1408	2.0332	1.0700e-003	2.0343		478.3839	478.3839	3.3800e-003	8.2200e-003	480.9191
<b>Total</b>	<b>0.2478</b>	<b>9.6824</b>	<b>3.7742</b>	<b>0.0475</b>	<b>20.8620</b>	<b>0.0783</b>	<b>20.9404</b>	<b>2.5126</b>	<b>0.0749</b>	<b>2.5875</b>		<b>5,131.168 8</b>	<b>5,131.168 8</b>	<b>0.1700</b>	<b>0.7321</b>	<b>5,353.577 7</b>

**3.3 System Dissassembly and Removal - 2050**

**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	2.1468	7.9710	30.8831	0.0566		0.1354	0.1354		0.1354	0.1354		5,362.246 9	5,362.246 9	0.1898		5,366.992 4
<b>Total</b>	<b>2.1468</b>	<b>7.9710</b>	<b>30.8831</b>	<b>0.0566</b>		<b>0.1354</b>	<b>0.1354</b>		<b>0.1354</b>	<b>0.1354</b>		<b>5,362.246 9</b>	<b>5,362.246 9</b>	<b>0.1898</b>		<b>5,366.992 4</b>

CCAR Project - DECOM - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 System Dissassembly and Removal - 2050**

**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	0.1159	6.8754	1.8995	0.0298	1.1377	0.0583	1.1960	0.3112	0.0558	0.3670		3,252.939 4	3,252.939 4	0.1336	0.5158	3,409.992 5
Vendor	0.0489	2.7968	0.6424	0.0132	0.5907	0.0192	0.6099	0.1698	0.0184	0.1881		1,417.077 6	1,417.077 6	0.0337	0.2108	1,480.730 2
Worker	0.3344	0.1865	4.9692	0.0189	150.1426	4.6400e-003	150.1472	15.4756	4.2700e-003	15.4799		1,913.535 7	1,913.535 7	0.0135	0.0329	1,923.676 5
<b>Total</b>	<b>0.4991</b>	<b>9.8587</b>	<b>7.5111</b>	<b>0.0619</b>	<b>151.8710</b>	<b>0.0821</b>	<b>151.9531</b>	<b>15.9567</b>	<b>0.0784</b>	<b>16.0350</b>		<b>6,583.552 7</b>	<b>6,583.552 7</b>	<b>0.1808</b>	<b>0.7595</b>	<b>6,814.399 2</b>

**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	2.1468	7.9710	30.8831	0.0566		0.1354	0.1354		0.1354	0.1354	0.0000	5,362.246 8	5,362.246 8	0.1898		5,366.992 4
<b>Total</b>	<b>2.1468</b>	<b>7.9710</b>	<b>30.8831</b>	<b>0.0566</b>		<b>0.1354</b>	<b>0.1354</b>		<b>0.1354</b>	<b>0.1354</b>	<b>0.0000</b>	<b>5,362.246 8</b>	<b>5,362.246 8</b>	<b>0.1898</b>		<b>5,366.992 4</b>

CCAR Project - DECOM - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 System Dissassembly and Removal - 2050**

**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	0.1159	6.8754	1.8995	0.0298	1.1377	0.0583	1.1960	0.3112	0.0558	0.3670		3,252.939 4	3,252.939 4	0.1336	0.5158	3,409.992 5
Vendor	0.0489	2.7968	0.6424	0.0132	0.5907	0.0192	0.6099	0.1698	0.0184	0.1881		1,417.077 6	1,417.077 6	0.0337	0.2108	1,480.730 2
Worker	0.3344	0.1865	4.9692	0.0189	76.5586	4.6400e-003	76.5633	8.1329	4.2700e-003	8.1371		1,913.535 7	1,913.535 7	0.0135	0.0329	1,923.676 5
<b>Total</b>	<b>0.4991</b>	<b>9.8587</b>	<b>7.5111</b>	<b>0.0619</b>	<b>78.2871</b>	<b>0.0821</b>	<b>78.3692</b>	<b>8.6139</b>	<b>0.0784</b>	<b>8.6923</b>		<b>6,583.552 7</b>	<b>6,583.552 7</b>	<b>0.1808</b>	<b>0.7595</b>	<b>6,814.399 2</b>

**3.4 Energy Storage Removal - 2050**

**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	1.2127	5.0838	13.3869	0.0321		0.0781	0.0781		0.0781	0.0781		3,043.608 1	3,043.608 1	0.1080		3,046.307 5
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.2127</b>	<b>5.0838</b>	<b>13.3869</b>	<b>0.0321</b>		<b>0.0781</b>	<b>0.0781</b>		<b>0.0781</b>	<b>0.0781</b>		<b>3,043.608 1</b>	<b>3,043.608 1</b>	<b>0.1080</b>		<b>3,046.307 5</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Energy Storage Removal - 2050**

**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	0.1153	6.8368	1.8888	0.0296	1.1313	0.0580	1.1892	0.3095	0.0555	0.3650		3,234.6393	3,234.6393	0.1329	0.5129	3,390.8089
Vendor	6.1100e-003	0.3496	0.0803	1.6500e-003	0.0738	2.4000e-003	0.0762	0.0212	2.2900e-003	0.0235		177.1347	177.1347	4.2100e-003	0.0264	185.0913
Worker	0.0836	0.0466	1.2423	4.7300e-003	37.5356	1.1600e-003	37.5368	3.8689	1.0700e-003	3.8700		478.3839	478.3839	3.3800e-003	8.2200e-003	480.9191
<b>Total</b>	<b>0.2050</b>	<b>7.2330</b>	<b>3.2114</b>	<b>0.0360</b>	<b>38.7408</b>	<b>0.0615</b>	<b>38.8023</b>	<b>4.1996</b>	<b>0.0588</b>	<b>4.2584</b>		<b>3,890.1579</b>	<b>3,890.1579</b>	<b>0.1405</b>	<b>0.5475</b>	<b>4,056.8193</b>

**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	1.2127	5.0838	13.3869	0.0321		0.0781	0.0781		0.0781	0.0781	0.0000	3,043.6081	3,043.6081	0.1080		3,046.3075
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.2127</b>	<b>5.0838</b>	<b>13.3869</b>	<b>0.0321</b>		<b>0.0781</b>	<b>0.0781</b>		<b>0.0781</b>	<b>0.0781</b>	<b>0.0000</b>	<b>3,043.6081</b>	<b>3,043.6081</b>	<b>0.1080</b>		<b>3,046.3075</b>



CCAR Project - DECOM - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Energy Storage Removal - 2050**

**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	0.1153	6.8368	1.8888	0.0296	1.1313	0.0580	1.1892	0.3095	0.0555	0.3650		3,234.6393	3,234.6393	0.1329	0.5129	3,390.8089
Vendor	6.1100e-003	0.3496	0.0803	1.6500e-003	0.0738	2.4000e-003	0.0762	0.0212	2.2900e-003	0.0235		177.1347	177.1347	4.2100e-003	0.0264	185.0913
Worker	0.0836	0.0466	1.2423	4.7300e-003	19.1397	1.1600e-003	19.1408	2.0332	1.0700e-003	2.0343		478.3839	478.3839	3.3800e-003	8.2200e-003	480.9191
<b>Total</b>	<b>0.2050</b>	<b>7.2330</b>	<b>3.2114</b>	<b>0.0360</b>	<b>20.3448</b>	<b>0.0615</b>	<b>20.4063</b>	<b>2.3639</b>	<b>0.0588</b>	<b>2.4228</b>		<b>3,890.1579</b>	<b>3,890.1579</b>	<b>0.1405</b>	<b>0.5475</b>	<b>4,056.8193</b>

**3.5 Site Clean up and Resteration - 2050**

**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	1.1681	2.3742	16.8104	0.0348		0.0754	0.0754		0.0754	0.0754		3,294.7868	3,294.7868	0.1034		3,297.3726
<b>Total</b>	<b>1.1681</b>	<b>2.3742</b>	<b>16.8104</b>	<b>0.0348</b>		<b>0.0754</b>	<b>0.0754</b>		<b>0.0754</b>	<b>0.0754</b>		<b>3,294.7868</b>	<b>3,294.7868</b>	<b>0.1034</b>		<b>3,297.3726</b>

CCAR Project - DECOM - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Site Clean up and Resteration - 2050**

**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	0.1157	6.8636	1.8963	0.0297	1.1357	0.0582	1.1939	0.3107	0.0557	0.3664		3,247.3364	3,247.3364	0.1334	0.5149	3,404.1190
Vendor	6.1100e-003	0.3496	0.0803	1.6500e-003	0.0738	2.4000e-003	0.0762	0.0212	2.2900e-003	0.0235		177.1347	177.1347	4.2100e-003	0.0264	185.0913
Worker	0.0435	0.0243	0.6460	2.4600e-003	19.5185	6.0000e-004	19.5191	2.0118	5.6000e-004	2.0124		248.7596	248.7596	1.7600e-003	4.2800e-003	250.0779
<b>Total</b>	<b>0.1653</b>	<b>7.2374</b>	<b>2.6225</b>	<b>0.0338</b>	<b>20.7281</b>	<b>0.0612</b>	<b>20.7893</b>	<b>2.3438</b>	<b>0.0585</b>	<b>2.4023</b>		<b>3,673.2307</b>	<b>3,673.2307</b>	<b>0.1394</b>	<b>0.5456</b>	<b>3,839.2882</b>

**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	1.1681	2.3742	16.8104	0.0348		0.0754	0.0754		0.0754	0.0754	0.0000	3,294.7868	3,294.7868	0.1034		3,297.3726
<b>Total</b>	<b>1.1681</b>	<b>2.3742</b>	<b>16.8104</b>	<b>0.0348</b>		<b>0.0754</b>	<b>0.0754</b>		<b>0.0754</b>	<b>0.0754</b>	<b>0.0000</b>	<b>3,294.7868</b>	<b>3,294.7868</b>	<b>0.1034</b>		<b>3,297.3726</b>

CCAR Project - DECOM - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Site Clean up and Resteration - 2050**

**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	0.1157	6.8636	1.8963	0.0297	1.1357	0.0582	1.1939	0.3107	0.0557	0.3664		3,247.3364	3,247.3364	0.1334	0.5149	3,404.1190
Vendor	6.1100e-003	0.3496	0.0803	1.6500e-003	0.0738	2.4000e-003	0.0762	0.0212	2.2900e-003	0.0235		177.1347	177.1347	4.2100e-003	0.0264	185.0913
Worker	0.0435	0.0243	0.6460	2.4600e-003	9.9526	6.0000e-004	9.9532	1.0573	5.6000e-004	1.0578		248.7596	248.7596	1.7600e-003	4.2800e-003	250.0779
<b>Total</b>	<b>0.1653</b>	<b>7.2374</b>	<b>2.6225</b>	<b>0.0338</b>	<b>11.1622</b>	<b>0.0612</b>	<b>11.2234</b>	<b>1.3892</b>	<b>0.0585</b>	<b>1.4477</b>		<b>3,673.2307</b>	<b>3,673.2307</b>	<b>0.1394</b>	<b>0.5456</b>	<b>3,839.2882</b>

CCAR Project - DECOM - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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
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

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	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
Unrefrigerated Warehouse-No Rail	15.00	7.50	8.50	59.00	0.00	41.00	92	5	3

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.575251	0.056352	0.181743	0.116249	0.016967	0.004916	0.012153	0.008974	0.000580	0.000864	0.023283	0.000577	0.002091

CCAR Project - DECOM - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**5.0 Energy Detail**

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					
Unrefrigerated Warehouse-No Rail	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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

CCAR Project - DECOM - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**5.2 Energy by Land Use - NaturalGas**

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					
Unrefrigerated Warehouse-No Rail	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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	0.2395	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003
Unmitigated	0.2395	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003

CCAR Project - DECOM - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.0254					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2140					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.0000e-005	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003
<b>Total</b>	<b>0.2395</b>	<b>1.0000e-005</b>	<b>1.0100e-003</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.1900e-003</b>	<b>2.1900e-003</b>	<b>1.0000e-005</b>		<b>2.3300e-003</b>

CCAR Project - DECOM - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**6.2 Area by SubCategory**

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	0.0254					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2140					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.0000e-005	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003
<b>Total</b>	<b>0.2395</b>	<b>1.0000e-005</b>	<b>1.0100e-003</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.1900e-003</b>	<b>2.1900e-003</b>	<b>1.0000e-005</b>		<b>2.3300e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**



CCAR Project - DECOM - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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CCAR Project - DECOM Mitigated - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**CCAR Project - DECOM Mitigated  
Sacramento Metropolitan AQMD Air District, Winter**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	10.00	1000sqft	2,555.00	10,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	3.5	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	6			<b>Operational Year</b>	2050
<b>Utility Company</b>	Sacramento Municipal Utility District				
<b>CO2 Intensity (lb/MWhr)</b>	357.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

- Project Characteristics -
- Land Use - qa
- Construction Phase - a
- Off-road Equipment - A
- Off-road Equipment - z
- Off-road Equipment - a
- Off-road Equipment - z
- Off-road Equipment - A
- Trips and VMT - A
- On-road Fugitive Dust - H
- Vehicle Trips - No ops
- Energy Use - H



CCAR Project - DECOM Mitigated - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblConstructionPhase	NumDays	155,000.00	158.00
tblConstructionPhase	NumDays	10,000.00	64.00
tblConstructionPhase	NumDays	11,000.00	87.00
tblEnergyUse	LightingElect	1.60	0.00
tblEnergyUse	NT24E	1.36	0.00
tblEnergyUse	T24E	0.23	0.00
tblEnergyUse	T24NG	0.49	0.00
tblLandUse	LotAcreage	0.23	2,555.00
tblOffRoadEquipment	HorsePower	247.00	255.00
tblOffRoadEquipment	HorsePower	231.00	226.00
tblOffRoadEquipment	HorsePower	187.00	174.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	9.40	0.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripNumber	0.00	3,204.00
tblTripsAndVMT	HaulingTripNumber	0.00	7,952.00
tblTripsAndVMT	HaulingTripNumber	0.00	4,354.00
tblTripsAndVMT	HaulingTripNumber	0.00	3,316.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripNumber	0.00	32.00
tblTripsAndVMT	VendorTripNumber	2.00	32.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	WorkerTripLength	15.00	20.00

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblTripsAndVMT	WorkerTripLength	15.00	20.00
tblTripsAndVMT	WorkerTripLength	15.00	20.00
tblTripsAndVMT	WorkerTripLength	15.00	20.00
tblTripsAndVMT	WorkerTripNumber	15.00	50.00
tblTripsAndVMT	WorkerTripNumber	4.00	200.00
tblTripsAndVMT	WorkerTripNumber	15.00	50.00
tblTripsAndVMT	WorkerTripNumber	15.00	26.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	2,312,500.00	0.00
tblWater	OutdoorWaterUseRate	0.00	108,009,247.00

**2.0 Emissions Summary**

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CCAR Project - DECOM Mitigated - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.2395	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003
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
<b>Total</b>	<b>0.2395</b>	<b>1.0000e-005</b>	<b>1.0100e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>2.1900e-003</b>	<b>2.1900e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>2.3300e-003</b>

**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	0.2395	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003
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
<b>Total</b>	<b>0.2395</b>	<b>1.0000e-005</b>	<b>1.0100e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>2.1900e-003</b>	<b>2.1900e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>2.3300e-003</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	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	Perimeter Fence Removal	Demolition	1/1/2050	3/31/2050	5	64	
2	System Dissassembly and Removal	Building Construction	2/21/2050	9/28/2050	5	158	
3	Energy Storage Removal	Paving	5/1/2050	8/30/2050	5	87	
4	Site Clean up and Resteration	Trenching	9/30/2050	12/30/2050	5	66	

**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; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Perimeter Fence Removal	Concrete/Industrial Saws	0	0.00	81	0.73
Perimeter Fence Removal	Excavators	0	0.00	158	0.38
Perimeter Fence Removal	Off-Highway Trucks	2	8.00	150	0.38
Perimeter Fence Removal	Rough Terrain Forklifts	1	8.00	100	0.40
Perimeter Fence Removal	Rubber Tired Dozers	0	0.00	255	0.40
Perimeter Fence Removal	Skid Steer Loaders	3	8.00	65	0.37
Perimeter Fence Removal	Tractors/Loaders/Backhoes	0	0.00	97	0.37

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System Disassembly and Removal	Cranes	1	8.00	231	0.29
System Disassembly and Removal	Forklifts	0	0.00	89	0.20
System Disassembly and Removal	Generator Sets	0	0.00	84	0.74
System Disassembly and Removal	Graders	0	0.00	174	0.41
System Disassembly and Removal	Off-Highway Trucks	4	8.00	150	0.38
System Disassembly and Removal	Rough Terrain Forklifts	6	8.00	100	0.40
System Disassembly and Removal	Tractors/Loaders/Backhoes	0	0.00	97	0.37
System Disassembly and Removal	Welders	0	0.00	46	0.45
Energy Storage Removal	Cement and Mortar Mixers	0		9	0.56
Energy Storage Removal	Cranes	1	8.00	231	0.29
Energy Storage Removal	Graders	1	8.00	187	0.41
Energy Storage Removal	Pavers	0	0.00	130	0.42
Energy Storage Removal	Paving Equipment	0	0.00	132	0.36
Energy Storage Removal	Rollers	0	0.00	80	0.38
Energy Storage Removal	Rough Terrain Forklifts	4	8.00	100	0.40
Energy Storage Removal	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Site Clean up and Resteration	Cranes	0	0.00	226	0.29
Site Clean up and Resteration	Forklifts	0	0.00	89	0.20
Site Clean up and Resteration	Graders	1	8.00	187	0.41
Site Clean up and Resteration	Off-Highway Trucks	4	8.00	150	0.38
Site Clean up and Resteration	Skid Steer Loaders	1	8.00	65	0.37
Site Clean up and Resteration	Tractors/Loaders/Backhoes	0	0.00	97	0.37

**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
Perimeter Fence Removal	6	50.00	32.00	3,204.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
System Disassembly and Removal	11	200.00	32.00	7,952.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Energy Storage Removal	6	50.00	4.00	4,354.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
Site Clean up and Restoration	6	26.00	4.00	3,316.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

- Use Cleaner Engines for Construction Equipment
- Use Soil Stabilizer
- Replace Ground Cover
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads

**3.2 Perimeter Fence Removal - 2050**

**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	0.8627	3.5131	14.0188	0.0239		0.0540	0.0540		0.0540	0.0540		2,266.7205	2,266.7205	0.0766		2,268.6354
<b>Total</b>	<b>0.8627</b>	<b>3.5131</b>	<b>14.0188</b>	<b>0.0239</b>		<b>0.0540</b>	<b>0.0540</b>		<b>0.0540</b>	<b>0.0540</b>		<b>2,266.7205</b>	<b>2,266.7205</b>	<b>0.0766</b>		<b>2,268.6354</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Perimeter Fence Removal - 2050**

**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	0.1082	7.4162	1.9093	0.0297	1.1316	0.0580	1.1897	0.3096	0.0555	0.3651		3,238.6149	3,238.6149	0.1325	0.5136	3,394.9750
Vendor	0.0475	3.0313	0.6553	0.0132	0.5907	0.0192	0.6100	0.1698	0.0184	0.1882		1,418.1271	1,418.1271	0.0336	0.2111	1,481.8678
Worker	0.0879	0.0570	1.0166	4.2100e-003	37.5356	1.1600e-003	37.5368	3.8689	1.0700e-003	3.8700		425.3251	425.3251	3.6900e-003	9.4000e-003	428.2181
<b>Total</b>	<b>0.2436</b>	<b>10.5045</b>	<b>3.5811</b>	<b>0.0471</b>	<b>39.2580</b>	<b>0.0784</b>	<b>39.3364</b>	<b>4.3483</b>	<b>0.0750</b>	<b>4.4233</b>		<b>5,082.0671</b>	<b>5,082.0671</b>	<b>0.1698</b>	<b>0.7341</b>	<b>5,305.0609</b>

**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	0.3157	4.1929	14.7578	0.0239		0.0319	0.0319		0.0319	0.0319	0.0000	2,266.7205	2,266.7205	0.0766		2,268.6354
<b>Total</b>	<b>0.3157</b>	<b>4.1929</b>	<b>14.7578</b>	<b>0.0239</b>		<b>0.0319</b>	<b>0.0319</b>		<b>0.0319</b>	<b>0.0319</b>	<b>0.0000</b>	<b>2,266.7205</b>	<b>2,266.7205</b>	<b>0.0766</b>		<b>2,268.6354</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Perimeter Fence Removal - 2050**

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	0.1082	7.4162	1.9093	0.0297	1.1316	0.0580	1.1897	0.3096	0.0555	0.3651		3,238.6149	3,238.6149	0.1325	0.5136	3,394.9750
Vendor	0.0475	3.0313	0.6553	0.0132	0.5907	0.0192	0.6100	0.1698	0.0184	0.1882		1,418.1271	1,418.1271	0.0336	0.2111	1,481.8678
Worker	0.0879	0.0570	1.0166	4.2100e-003	6.6004	1.1600e-003	6.6016	0.7812	1.0700e-003	0.7822		425.3251	425.3251	3.6900e-003	9.4000e-003	428.2181
<b>Total</b>	<b>0.2436</b>	<b>10.5045</b>	<b>3.5811</b>	<b>0.0471</b>	<b>8.3228</b>	<b>0.0784</b>	<b>8.4012</b>	<b>1.2606</b>	<b>0.0750</b>	<b>1.3355</b>		<b>5,082.0671</b>	<b>5,082.0671</b>	<b>0.1698</b>	<b>0.7341</b>	<b>5,305.0609</b>

**3.3 System Dissassembly and Removal - 2050**

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	2.1468	7.9710	30.8831	0.0566		0.1354	0.1354		0.1354	0.1354		5,362.2469	5,362.2469	0.1898		5,366.9924
<b>Total</b>	<b>2.1468</b>	<b>7.9710</b>	<b>30.8831</b>	<b>0.0566</b>		<b>0.1354</b>	<b>0.1354</b>		<b>0.1354</b>	<b>0.1354</b>		<b>5,362.2469</b>	<b>5,362.2469</b>	<b>0.1898</b>		<b>5,366.9924</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 System Dissassembly and Removal - 2050**

**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	0.1088	7.4557	1.9194	0.0298	1.1377	0.0584	1.1960	0.3112	0.0558	0.3671		3,255.8625	3,255.8625	0.1332	0.5163	3,413.0554
Vendor	0.0475	3.0313	0.6553	0.0132	0.5907	0.0192	0.6100	0.1698	0.0184	0.1882		1,418.1271	1,418.1271	0.0336	0.2111	1,481.8678
Worker	0.3514	0.2279	4.0664	0.0168	150.1426	4.6400e-003	150.1472	15.4756	4.2700e-003	15.4799		1,701.3004	1,701.3004	0.0148	0.0376	1,712.8724
<b>Total</b>	<b>0.5077</b>	<b>10.7149</b>	<b>6.6411</b>	<b>0.0598</b>	<b>151.8710</b>	<b>0.0822</b>	<b>151.9532</b>	<b>15.9567</b>	<b>0.0785</b>	<b>16.0351</b>		<b>6,375.2900</b>	<b>6,375.2900</b>	<b>0.1816</b>	<b>0.7650</b>	<b>6,607.7955</b>

**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	0.5661	2.4533	33.1395	0.0566		0.0755	0.0755		0.0755	0.0755	0.0000	5,362.2468	5,362.2468	0.1898		5,366.9924
<b>Total</b>	<b>0.5661</b>	<b>2.4533</b>	<b>33.1395</b>	<b>0.0566</b>		<b>0.0755</b>	<b>0.0755</b>		<b>0.0755</b>	<b>0.0755</b>	<b>0.0000</b>	<b>5,362.2468</b>	<b>5,362.2468</b>	<b>0.1898</b>		<b>5,366.9924</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 System Dissassembly and Removal - 2050**

**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	0.1088	7.4557	1.9194	0.0298	1.1377	0.0584	1.1960	0.3112	0.0558	0.3671		3,255.8625	3,255.8625	0.1332	0.5163	3,413.0554
Vendor	0.0475	3.0313	0.6553	0.0132	0.5907	0.0192	0.6100	0.1698	0.0184	0.1882		1,418.1271	1,418.1271	0.0336	0.2111	1,481.8678
Worker	0.3514	0.2279	4.0664	0.0168	26.4016	4.6400e-003	26.4062	3.1247	4.2700e-003	3.1289		1,701.3004	1,701.3004	0.0148	0.0376	1,712.8724
<b>Total</b>	<b>0.5077</b>	<b>10.7149</b>	<b>6.6411</b>	<b>0.0598</b>	<b>28.1300</b>	<b>0.0822</b>	<b>28.2122</b>	<b>3.6057</b>	<b>0.0785</b>	<b>3.6842</b>		<b>6,375.2900</b>	<b>6,375.2900</b>	<b>0.1816</b>	<b>0.7650</b>	<b>6,607.7955</b>

**3.4 Energy Storage Removal - 2050**

**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	1.2127	5.0838	13.3869	0.0321		0.0781	0.0781		0.0781	0.0781		3,043.6081	3,043.6081	0.1080		3,046.3075
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.2127</b>	<b>5.0838</b>	<b>13.3869</b>	<b>0.0321</b>		<b>0.0781</b>	<b>0.0781</b>		<b>0.0781</b>	<b>0.0781</b>		<b>3,043.6081</b>	<b>3,043.6081</b>	<b>0.1080</b>		<b>3,046.3075</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Energy Storage Removal - 2050**

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	0.1082	7.4137	1.9086	0.0296	1.1313	0.0580	1.1893	0.3095	0.0555	0.3650		3,237.5460	3,237.5460	0.1325	0.5134	3,393.8545
Vendor	5.9400e-003	0.3789	0.0819	1.6500e-003	0.0738	2.4000e-003	0.0762	0.0212	2.3000e-003	0.0235		177.2659	177.2659	4.2000e-003	0.0264	185.2335
Worker	0.0879	0.0570	1.0166	4.2100e-003	37.5356	1.1600e-003	37.5368	3.8689	1.0700e-003	3.8700		425.3251	425.3251	3.6900e-003	9.4000e-003	428.2181
<b>Total</b>	<b>0.2020</b>	<b>7.8496</b>	<b>3.0071</b>	<b>0.0355</b>	<b>38.7408</b>	<b>0.0616</b>	<b>38.8023</b>	<b>4.1996</b>	<b>0.0589</b>	<b>4.2585</b>		<b>3,840.1370</b>	<b>3,840.1370</b>	<b>0.1404</b>	<b>0.5492</b>	<b>4,007.3061</b>

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	0.3213	1.3925	16.0153	0.0321		0.0429	0.0429		0.0429	0.0429	0.0000	3,043.6081	3,043.6081	0.1080		3,046.3075
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.3213</b>	<b>1.3925</b>	<b>16.0153</b>	<b>0.0321</b>		<b>0.0429</b>	<b>0.0429</b>		<b>0.0429</b>	<b>0.0429</b>	<b>0.0000</b>	<b>3,043.6081</b>	<b>3,043.6081</b>	<b>0.1080</b>		<b>3,046.3075</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Energy Storage Removal - 2050**

**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	0.1082	7.4137	1.9086	0.0296	1.1313	0.0580	1.1893	0.3095	0.0555	0.3650		3,237.5460	3,237.5460	0.1325	0.5134	3,393.8545
Vendor	5.9400e-003	0.3789	0.0819	1.6500e-003	0.0738	2.4000e-003	0.0762	0.0212	2.3000e-003	0.0235		177.2659	177.2659	4.2000e-003	0.0264	185.2335
Worker	0.0879	0.0570	1.0166	4.2100e-003	6.6004	1.1600e-003	6.6016	0.7812	1.0700e-003	0.7822		425.3251	425.3251	3.6900e-003	9.4000e-003	428.2181
<b>Total</b>	<b>0.2020</b>	<b>7.8496</b>	<b>3.0071</b>	<b>0.0355</b>	<b>7.8055</b>	<b>0.0616</b>	<b>7.8671</b>	<b>1.1119</b>	<b>0.0589</b>	<b>1.1708</b>		<b>3,840.1370</b>	<b>3,840.1370</b>	<b>0.1404</b>	<b>0.5492</b>	<b>4,007.3061</b>

**3.5 Site Clean up and Resteration - 2050**

**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	1.1681	2.3742	16.8104	0.0348		0.0754	0.0754		0.0754	0.0754		3,294.7868	3,294.7868	0.1034		3,297.3726
<b>Total</b>	<b>1.1681</b>	<b>2.3742</b>	<b>16.8104</b>	<b>0.0348</b>		<b>0.0754</b>	<b>0.0754</b>		<b>0.0754</b>	<b>0.0754</b>		<b>3,294.7868</b>	<b>3,294.7868</b>	<b>0.1034</b>		<b>3,297.3726</b>

CCAR Project - DECOM Mitigated - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Site Clean up and Resteration - 2050**

**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	0.1086	7.4428	1.9161	0.0298	1.1357	0.0583	1.1940	0.3107	0.0557	0.3664		3,250.254 4	3,250.254 4	0.1330	0.5154	3,407.176 5
Vendor	5.9400e-003	0.3789	0.0819	1.6500e-003	0.0738	2.4000e-003	0.0762	0.0212	2.3000e-003	0.0235		177.2659	177.2659	4.2000e-003	0.0264	185.2335
Worker	0.0457	0.0296	0.5286	2.1900e-003	19.5185	6.0000e-004	19.5191	2.0118	5.6000e-004	2.0124		221.1691	221.1691	1.9200e-003	4.8900e-003	222.6734
<b>Total</b>	<b>0.1602</b>	<b>7.8514</b>	<b>2.5267</b>	<b>0.0336</b>	<b>20.7281</b>	<b>0.0613</b>	<b>20.7893</b>	<b>2.3438</b>	<b>0.0586</b>	<b>2.4023</b>		<b>3,648.689 4</b>	<b>3,648.689 4</b>	<b>0.1391</b>	<b>0.5467</b>	<b>3,815.083 4</b>

**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	0.3733	2.5593	19.4229	0.0348		0.0464	0.0464		0.0464	0.0464	0.0000	3,294.786 8	3,294.786 8	0.1034		3,297.372 6
<b>Total</b>	<b>0.3733</b>	<b>2.5593</b>	<b>19.4229</b>	<b>0.0348</b>		<b>0.0464</b>	<b>0.0464</b>		<b>0.0464</b>	<b>0.0464</b>	<b>0.0000</b>	<b>3,294.786 8</b>	<b>3,294.786 8</b>	<b>0.1034</b>		<b>3,297.372 6</b>

CCAR Project - DECOM Mitigated - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Site Clean up and Resteration - 2050**

**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	0.1086	7.4428	1.9161	0.0298	1.1357	0.0583	1.1940	0.3107	0.0557	0.3664		3,250.254 4	3,250.254 4	0.1330	0.5154	3,407.176 5
Vendor	5.9400e-003	0.3789	0.0819	1.6500e-003	0.0738	2.4000e-003	0.0762	0.0212	2.3000e-003	0.0235		177.2659	177.2659	4.2000e-003	0.0264	185.2335
Worker	0.0457	0.0296	0.5286	2.1900e-003	3.4322	6.0000e-004	3.4328	0.4062	5.6000e-004	0.4068		221.1691	221.1691	1.9200e-003	4.8900e-003	222.6734
<b>Total</b>	<b>0.1602</b>	<b>7.8514</b>	<b>2.5267</b>	<b>0.0336</b>	<b>4.6418</b>	<b>0.0613</b>	<b>4.7030</b>	<b>0.7381</b>	<b>0.0586</b>	<b>0.7967</b>		<b>3,648.689 4</b>	<b>3,648.689 4</b>	<b>0.1391</b>	<b>0.5467</b>	<b>3,815.083 4</b>

CCAR Project - DECOM Mitigated - Sacramento Metropolitan AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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
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

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	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
Unrefrigerated Warehouse-No Rail	15.00	7.50	8.50	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.575251	0.056352	0.181743	0.116249	0.016967	0.004916	0.012153	0.008974	0.000580	0.000864	0.023283	0.000577	0.002091

CCAR Project - DECOM Mitigated - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**5.0 Energy Detail**

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					
Unrefrigerated Warehouse-No Rail	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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

CCAR Project - DECOM Mitigated - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**5.2 Energy by Land Use - NaturalGas**

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					
Unrefrigerated Warehouse-No Rail	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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	0.2395	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003
Unmitigated	0.2395	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003

CCAR Project - DECOM Mitigated - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.0254					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2140					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.0000e-005	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003
<b>Total</b>	<b>0.2395</b>	<b>1.0000e-005</b>	<b>1.0100e-003</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.1900e-003</b>	<b>2.1900e-003</b>	<b>1.0000e-005</b>		<b>2.3300e-003</b>

CCAR Project - DECOM Mitigated - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**6.2 Area by SubCategory**

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	0.0254					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2140					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.0000e-005	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003
<b>Total</b>	<b>0.2395</b>	<b>1.0000e-005</b>	<b>1.0100e-003</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.1900e-003</b>	<b>2.1900e-003</b>	<b>1.0000e-005</b>		<b>2.3300e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**



CCAR Project - DECOM Mitigated - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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CCAR Project - DECOM - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**CCAR Project - DECOM**

**Sacramento Metropolitan AQMD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	10.00	1000sqft	2,555.00	10,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	3.5	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	6			<b>Operational Year</b>	2050
<b>Utility Company</b>	Sacramento Municipal Utility District				
<b>CO2 Intensity (lb/MWhr)</b>	357.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

- Project Characteristics -
- Land Use - qa
- Construction Phase - a
- Off-road Equipment - A
- Off-road Equipment - z
- Off-road Equipment - a
- Off-road Equipment - z
- Off-road Equipment - A
- Trips and VMT - A
- On-road Fugitive Dust - H
- Vehicle Trips - No ops
- Energy Use - H

CCAR Project - DECOM - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Water And Wastewater - water use same as construction

Solid Waste - no ops

Construction Off-road Equipment Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblConstructionPhase	NumDays	155,000.00	158.00
tblConstructionPhase	NumDays	10,000.00	64.00
tblConstructionPhase	NumDays	11,000.00	87.00
tblEnergyUse	LightingElect	1.60	0.00
tblEnergyUse	NT24E	1.36	0.00
tblEnergyUse	T24E	0.23	0.00
tblEnergyUse	T24NG	0.49	0.00
tblLandUse	LotAcreage	0.23	2,555.00
tblOffRoadEquipment	HorsePower	247.00	255.00
tblOffRoadEquipment	HorsePower	231.00	226.00
tblOffRoadEquipment	HorsePower	187.00	174.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

CCAR Project - DECOM - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	9.40	0.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripLength	20.00	26.00
tblTripsAndVMT	HaulingTripNumber	0.00	3,204.00
tblTripsAndVMT	HaulingTripNumber	0.00	7,952.00
tblTripsAndVMT	HaulingTripNumber	0.00	4,354.00
tblTripsAndVMT	HaulingTripNumber	0.00	3,316.00
tblTripsAndVMT	VendorTripLength	8.50	20.00

CCAR Project - DECOM - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripLength	8.50	20.00
tblTripsAndVMT	VendorTripNumber	0.00	32.00
tblTripsAndVMT	VendorTripNumber	2.00	32.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	WorkerTripLength	15.00	20.00
tblTripsAndVMT	WorkerTripLength	15.00	20.00
tblTripsAndVMT	WorkerTripLength	15.00	20.00
tblTripsAndVMT	WorkerTripLength	15.00	20.00
tblTripsAndVMT	WorkerTripNumber	15.00	50.00
tblTripsAndVMT	WorkerTripNumber	4.00	200.00
tblTripsAndVMT	WorkerTripNumber	15.00	50.00
tblTripsAndVMT	WorkerTripNumber	15.00	26.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	2,312,500.00	0.00
tblWater	OutdoorWaterUseRate	0.00	108,009,247.00

**2.0 Emissions Summary**

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CCAR Project - DECOM - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.2395	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003
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
<b>Total</b>	<b>0.2395</b>	<b>1.0000e-005</b>	<b>1.0100e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>2.1900e-003</b>	<b>2.1900e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>2.3300e-003</b>

**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	0.2395	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003
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
<b>Total</b>	<b>0.2395</b>	<b>1.0000e-005</b>	<b>1.0100e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>2.1900e-003</b>	<b>2.1900e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>2.3300e-003</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	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	Perimeter Fence Removal	Demolition	1/1/2050	3/31/2050	5	64	
2	System Dissassembly and Removal	Building Construction	2/21/2050	9/28/2050	5	158	
3	Energy Storage Removal	Paving	5/1/2050	8/30/2050	5	87	
4	Site Clean up and Resteration	Trenching	9/30/2050	12/30/2050	5	66	

**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; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Perimeter Fence Removal	Concrete/Industrial Saws	0	0.00	81	0.73
Perimeter Fence Removal	Excavators	0	0.00	158	0.38
Perimeter Fence Removal	Off-Highway Trucks	2	8.00	150	0.38
Perimeter Fence Removal	Rough Terrain Forklifts	1	8.00	100	0.40
Perimeter Fence Removal	Rubber Tired Dozers	0	0.00	255	0.40
Perimeter Fence Removal	Skid Steer Loaders	3	8.00	65	0.37
Perimeter Fence Removal	Tractors/Loaders/Backhoes	0	0.00	97	0.37



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

System Disassembly and Removal	Cranes	1	8.00	231	0.29
System Disassembly and Removal	Forklifts	0	0.00	89	0.20
System Disassembly and Removal	Generator Sets	0	0.00	84	0.74
System Disassembly and Removal	Graders	0	0.00	174	0.41
System Disassembly and Removal	Off-Highway Trucks	4	8.00	150	0.38
System Disassembly and Removal	Rough Terrain Forklifts	6	8.00	100	0.40
System Disassembly and Removal	Tractors/Loaders/Backhoes	0	0.00	97	0.37
System Disassembly and Removal	Welders	0	0.00	46	0.45
Energy Storage Removal	Cement and Mortar Mixers	0		9	0.56
Energy Storage Removal	Cranes	1	8.00	231	0.29
Energy Storage Removal	Graders	1	8.00	187	0.41
Energy Storage Removal	Pavers	0	0.00	130	0.42
Energy Storage Removal	Paving Equipment	0	0.00	132	0.36
Energy Storage Removal	Rollers	0	0.00	80	0.38
Energy Storage Removal	Rough Terrain Forklifts	4	8.00	100	0.40
Energy Storage Removal	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Site Clean up and Resteration	Cranes	0	0.00	226	0.29
Site Clean up and Resteration	Forklifts	0	0.00	89	0.20
Site Clean up and Resteration	Graders	1	8.00	187	0.41
Site Clean up and Resteration	Off-Highway Trucks	4	8.00	150	0.38
Site Clean up and Resteration	Skid Steer Loaders	1	8.00	65	0.37
Site Clean up and Resteration	Tractors/Loaders/Backhoes	0	0.00	97	0.37

**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
Perimeter Fence Removal	6	50.00	32.00	3,204.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
System Disassembly and Removal	11	200.00	32.00	7,952.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Energy Storage Removal	6	50.00	4.00	4,354.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT
Site Clean up and Restoration	6	26.00	4.00	3,316.00	20.00	20.00	26.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

**3.2 Perimeter Fence Removal - 2050**

**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	0.8627	3.5131	14.0188	0.0239		0.0540	0.0540		0.0540	0.0540		2,266.7205	2,266.7205	0.0766		2,268.6354
<b>Total</b>	<b>0.8627</b>	<b>3.5131</b>	<b>14.0188</b>	<b>0.0239</b>		<b>0.0540</b>	<b>0.0540</b>		<b>0.0540</b>	<b>0.0540</b>		<b>2,266.7205</b>	<b>2,266.7205</b>	<b>0.0766</b>		<b>2,268.6354</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Perimeter Fence Removal - 2050**

**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	0.1082	7.4162	1.9093	0.0297	1.1316	0.0580	1.1897	0.3096	0.0555	0.3651		3,238.6149	3,238.6149	0.1325	0.5136	3,394.9750
Vendor	0.0475	3.0313	0.6553	0.0132	0.5907	0.0192	0.6100	0.1698	0.0184	0.1882		1,418.1271	1,418.1271	0.0336	0.2111	1,481.8678
Worker	0.0879	0.0570	1.0166	4.2100e-003	37.5356	1.1600e-003	37.5368	3.8689	1.0700e-003	3.8700		425.3251	425.3251	3.6900e-003	9.4000e-003	428.2181
<b>Total</b>	<b>0.2436</b>	<b>10.5045</b>	<b>3.5811</b>	<b>0.0471</b>	<b>39.2580</b>	<b>0.0784</b>	<b>39.3364</b>	<b>4.3483</b>	<b>0.0750</b>	<b>4.4233</b>		<b>5,082.0671</b>	<b>5,082.0671</b>	<b>0.1698</b>	<b>0.7341</b>	<b>5,305.0609</b>

**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	0.8627	3.5131	14.0188	0.0239		0.0540	0.0540		0.0540	0.0540	0.0000	2,266.7205	2,266.7205	0.0766		2,268.6354
<b>Total</b>	<b>0.8627</b>	<b>3.5131</b>	<b>14.0188</b>	<b>0.0239</b>		<b>0.0540</b>	<b>0.0540</b>		<b>0.0540</b>	<b>0.0540</b>	<b>0.0000</b>	<b>2,266.7205</b>	<b>2,266.7205</b>	<b>0.0766</b>		<b>2,268.6354</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Perimeter Fence Removal - 2050**

**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	0.1082	7.4162	1.9093	0.0297	1.1316	0.0580	1.1897	0.3096	0.0555	0.3651		3,238.6149	3,238.6149	0.1325	0.5136	3,394.9750
Vendor	0.0475	3.0313	0.6553	0.0132	0.5907	0.0192	0.6100	0.1698	0.0184	0.1882		1,418.1271	1,418.1271	0.0336	0.2111	1,481.8678
Worker	0.0879	0.0570	1.0166	4.2100e-003	19.1397	1.1600e-003	19.1408	2.0332	1.0700e-003	2.0343		425.3251	425.3251	3.6900e-003	9.4000e-003	428.2181
<b>Total</b>	<b>0.2436</b>	<b>10.5045</b>	<b>3.5811</b>	<b>0.0471</b>	<b>20.8620</b>	<b>0.0784</b>	<b>20.9405</b>	<b>2.5126</b>	<b>0.0750</b>	<b>2.5876</b>		<b>5,082.0671</b>	<b>5,082.0671</b>	<b>0.1698</b>	<b>0.7341</b>	<b>5,305.0609</b>

**3.3 System Dissassembly and Removal - 2050**

**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	2.1468	7.9710	30.8831	0.0566		0.1354	0.1354		0.1354	0.1354		5,362.2469	5,362.2469	0.1898		5,366.9924
<b>Total</b>	<b>2.1468</b>	<b>7.9710</b>	<b>30.8831</b>	<b>0.0566</b>		<b>0.1354</b>	<b>0.1354</b>		<b>0.1354</b>	<b>0.1354</b>		<b>5,362.2469</b>	<b>5,362.2469</b>	<b>0.1898</b>		<b>5,366.9924</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 System Dissassembly and Removal - 2050**

**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	0.1088	7.4557	1.9194	0.0298	1.1377	0.0584	1.1960	0.3112	0.0558	0.3671		3,255.8625	3,255.8625	0.1332	0.5163	3,413.0554
Vendor	0.0475	3.0313	0.6553	0.0132	0.5907	0.0192	0.6100	0.1698	0.0184	0.1882		1,418.1271	1,418.1271	0.0336	0.2111	1,481.8678
Worker	0.3514	0.2279	4.0664	0.0168	150.1426	4.6400e-003	150.1472	15.4756	4.2700e-003	15.4799		1,701.3004	1,701.3004	0.0148	0.0376	1,712.8724
<b>Total</b>	<b>0.5077</b>	<b>10.7149</b>	<b>6.6411</b>	<b>0.0598</b>	<b>151.8710</b>	<b>0.0822</b>	<b>151.9532</b>	<b>15.9567</b>	<b>0.0785</b>	<b>16.0351</b>		<b>6,375.2900</b>	<b>6,375.2900</b>	<b>0.1816</b>	<b>0.7650</b>	<b>6,607.7955</b>

**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	2.1468	7.9710	30.8831	0.0566		0.1354	0.1354		0.1354	0.1354	0.0000	5,362.2468	5,362.2468	0.1898		5,366.9924
<b>Total</b>	<b>2.1468</b>	<b>7.9710</b>	<b>30.8831</b>	<b>0.0566</b>		<b>0.1354</b>	<b>0.1354</b>		<b>0.1354</b>	<b>0.1354</b>	<b>0.0000</b>	<b>5,362.2468</b>	<b>5,362.2468</b>	<b>0.1898</b>		<b>5,366.9924</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 System Dissassembly and Removal - 2050**

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	0.1088	7.4557	1.9194	0.0298	1.1377	0.0584	1.1960	0.3112	0.0558	0.3671		3,255.8625	3,255.8625	0.1332	0.5163	3,413.0554
Vendor	0.0475	3.0313	0.6553	0.0132	0.5907	0.0192	0.6100	0.1698	0.0184	0.1882		1,418.1271	1,418.1271	0.0336	0.2111	1,481.8678
Worker	0.3514	0.2279	4.0664	0.0168	76.5586	4.6400e-003	76.5633	8.1329	4.2700e-003	8.1371		1,701.3004	1,701.3004	0.0148	0.0376	1,712.8724
<b>Total</b>	<b>0.5077</b>	<b>10.7149</b>	<b>6.6411</b>	<b>0.0598</b>	<b>78.2871</b>	<b>0.0822</b>	<b>78.3693</b>	<b>8.6139</b>	<b>0.0785</b>	<b>8.6924</b>		<b>6,375.2900</b>	<b>6,375.2900</b>	<b>0.1816</b>	<b>0.7650</b>	<b>6,607.7955</b>

**3.4 Energy Storage Removal - 2050**

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	1.2127	5.0838	13.3869	0.0321		0.0781	0.0781		0.0781	0.0781		3,043.6081	3,043.6081	0.1080		3,046.3075
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.2127</b>	<b>5.0838</b>	<b>13.3869</b>	<b>0.0321</b>		<b>0.0781</b>	<b>0.0781</b>		<b>0.0781</b>	<b>0.0781</b>		<b>3,043.6081</b>	<b>3,043.6081</b>	<b>0.1080</b>		<b>3,046.3075</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Energy Storage Removal - 2050**

**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	0.1082	7.4137	1.9086	0.0296	1.1313	0.0580	1.1893	0.3095	0.0555	0.3650		3,237.5460	3,237.5460	0.1325	0.5134	3,393.8545
Vendor	5.9400e-003	0.3789	0.0819	1.6500e-003	0.0738	2.4000e-003	0.0762	0.0212	2.3000e-003	0.0235		177.2659	177.2659	4.2000e-003	0.0264	185.2335
Worker	0.0879	0.0570	1.0166	4.2100e-003	37.5356	1.1600e-003	37.5368	3.8689	1.0700e-003	3.8700		425.3251	425.3251	3.6900e-003	9.4000e-003	428.2181
<b>Total</b>	<b>0.2020</b>	<b>7.8496</b>	<b>3.0071</b>	<b>0.0355</b>	<b>38.7408</b>	<b>0.0616</b>	<b>38.8023</b>	<b>4.1996</b>	<b>0.0589</b>	<b>4.2585</b>		<b>3,840.1370</b>	<b>3,840.1370</b>	<b>0.1404</b>	<b>0.5492</b>	<b>4,007.3061</b>

**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	1.2127	5.0838	13.3869	0.0321		0.0781	0.0781		0.0781	0.0781	0.0000	3,043.6081	3,043.6081	0.1080		3,046.3075
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.2127</b>	<b>5.0838</b>	<b>13.3869</b>	<b>0.0321</b>		<b>0.0781</b>	<b>0.0781</b>		<b>0.0781</b>	<b>0.0781</b>	<b>0.0000</b>	<b>3,043.6081</b>	<b>3,043.6081</b>	<b>0.1080</b>		<b>3,046.3075</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Energy Storage Removal - 2050**

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	0.1082	7.4137	1.9086	0.0296	1.1313	0.0580	1.1893	0.3095	0.0555	0.3650		3,237.5460	3,237.5460	0.1325	0.5134	3,393.8545
Vendor	5.9400e-003	0.3789	0.0819	1.6500e-003	0.0738	2.4000e-003	0.0762	0.0212	2.3000e-003	0.0235		177.2659	177.2659	4.2000e-003	0.0264	185.2335
Worker	0.0879	0.0570	1.0166	4.2100e-003	19.1397	1.1600e-003	19.1408	2.0332	1.0700e-003	2.0343		425.3251	425.3251	3.6900e-003	9.4000e-003	428.2181
<b>Total</b>	<b>0.2020</b>	<b>7.8496</b>	<b>3.0071</b>	<b>0.0355</b>	<b>20.3448</b>	<b>0.0616</b>	<b>20.4064</b>	<b>2.3639</b>	<b>0.0589</b>	<b>2.4228</b>		<b>3,840.1370</b>	<b>3,840.1370</b>	<b>0.1404</b>	<b>0.5492</b>	<b>4,007.3061</b>

**3.5 Site Clean up and Resteration - 2050**

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	1.1681	2.3742	16.8104	0.0348		0.0754	0.0754		0.0754	0.0754		3,294.7868	3,294.7868	0.1034		3,297.3726
<b>Total</b>	<b>1.1681</b>	<b>2.3742</b>	<b>16.8104</b>	<b>0.0348</b>		<b>0.0754</b>	<b>0.0754</b>		<b>0.0754</b>	<b>0.0754</b>		<b>3,294.7868</b>	<b>3,294.7868</b>	<b>0.1034</b>		<b>3,297.3726</b>



CCAR Project - DECOM - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Site Clean up and Resteration - 2050**

**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	0.1086	7.4428	1.9161	0.0298	1.1357	0.0583	1.1940	0.3107	0.0557	0.3664		3,250.254 4	3,250.254 4	0.1330	0.5154	3,407.176 5
Vendor	5.9400e-003	0.3789	0.0819	1.6500e-003	0.0738	2.4000e-003	0.0762	0.0212	2.3000e-003	0.0235		177.2659	177.2659	4.2000e-003	0.0264	185.2335
Worker	0.0457	0.0296	0.5286	2.1900e-003	19.5185	6.0000e-004	19.5191	2.0118	5.6000e-004	2.0124		221.1691	221.1691	1.9200e-003	4.8900e-003	222.6734
<b>Total</b>	<b>0.1602</b>	<b>7.8514</b>	<b>2.5267</b>	<b>0.0336</b>	<b>20.7281</b>	<b>0.0613</b>	<b>20.7893</b>	<b>2.3438</b>	<b>0.0586</b>	<b>2.4023</b>		<b>3,648.689 4</b>	<b>3,648.689 4</b>	<b>0.1391</b>	<b>0.5467</b>	<b>3,815.083 4</b>

**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	1.1681	2.3742	16.8104	0.0348		0.0754	0.0754		0.0754	0.0754	0.0000	3,294.786 8	3,294.786 8	0.1034		3,297.372 6
<b>Total</b>	<b>1.1681</b>	<b>2.3742</b>	<b>16.8104</b>	<b>0.0348</b>		<b>0.0754</b>	<b>0.0754</b>		<b>0.0754</b>	<b>0.0754</b>	<b>0.0000</b>	<b>3,294.786 8</b>	<b>3,294.786 8</b>	<b>0.1034</b>		<b>3,297.372 6</b>

CCAR Project - DECOM - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Site Clean up and Resteration - 2050**

**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	0.1086	7.4428	1.9161	0.0298	1.1357	0.0583	1.1940	0.3107	0.0557	0.3664		3,250.254 4	3,250.254 4	0.1330	0.5154	3,407.176 5
Vendor	5.9400e-003	0.3789	0.0819	1.6500e-003	0.0738	2.4000e-003	0.0762	0.0212	2.3000e-003	0.0235		177.2659	177.2659	4.2000e-003	0.0264	185.2335
Worker	0.0457	0.0296	0.5286	2.1900e-003	9.9526	6.0000e-004	9.9532	1.0573	5.6000e-004	1.0578		221.1691	221.1691	1.9200e-003	4.8900e-003	222.6734
<b>Total</b>	<b>0.1602</b>	<b>7.8514</b>	<b>2.5267</b>	<b>0.0336</b>	<b>11.1622</b>	<b>0.0613</b>	<b>11.2234</b>	<b>1.3892</b>	<b>0.0586</b>	<b>1.4478</b>		<b>3,648.689 4</b>	<b>3,648.689 4</b>	<b>0.1391</b>	<b>0.5467</b>	<b>3,815.083 4</b>

CCAR Project - DECOM - Sacramento Metropolitan AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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
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

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	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
Unrefrigerated Warehouse-No Rail	15.00	7.50	8.50	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.575251	0.056352	0.181743	0.116249	0.016967	0.004916	0.012153	0.008974	0.000580	0.000864	0.023283	0.000577	0.002091

CCAR Project - DECOM - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**5.0 Energy Detail**

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					
Unrefrigerated Warehouse-No Rail	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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

CCAR Project - DECOM - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**5.2 Energy by Land Use - NaturalGas**

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					
Unrefrigerated Warehouse-No Rail	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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	0.2395	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003
Unmitigated	0.2395	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003

CCAR Project - DECOM - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.0254					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2140					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.0000e-005	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003
<b>Total</b>	<b>0.2395</b>	<b>1.0000e-005</b>	<b>1.0100e-003</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.1900e-003</b>	<b>2.1900e-003</b>	<b>1.0000e-005</b>		<b>2.3300e-003</b>

CCAR Project - DECOM - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**6.2 Area by SubCategory**

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	0.0254					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2140					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.0000e-005	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003
<b>Total</b>	<b>0.2395</b>	<b>1.0000e-005</b>	<b>1.0100e-003</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.1900e-003</b>	<b>2.1900e-003</b>	<b>1.0000e-005</b>		<b>2.3300e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

CCAR Project - DECOM - Sacramento Metropolitan AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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Unpaved Road ATV Emissions

Year	Vehicle Type	Miles Per Day	Miles Per Year	Emission Factors (pounds per mile)		Emissions (pounds per day)		Emissions (tons per year)	
				PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
2024	ATV	1,200	147,840	0.10	0.01	118.60	11.86	7.31	0.73
2025	ATV	1,200	63,360	0.10	0.01	118.60	11.86	3.13	0.31
2050	ATV	1,200	189,600	0.10	0.01	118.60	11.86	9.37	0.94

**Unpaved Road Calculations (EPA AP-42 13.2.2, equation 1a)**

$$E = k (s/12)^a (W/3)^b$$

$$1 \text{ lb/VMT} = 281.9 \text{ g/VKT}$$

E=		size specific emission factor (lb/VMT)
s=	8.5	surface material silt content (%) (AP-42 mean value for construction sites, Table 13.2.2-1)
W ATV =	0.75	mean vehicle weight (tons) (based on side by side ATV)
M=	12	surface material moisture content (%) (The moisture contents of different materials are listed in AP-42 Table 13.2.4-1. CalEEMod uses the moisture content of cover(12%) as default.
S=	15	mean vehicle speed (mph)
K (PM10)=	1.5	lb/vmt, AP-42 Table 13.2.2-2
K (PM2.5)=	0.15	lb/vmt, AP-42 Table 13.2.2-2
a =	0.9	constant from AP-42 Table 13.2.2-2
b =	0.45	constant from AP-42 Table 13.2.2-2

	lb/vmt		g/vmt	
	<b>PM<sub>10</sub></b>	<b>PM<sub>2.5</sub></b>	<b>PM<sub>10</sub></b>	<b>PM<sub>2.5</sub></b>
ATV	0.589356632	0.058935663	267.327689	26.7327689

	lb/vmt		g/vmt	
	<b>PM<sub>10</sub></b>	<b>PM<sub>2.5</sub></b>	<b>PM<sub>10</sub></b>	<b>PM<sub>2.5</sub></b>
controlled ATV	0.098835107	0.009883511	44.83085344	4.483085344

**Notes:** Watering 3 times daily and 15 mph speed limit in accordance with SMAQMD BACT.  
 15 mph speed limit results in a 57% reduction, WRAP Fugitive Dust Handbook, 2006.  
 3 times daily watering results in 61% reduction, WRAP Fugitive Dust Handbook, 2006.

**Coyote Creek Agrivoltaic Ranch Project**  
**Blasting Criteria Air Pollutant and Greenhouse Gas Emissions**

**Anticipated blasting activities is assumed to include the following:**

Assumptions:

- 12,000 cubic yard/blast
- 1 blast/day
- 8.00 ton explosives/per 2,000 CY blast (maximum blast)
- 12.00 feet average depth

Project Phase Estimates:

- 320,000 total cubic yard/phase
- 35.0 total blasts
- 280.00 total ton explosives/phase
- 8.00 maximum ton explosives/day
- 26,667 total square feet blasted/phase
- 3,000 maximum square feet blasted/day

**Emissions Calculations:**

Pollutant	Source	Emission Factor	Units	Maximum Daily (lbs/day)	Annual (lbs/year)	Annual (ton/year)
ROG	1	N/A	lb/ton	—	—	—
NOx	1	17	lb/ton	136.00	4,760.00	2.38
CO	1	67	lb/ton	536.00	18,760.00	9.38
SOx	1	2	lb/ton	16.00	560.00	0.28
PM <sub>10</sub>	2	—	lb/blast	1.20	31.70	0.02
PM <sub>2.5</sub>	2	—	lb/blast	0.07	1.83	0.00

Source/Reference:

1. AP-42, Section 13.3, Table 13.3-1 for ANFO.
2. AP-42, Section 11.9, Table 11.9-1.  
 $PM_{10} = 0.52 \times 0.000014 \times (A)^{1.5}$ , where A is the horizontal area blasted.  
 $PM_{2.5} = 0.03 \times 0.000014 \times (A)^{1.5}$ , where A is the horizontal area blasted.

Notes:

lb = pounds

**GHG Emissions Calculation Comparison:**

Pollutant	Source	Emission Factor	Units	Maximum Daily (lbs/day)	Annual (lbs/year)	Annual (MT/year)
CO <sub>2</sub>	1	10.35	kg/gallon	--	--	46.93
CO <sub>2</sub>	2	0.1670	MT/MT	--	--	42.43

Source/Reference:

1. The Climate Registry. 2018 Emission Factors. Table 12.1 U.S. Default Factors for Calculating CO2 Emissions from Combustion of Fossil Fuel and Biomass.
2. Australian Government - Department of Heritage Australian Greenhouse Office. *AGO Factors and Methods Workbook*. December 2006

Conversion Values:

- 7.41 lbs/gallon fuel oil
- 6.00% composition of fuel oil #2 in ANFO
- 10.35 kg CO<sub>2</sub>/gallon fuel oil #2
- 2000 lbs/ton
- 1000 kg/MT
- 1.102 tons/MT

Notes:

MT = metric tons  
kg = kilograms  
lb = pounds

Model Output: OFFROAD2021 (v1.0.4) Emissions Inventory

Region Type: County

Region: Sacramento

Calendar Year: 2024, 2050

Scenario: All Adopted Rules - Exhaust

Vehicle Classification: OFFROAD2021 Equipment Types

Units: tons/day for Emissions, gallons/year for Fuel, hours/year for Activity, Horsepower-hours/year for Horsepower-hours

Region	Calendar Y	Vehicle Category	Model Yea	Horsepowr	Fuel	HC_tpd	ROG_tpd	NOx_tpd	CO_tpd	SOx_tpd	PM10_tpd	PM2.5_tpd	CO2_tpd	TOG_tpd	NH3_tpd	Fuel Consu	Total_Activity_hpy	Total_Population	Horsepower_Hours_hhpy
Sacramento	2024	Agricultural - ATVs	Aggregate	Aggregate	Gasoline	0.010539	0.012752	0.006099	0.146334	1.18E-05	0.000452	0.000416	1.334199	0.015176	1.09E-05	43240.03	8032.987139	140.2163898	1384753.134
Sacramento	2024	Agricultural - ATVs	Aggregate	Aggregate	Diesel	0.000693	0.000838	0.00419	0.004923	6.14E-06	0.000189	0.000174	0.673076	0.000998	5.51E-06	21892.97	17138.91306	45.15879034	943451.8988
Sacramento	2024	Agricultural - ATVs	Aggregate	Aggregate	Electric	0	0	0	0	0	0	0	0	0	0	0	505.0067558	10.46318744	61412.51391
						tpd	0.01	0.01	0.15	0.00	0.00	0.00	2.01			hpy	25171.90019	185.3751802	
						lb/day	27.18	20.58	302.52	0.04	1.28	1.18	4014.55			hpd	68.96411012		
						lb/hr	73.06	55.31	813.16	0.10	3.45	3.17	10791.09			hpdpv	0.372024508		
<b>Hours assumptions</b>						lb/hr/vehicle	0.39	0.30	4.39	0.00	0.02	0.02	58.21						
176 days of use																			
26 ATVs						lb/day	81.98	62.06	912.40	0.11	3.87	3.56	12108.13						
8 hours a day						tpy	7.21	5.46	80.29	0.01	0.34	0.31	1065.52						
<b>Total Hours</b>	<b>36608</b>										MT		966.62						
Sacramento	2050	Agricultural - ATVs	Aggregate	Aggregate	Gasoline	0.006255	0.007568	0.004154	0.10673	1.04E-05	0.000359	0.000331	1.160471	0.009007	9.46E-06	37609.69	7942.619449	116.4050775	1204442.648
Sacramento	2050	Agricultural - ATVs	Aggregate	Aggregate	Diesel	0.000276	0.000334	0.003065	0.003978	5.55E-06	5.54E-05	5.09E-05	0.60745	0.000398	4.97E-06	19758.37	18478.64333	40.83974649	850971.7353
Sacramento	2050	Agricultural - ATVs	Aggregate	Aggregate	Electric	0	0	0	0	0	0	0	0	0	0	0	499.0104795	8.923819364	52426.07718
<b>Hours assumptions</b>						tpd	0.01	0.01	0.11	0.00	0.00	0.00	1.77			hpy	26421.26278	157.244824	
158 days of use						lb/day	15.81	14.44	221.42	0.03	0.83	0.76	3535.84			hpd	72.38702131		
10 ATVs						lb/hr	34.33	31.36	480.98	0.07	1.80	1.66	7680.84			hpdpv	0.460345972		
8 hours a day						lb/hr/vehicle	0.22	0.20	3.06	0.00	0.01	0.01	48.85						
<b>Total Hours</b>	<b>12560</b>					lb/day	17.47	15.96	244.70	0.04	0.92	0.84	3907.71						
						tpy	1.38	1.26	19.33	0.00	0.07	0.07	308.71						
											MT		280.06						

**Sac Metro Mitigation Fee Calculation**

<b>Pollutant.</b>	<b>Total daily Emissions</b>	<b>Pounds Exceeded</b>	<b>Days over the Threshold</b>	<b>Total Pounds Exceeded</b>	<b>Total Tons Exceeded</b>	<b>Mitigation Fee Amount</b>
PM10 2024	229.29	149.29	220	32,843.80	16.42	\$492,657.00
NOx 2024	246.44	161.44	220	35,516.80	17.76	\$532,752.00
PM10 2025	225.39	145.39	176	25,588.64	12.79	\$383,829.60
NOx 2025	104.38	19.38	176	3,410.88	1.71	\$51,163.20
PM10 2060	156.24	76.24	260	19,822.40	9.91	\$297,336.00
Mitigation Fee Total						\$1,460,401.80
Admin fee						\$73,020.09
<b>Combined Total</b>						<b>\$1,533,421.89</b>

**Notes**

The fee amount is \$30,000 dollar per ton

The Admin Fee is 5% of the total mitigation fee.

This data was produced from the i-Tree Planting Calculator version 2.6.0 for Sacramento (County Subdivision), CA.  
 Location: Sacramento (County Subdivision), CA  
 Electricity Emissions Factor: 252.4  
 Fuel Emissions Factor: 52  
 Lifetime: 30  
 Project Lifetime Tree Mortality: 70  
 Run Date: 12-19-2023

Group Identifier	Tree Group Characteristics	Species	DBH (inches)	Distance to Building (feet)	Direction	Building Vintage	TreeCondition	CrownLightExposure	CO2 Avoided (pounds)	CO2 Avoided (\$)	CO2 Sequestered (pounds)	CO2 Sequestered (\$)	Electricity Saved (kWh)	Electricity Saved (\$)	Fuel Saved (MMBtu)	Fuel Saved (\$)	Tree Biomass (short ton)	Rainfall Interception (gallons)	Avoided Runoff (gallons)	Avoided Runoff (\$)	O3 Removed (pounds)	NO2 Avoided (pounds)	NO2 Removed (pounds)	SO2 Avoided (pounds)	SO2 Removed (pounds)	VOC Avoided (pounds)	PM2.5 Avoided (pounds)	PM2.5 Removed (pounds)	Avoided Value (\$)	Removal Value (\$)
1	(4394.0) Oak spp(Quercus) at Oak spp)	at Oak spp)	17.8	0-19	north (0°)	post-1980	excellent	full sun	11,203,307.70	\$260,554.41	38,532,823.90	\$896,154.72	14,950,167.10	\$3,060,299.22	18,096.80	\$234,165.78	7,260.20	33,777,160.10	7,329,493.30	\$65,496.37	149,868.52	805.99	14,994.71	2,836.32	9,781.11	7,586.04	4,861.25	2,472.66	\$18,707.62	\$853,840.76
2	(1762.0) Oak spp(Quercus) at Oak spp)	at Oak spp)	27.7000000000	0-19	north (0°)	post-1980	excellent	full sun	4,492,541.70	\$104,482.67	19,514,897.40	\$453,856.37	5,995,037.40	\$1,227,184.16	7,256.80	\$93,900.80	4,377.00	18,076,397.80	3,922,497.80	\$35,051.45	78,131.90	323.2	7,808.26	1,137.37	5,108.73	3,042.01	1,949.37	1,258.78	\$7,501.78	\$437,946.92
3	(173.0) Blue oak(Quercus doug Blue oak)	Blue oak)	20	0-19	north (0°)	post-1980	excellent	full sun	441,095.20	\$10,238.51	1,365,432.40	\$31,755.75	588,616.00	\$120,489.71	712.5	\$9,219.54	276.2	1,495,952.10	324,614.90	\$2,900.76	6,354.84	31.73	634.53	111.67	416.1	298.68	191.4	100.21	\$786.55	\$35,115.19
Total									16,136,944.60	\$375,295.60	59,413,153.80	\$1,381,766.84	21,533,820.60	\$4,407,973.08	26,066.10	\$337,286.12	11,913.50	53,349,510.00	11,576,606.10	\$103,448.57	234,355.26	1,160.92	23,437.49	4,085.35	15,305.94	10,926.72	7,002.01	3,831.75	\$26,945.96	\$1,326,902.88

This data was produced from the i-Tree Planting Calculator version 2.6.0 for Sacramento (County Subdivision), CA.  
 Location: Sacramento (County Subdivision), CA  
 Electricity Emissions Factor: 252.4  
 Fuel Emissions Factor: 52  
 Lifetime: 30  
 Project Lifetime Tree Mortality: 70  
 Run Date: 12-19-2023

Group Identifier	Tree Group Characteristics	Species	DBH (inches)	Distance to Building (feet)	Direction	Building Vintage	TreeCondition	CrownLightExposure	CO2 Avoided (pounds)	CO2 Avoided (\$)	CO2 Sequestered (pounds)	CO2 Sequestered (\$)	Electricity Saved (kWh)	Electricity Saved (\$)	Fuel Saved (MMBtu)	Fuel Saved (\$)	Tree Biomass (short ton)	Rainfall Interception (gallons)	Avoided Runoff (gallons)	Avoided Runoff (\$)	O3 Removed (pounds)	NO2 Avoided (pounds)	NO2 Removed (pounds)	SO2 Avoided (pounds)	SO2 Removed (pounds)	VOC Avoided (pounds)	PM2.5 Avoided (pounds)	PM2.5 Removed (pounds)	Avoided Value (\$)	Removal Value (\$)
1	IS060.0 Interior live oak(Quer Interior II	Interior II	24.6	0-19	north (0A)	post-1980	excellent	full sun	17,757,165.40	\$412,976.94	65,102,629.80	\$1,514,086.51	19,630,738.90	\$4,018,412.25	50,335.50	\$651,323.86	14,443.30	53,611,690.50	11,633,498.10	\$103,956.96	227,698.18	1,277.29	24,958.11	4,494.92	15,550.57	10,104.55	6,415.61	3,916.03	\$25,270.17	\$1,323,915.69
Total									17,757,165.40	\$412,976.94	65,102,629.80	\$1,514,086.51	19,630,738.90	\$4,018,412.25	50,335.50	\$651,323.86	14,443.30	53,611,690.50	11,633,498.10	\$103,956.96	227,698.18	1,277.29	24,958.11	4,494.92	15,550.57	10,104.55	6,415.61	3,916.03	\$25,270.17	\$1,323,915.69

Year	SMUD GHG Emission Factor	Avoided GHG Emissions
	lb CO <sub>2</sub> e/MWh	MTCO <sub>2</sub> e
2021	358.92	-
2022	343.92	-
2023	327.92	-
2024	312.92	-
2025	295.92	69,798.39
2026	279.92	66,024.49
2027	267.92	63,194.07
2028	253.92	59,891.92
2029	238.92	56,353.89
2030	223.92	52,815.87
2031	208.92	49,277.84
2032	193.92	45,739.82
2033	178.92	42,201.79
2034	163.92	38,663.77
2035	149.92	35,361.61
2036	134.92	31,823.59
2037	119.92	28,285.56
2038	104.92	24,747.54
2039	89.92	21,209.51
2040	74.92	17,671.49
2041	59.92	14,133.47
2042	45.92	10,831.31
2043	30.92	7,293.28
2044	15.92	3,755.26
2045	0.00	0.00

**Total                    739,074.49**



lb SF6	% leak rate	lb SF6/year	SF6 GWP	lb/MT	CO2e/year
272	1	2.72	23900	2204.62	29.49

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# **Attachment B**

## Health Risk Assessment Outputs

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CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**CCAR Solar - BACT SMAQMD  
Sacramento Metropolitan AQMD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	10.00	1000sqft	2,555.00	10,000.00	0
User Defined Industrial	1.00	User Defined Unit	0.00	1.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	3.5	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	6			<b>Operational Year</b>	2025
<b>Utility Company</b>	Sacramento Municipal Utility District				
<b>CO2 Intensity (lb/MWhr)</b>	357.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - Operational year 2025.

Land Use - 2,555 acers based on total development area.

Construction Phase - Construction phasing information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant. Off-Highway Trucks include 3 water trucks and 3 dump trucks.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

CCAR Solar - BACT SMAQMD - Sacramento Metropolitan AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Trips and VMT - Construction trip information is based on data provided by the project applicant.

On-road Fugitive Dust - Assumed 0.5 miles of travel on unpaved roads for worker vehicles.

Grading - 250,000 cubic yards of export

Vehicle Trips - Trip rates were modified to be consistent with the anticipated operation and maintenance activity of 10 trips per day.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating -

Energy Use - Modified energy demand factors to account for an energy demand of 1,236 MW annually. The energy demand was provided by the project applicant.

Water And Wastewater - Outdoor water use is consistent with the Project Description of 2.2 acre-feet for operation. The 253 acre feet of water during construction is estimated in the user defined land use.

Solid Waste - CalEEMod defaults.

Construction Off-road Equipment Mitigation - Included watering 3x daily, unpaved road stabilization and vehicle speed reduction as Enhanced Fugitive PM dust control practices as recommended by the SMAQMD

Fleet Mix - CalEEMod defaults.

Stationary Sources - Emergency Generators and Fire Pumps - Two, 2,000 horse power Diesel emergency generators

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	6,000.00	220.00
tblConstructionPhase	NumDays	6,000.00	65.00
tblConstructionPhase	NumDays	6,000.00	68.00
tblConstructionPhase	NumDays	155,000.00	230.00
tblConstructionPhase	NumDays	155,000.00	200.00
tblEnergyUse	LightingElect	1.60	0.00
tblEnergyUse	NT24E	1.36	123.60
tblEnergyUse	T24E	0.23	0.00
tblEnergyUse	T24NG	0.49	0.00
tblGrading	MaterialExported	0.00	250,000.00

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblLandUse	LandUseSquareFeet	0.00	1.00
tblLandUse	LotAcreage	0.23	2,555.00
tblOffRoadEquipment	HorsePower	85.00	950.00
tblOffRoadEquipment	HorsePower	158.00	172.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	300.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	200.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	168.00	350.00
tblOffRoadEquipment	HorsePower	168.00	160.00
tblOffRoadEquipment	HorsePower	168.00	790.00
tblOffRoadEquipment	HorsePower	168.00	755.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripNumber	31,250.00	5,302.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,292.00





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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblTripsAndVMT	WorkerTripLength	15.00	20.00
tblTripsAndVMT	WorkerTripNumber	33.00	0.00
tblTripsAndVMT	WorkerTripNumber	8.00	0.00
tblTripsAndVMT	WorkerTripNumber	30.00	0.00
tblTripsAndVMT	WorkerTripNumber	4.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblTripsAndVMT	WorkerTripNumber	4.00	0.00
tblTripsAndVMT	WorkerTripNumber	5.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblVehicleTrips	CC_TL	7.50	5.00
tblVehicleTrips	CC_TL	7.50	5.00
tblVehicleTrips	CNW_TL	8.50	6.50
tblVehicleTrips	CNW_TL	8.50	6.50
tblVehicleTrips	CW_TL	15.00	10.00
tblVehicleTrips	CW_TL	15.00	10.00
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	1.74	2.00
tblVehicleTrips	SU_TR	1.74	2.00
tblVehicleTrips	WD_TR	1.74	2.00
tblVehicleTrips	WD_TR	0.00	32.00
tblWater	IndoorWaterUseRate	2,312,500.00	0.00
tblWater	OutdoorWaterUseRate	0.00	716,873.00
tblWater	OutdoorWaterUseRate	0.00	82,440,413.00

**2.0 Emissions Summary**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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					
2024	1.0327	9.2005	10.2188	0.0239	0.9765	0.3624	1.3389	0.3970	0.3343	0.7313	0.0000	2,097.3619	2,097.3619	0.6522	5.0000e-003	2,115.1548
2025	0.4812	4.4126	7.3296	0.0119	0.3251	0.1776	0.5026	0.0392	0.1649	0.2040	0.0000	1,045.1761	1,045.1761	0.3013	2.7500e-003	1,053.5269
<b>Maximum</b>	<b>1.0327</b>	<b>9.2005</b>	<b>10.2188</b>	<b>0.0239</b>	<b>0.9765</b>	<b>0.3624</b>	<b>1.3389</b>	<b>0.3970</b>	<b>0.3343</b>	<b>0.7313</b>	<b>0.0000</b>	<b>2,097.3619</b>	<b>2,097.3619</b>	<b>0.6522</b>	<b>5.0000e-003</b>	<b>2,115.1548</b>

**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					
2024	1.0327	9.2005	10.2188	0.0239	0.3824	0.3624	0.7448	0.1553	0.3343	0.4896	0.0000	2,097.3594	2,097.3594	0.6522	5.0000e-003	2,115.1523
2025	0.4812	4.4126	7.3296	0.0119	0.1277	0.1776	0.3053	0.0156	0.1649	0.1804	0.0000	1,045.1748	1,045.1748	0.3013	2.7500e-003	1,053.5257
<b>Maximum</b>	<b>1.0327</b>	<b>9.2005</b>	<b>10.2188</b>	<b>0.0239</b>	<b>0.3824</b>	<b>0.3624</b>	<b>0.7448</b>	<b>0.1553</b>	<b>0.3343</b>	<b>0.4896</b>	<b>0.0000</b>	<b>2,097.3594</b>	<b>2,097.3594</b>	<b>0.6522</b>	<b>5.0000e-003</b>	<b>2,115.1523</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	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	60.81	0.00	42.98	60.83	0.00	28.37	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2024	3-31-2024	0.8311	0.8311
2	4-1-2024	6-30-2024	2.2331	2.2331
3	7-1-2024	9-30-2024	2.4760	2.4760
4	10-1-2024	12-31-2024	4.7164	4.7164
5	1-1-2025	3-31-2025	2.3599	2.3599
6	4-1-2025	6-30-2025	2.2585	2.2585
7	7-1-2025	9-30-2025	0.2532	0.2532
		Highest	4.7164	4.7164

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.0437	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.7000e-004	2.7000e-004	0.0000	0.0000	2.9000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	200.6980	200.6980	0.0185	2.2400e-003	201.8288
Mobile	0.0228	0.0318	0.2271	5.0000e-004	0.0539	3.9000e-004	0.0543	0.0144	3.6000e-004	0.0148	0.0000	46.5080	46.5080	2.9600e-003	2.2100e-003	47.2404
Stationary	0.1641	0.7339	0.4184	7.9000e-004		0.0241	0.0241		0.0241	0.0241	0.0000	76.1594	76.1594	0.0107	0.0000	76.4264
Waste						0.0000	0.0000		0.0000	0.0000	1.9081	0.0000	1.9081	0.1128	0.0000	4.7273
Water						0.0000	0.0000		0.0000	0.0000	0.0000	47.2599	47.2599	4.3600e-003	5.3000e-004	47.5262
<b>Total</b>	<b>0.2306</b>	<b>0.7657</b>	<b>0.6457</b>	<b>1.2900e-003</b>	<b>0.0539</b>	<b>0.0245</b>	<b>0.0785</b>	<b>0.0144</b>	<b>0.0245</b>	<b>0.0389</b>	<b>1.9081</b>	<b>370.6255</b>	<b>372.5337</b>	<b>0.1493</b>	<b>4.9800e-003</b>	<b>377.7493</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**2.2 Overall Operational**

**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	0.0437	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.7000e-004	2.7000e-004	0.0000	0.0000	2.9000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	200.6980	200.6980	0.0185	2.2400e-003	201.8288
Mobile	0.0228	0.0318	0.2271	5.0000e-004	0.0539	3.9000e-004	0.0543	0.0144	3.6000e-004	0.0148	0.0000	46.5080	46.5080	2.9600e-003	2.2100e-003	47.2404
Stationary	0.1641	0.7339	0.4184	7.9000e-004		0.0241	0.0241		0.0241	0.0241	0.0000	76.1594	76.1594	0.0107	0.0000	76.4264
Waste						0.0000	0.0000		0.0000	0.0000	1.9081	0.0000	1.9081	0.1128	0.0000	4.7273
Water						0.0000	0.0000		0.0000	0.0000	0.0000	47.2599	47.2599	4.3600e-003	5.3000e-004	47.5262
<b>Total</b>	<b>0.2306</b>	<b>0.7657</b>	<b>0.6457</b>	<b>1.2900e-003</b>	<b>0.0539</b>	<b>0.0245</b>	<b>0.0785</b>	<b>0.0144</b>	<b>0.0245</b>	<b>0.0389</b>	<b>1.9081</b>	<b>370.6255</b>	<b>372.5337</b>	<b>0.1493</b>	<b>4.9800e-003</b>	<b>377.7493</b>

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

**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	3/1/2024	1/2/2025	5	220	
2	Perimeter Fence Installation	Site Preparation	3/1/2024	5/30/2024	5	65	

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3	Tree Removal	Site Preparation	3/1/2024	6/4/2024	5	68
4	Energy Storage System	Building Construction	8/1/2024	6/18/2025	5	230
5	Underground Work (Utilities)	Trenching	9/1/2024	1/31/2025	5	110
6	System Installation	Building Construction	9/25/2024	7/1/2025	5	200
7	Gen-Tie Construction	Trenching	10/1/2024	10/30/2024	5	22
8	Testing, Commissioning, Site Clean Up	Trenching	6/1/2025	8/27/2025	5	63

**Acres of Grading (Site Preparation Phase): 550**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	2	8.00	187	0.41
Site Preparation	Off-Highway Trucks	6	8.00	402	0.38
Site Preparation	Rollers	2	8.00	80	0.38
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Perimeter Fence Installation	Off-Highway Trucks	1	8.00	150	0.38
Perimeter Fence Installation	Rough Terrain Forklifts	1	8.00	100	0.40
Perimeter Fence Installation	Rubber Tired Dozers	0	0.00	247	0.40
Perimeter Fence Installation	Skid Steer Loaders	1	8.00	65	0.37
Perimeter Fence Installation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Tree Removal	Crushing/Proc. Equipment	1	8.00	950	0.78
Tree Removal	Excavators	3	8.00	172	0.38
Tree Removal	Other Material Handling Equipment	1	8.00	350	0.40

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Tree Removal	Other Material Handling Equipment	1	8.00	160	0.40
Tree Removal	Other Material Handling Equipment	1	8.00	790	0.40
Tree Removal	Other Material Handling Equipment	1	8.00	755	0.40
Tree Removal	Rubber Tired Dozers	0	8.00	247	0.40
Tree Removal	Skid Steer Loaders	4	8.00	65	0.37
Tree Removal	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Energy Storage System	Cranes	1	8.00	231	0.29
Energy Storage System	Forklifts	0	0.00	89	0.20
Energy Storage System	Generator Sets	0	0.00	84	0.74
Energy Storage System	Graders	0	8.00	187	0.41
Energy Storage System	Off-Highway Trucks	5	8.00	150	0.38
Energy Storage System	Rough Terrain Forklifts	4	8.00	100	0.40
Energy Storage System	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Energy Storage System	Welders	0	0.00	46	0.45
Underground Work (Utilities)	Cranes	0	0.00	231	0.29
Underground Work (Utilities)	Excavators	2	8.00	158	0.38
Underground Work (Utilities)	Off-Highway Trucks	1	8.00	300	0.38
Underground Work (Utilities)	Other Construction Equipment	1	8.00	172	0.42
Underground Work (Utilities)	Rollers	1	8.00	80	0.38
Underground Work (Utilities)	Rough Terrain Forklifts	1	8.00	100	0.40
System Installation	Cranes	1	8.00	231	0.29
System Installation	Forklifts	0	0.00	89	0.20
System Installation	Generator Sets	3	8.00	84	0.74
System Installation	Off-Highway Trucks	5	8.00	150	0.38
System Installation	Other Construction Equipment	5	8.00	172	0.42
System Installation	Rough Terrain Forklifts	10	8.00	100	0.40
System Installation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
System Installation	Welders	0	0.00	46	0.45
Gen-Tie Construction	Off-Highway Trucks	2	8.00	200	0.38

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Testing, Commissioning, Site Clean Up	Graders	1	8.00	187	0.41
Testing, Commissioning, Site Clean Up	Off-Highway Trucks	4	8.00	150	0.38
Testing, Commissioning, Site Clean Up	Skid Steer Loaders	1	8.00	65	0.37

**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	13	0.00	16.00	5,302.00	20.00	0.25	0.25	LD_Mix	HDT_Mix	HHDT
Perimeter Fence Installation	3	0.00	16.00	1,292.00	20.00	0.25	0.25	LD_Mix	HDT_Mix	HHDT
Tree Removal	12	0.00	4.00	1,350.00	20.00	0.25	0.25	LD_Mix	HDT_Mix	HHDT
Energy Storage System	11	0.00	4.00	4,582.00	20.00	0.25	0.25	LD_Mix	HDT_Mix	HHDT
Underground Work (Utilities)	6	0.00	2.00	2,184.00	20.00	0.25	0.25	LD_Mix	HDT_Mix	HHDT
System Installation	24	0.00	40.00	3,994.00	20.00	0.25	0.25	LD_Mix	HDT_Mix	HHDT
Gen-Tie Construction	2	0.00	4.00	438.00	20.00	0.25	0.25	LD_Mix	HDT_Mix	HHDT
Testing, Commissioning, Site Clean Up	6	0.00	4.00	1,258.00	20.00	0.25	0.25	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 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					
Fugitive Dust					0.9739	0.0000	0.9739	0.3962	0.0000	0.3962	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.6084	5.1883	4.1254	0.0136		0.2007	0.2007		0.1847	0.1847	0.0000	1,193.4458	1,193.4458	0.3860	0.0000	1,203.0954
<b>Total</b>	<b>0.6084</b>	<b>5.1883</b>	<b>4.1254</b>	<b>0.0136</b>	<b>0.9739</b>	<b>0.2007</b>	<b>1.1746</b>	<b>0.3962</b>	<b>0.1847</b>	<b>0.5809</b>	<b>0.0000</b>	<b>1,193.4458</b>	<b>1,193.4458</b>	<b>0.3860</b>	<b>0.0000</b>	<b>1,203.0954</b>

**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	2.7700e-003	0.0600	0.0393	9.0000e-005	6.1000e-004	8.0000e-005	6.9000e-004	1.7000e-004	8.0000e-005	2.5000e-004	0.0000	8.7250	8.7250	2.5000e-004	1.3800e-003	9.1420
Vendor	1.1700e-003	0.0264	0.0167	4.0000e-005	4.4000e-004	4.0000e-005	4.7000e-004	1.3000e-004	4.0000e-005	1.7000e-004	0.0000	3.8416	3.8416	1.1000e-004	6.0000e-004	4.0221
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>3.9400e-003</b>	<b>0.0864</b>	<b>0.0560</b>	<b>1.3000e-004</b>	<b>1.0500e-003</b>	<b>1.2000e-004</b>	<b>1.1600e-003</b>	<b>3.0000e-004</b>	<b>1.2000e-004</b>	<b>4.2000e-004</b>	<b>0.0000</b>	<b>12.5666</b>	<b>12.5666</b>	<b>3.6000e-004</b>	<b>1.9800e-003</b>	<b>13.1641</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2024**

**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					0.3798	0.0000	0.3798	0.1545	0.0000	0.1545	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.6084	5.1883	4.1254	0.0136		0.2007	0.2007		0.1847	0.1847	0.0000	1,193.444 3	1,193.444 3	0.3860	0.0000	1,203.093 9
<b>Total</b>	<b>0.6084</b>	<b>5.1883</b>	<b>4.1254</b>	<b>0.0136</b>	<b>0.3798</b>	<b>0.2007</b>	<b>0.5806</b>	<b>0.1545</b>	<b>0.1847</b>	<b>0.3392</b>	<b>0.0000</b>	<b>1,193.444 3</b>	<b>1,193.444 3</b>	<b>0.3860</b>	<b>0.0000</b>	<b>1,203.093 9</b>

**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	2.7700e-003	0.0600	0.0393	9.0000e-005	6.1000e-004	8.0000e-005	6.9000e-004	1.7000e-004	8.0000e-005	2.5000e-004	0.0000	8.7250	8.7250	2.5000e-004	1.3800e-003	9.1420
Vendor	1.1700e-003	0.0264	0.0167	4.0000e-005	4.4000e-004	4.0000e-005	4.7000e-004	1.3000e-004	4.0000e-005	1.7000e-004	0.0000	3.8416	3.8416	1.1000e-004	6.0000e-004	4.0221
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>3.9400e-003</b>	<b>0.0864</b>	<b>0.0560</b>	<b>1.3000e-004</b>	<b>1.0500e-003</b>	<b>1.2000e-004</b>	<b>1.1600e-003</b>	<b>3.0000e-004</b>	<b>1.2000e-004</b>	<b>4.2000e-004</b>	<b>0.0000</b>	<b>12.5666</b>	<b>12.5666</b>	<b>3.6000e-004</b>	<b>1.9800e-003</b>	<b>13.1641</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 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					
Fugitive Dust					0.3235	0.0000	0.3235	0.0387	0.0000	0.0387	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.2100e-003	0.0413	0.0366	1.2000e-004		1.5800e-003	1.5800e-003		1.4500e-003	1.4500e-003	0.0000	10.9441	10.9441	3.5400e-003	0.0000	11.0326
<b>Total</b>	<b>5.2100e-003</b>	<b>0.0413</b>	<b>0.0366</b>	<b>1.2000e-004</b>	<b>0.3235</b>	<b>1.5800e-003</b>	<b>0.3251</b>	<b>0.0387</b>	<b>1.4500e-003</b>	<b>0.0402</b>	<b>0.0000</b>	<b>10.9441</b>	<b>10.9441</b>	<b>3.5400e-003</b>	<b>0.0000</b>	<b>11.0326</b>

**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	3.0000e-005	5.4000e-004	3.6000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0783	0.0783	0.0000	1.0000e-005	0.0821
Vendor	1.0000e-005	2.4000e-004	1.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0345	0.0345	0.0000	1.0000e-005	0.0361
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>4.0000e-005</b>	<b>7.8000e-004</b>	<b>5.1000e-004</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.1128</b>	<b>0.1128</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.1182</b>

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**3.2 Site Preparation - 2025**

**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					0.1262	0.0000	0.1262	0.0151	0.0000	0.0151	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.2100e-003	0.0413	0.0366	1.2000e-004		1.5800e-003	1.5800e-003		1.4500e-003	1.4500e-003	0.0000	10.9441	10.9441	3.5400e-003	0.0000	11.0326
<b>Total</b>	<b>5.2100e-003</b>	<b>0.0413</b>	<b>0.0366</b>	<b>1.2000e-004</b>	<b>0.1262</b>	<b>1.5800e-003</b>	<b>0.1278</b>	<b>0.0151</b>	<b>1.4500e-003</b>	<b>0.0166</b>	<b>0.0000</b>	<b>10.9441</b>	<b>10.9441</b>	<b>3.5400e-003</b>	<b>0.0000</b>	<b>11.0326</b>

**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	3.0000e-005	5.4000e-004	3.6000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0783	0.0783	0.0000	1.0000e-005	0.0821
Vendor	1.0000e-005	2.4000e-004	1.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0345	0.0345	0.0000	1.0000e-005	0.0361
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>4.0000e-005</b>	<b>7.8000e-004</b>	<b>5.1000e-004</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.1128</b>	<b>0.1128</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.1182</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Perimeter Fence Installation - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0127	0.1196	0.2280	3.4000e-004		4.4900e-003	4.4900e-003		4.1300e-003	4.1300e-003	0.0000	29.6918	29.6918	9.6000e-003	0.0000	29.9318
<b>Total</b>	<b>0.0127</b>	<b>0.1196</b>	<b>0.2280</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>4.4900e-003</b>	<b>4.4900e-003</b>	<b>0.0000</b>	<b>4.1300e-003</b>	<b>4.1300e-003</b>	<b>0.0000</b>	<b>29.6918</b>	<b>29.6918</b>	<b>9.6000e-003</b>	<b>0.0000</b>	<b>29.9318</b>

**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	6.8000e-004	0.0148	9.6600e-003	2.0000e-005	1.5000e-004	2.0000e-005	1.7000e-004	4.0000e-005	2.0000e-005	6.0000e-005	0.0000	2.1456	2.1456	6.0000e-005	3.4000e-004	2.2482
Vendor	3.5000e-004	7.8700e-003	4.9800e-003	1.0000e-005	1.3000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	1.1454	1.1454	3.0000e-005	1.8000e-004	1.1993
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.0300e-003</b>	<b>0.0226</b>	<b>0.0146</b>	<b>3.0000e-005</b>	<b>2.8000e-004</b>	<b>3.0000e-005</b>	<b>3.1000e-004</b>	<b>8.0000e-005</b>	<b>3.0000e-005</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>3.2911</b>	<b>3.2911</b>	<b>9.0000e-005</b>	<b>5.2000e-004</b>	<b>3.4474</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Perimeter Fence Installation - 2024**

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0127	0.1196	0.2280	3.4000e-004		4.4900e-003	4.4900e-003		4.1300e-003	4.1300e-003	0.0000	29.6917	29.6917	9.6000e-003	0.0000	29.9318
<b>Total</b>	<b>0.0127</b>	<b>0.1196</b>	<b>0.2280</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>4.4900e-003</b>	<b>4.4900e-003</b>	<b>0.0000</b>	<b>4.1300e-003</b>	<b>4.1300e-003</b>	<b>0.0000</b>	<b>29.6917</b>	<b>29.6917</b>	<b>9.6000e-003</b>	<b>0.0000</b>	<b>29.9318</b>

**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	6.8000e-004	0.0148	9.6600e-003	2.0000e-005	1.5000e-004	2.0000e-005	1.7000e-004	4.0000e-005	2.0000e-005	6.0000e-005	0.0000	2.1456	2.1456	6.0000e-005	3.4000e-004	2.2482
Vendor	3.5000e-004	7.8700e-003	4.9800e-003	1.0000e-005	1.3000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	1.1454	1.1454	3.0000e-005	1.8000e-004	1.1993
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.0300e-003</b>	<b>0.0226</b>	<b>0.0146</b>	<b>3.0000e-005</b>	<b>2.8000e-004</b>	<b>3.0000e-005</b>	<b>3.1000e-004</b>	<b>8.0000e-005</b>	<b>3.0000e-005</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>3.2911</b>	<b>3.2911</b>	<b>9.0000e-005</b>	<b>5.2000e-004</b>	<b>3.4474</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Tree Removal - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0543	0.4785	0.7789	1.4500e-003		0.0207	0.0207		0.0191	0.0191	0.0000	127.3967	127.3967	0.0412	0.0000	128.4268
<b>Total</b>	<b>0.0543</b>	<b>0.4785</b>	<b>0.7789</b>	<b>1.4500e-003</b>	<b>0.0000</b>	<b>0.0207</b>	<b>0.0207</b>	<b>0.0000</b>	<b>0.0191</b>	<b>0.0191</b>	<b>0.0000</b>	<b>127.3967</b>	<b>127.3967</b>	<b>0.0412</b>	<b>0.0000</b>	<b>128.4268</b>

**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	7.1000e-004	0.0154	0.0101	2.0000e-005	1.6000e-004	2.0000e-005	1.8000e-004	4.0000e-005	2.0000e-005	6.0000e-005	0.0000	2.2419	2.2419	6.0000e-005	3.5000e-004	2.3491
Vendor	9.0000e-005	2.0600e-003	1.3000e-003	0.0000	3.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.2996	0.2996	1.0000e-005	5.0000e-005	0.3137
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>8.0000e-004</b>	<b>0.0175</b>	<b>0.0114</b>	<b>2.0000e-005</b>	<b>1.9000e-004</b>	<b>2.0000e-005</b>	<b>2.2000e-004</b>	<b>5.0000e-005</b>	<b>2.0000e-005</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>2.5415</b>	<b>2.5415</b>	<b>7.0000e-005</b>	<b>4.0000e-004</b>	<b>2.6628</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Tree Removal - 2024**

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0543	0.4785	0.7789	1.4500e-003		0.0207	0.0207		0.0191	0.0191	0.0000	127.3966	127.3966	0.0412	0.0000	128.4267
<b>Total</b>	<b>0.0543</b>	<b>0.4785</b>	<b>0.7789</b>	<b>1.4500e-003</b>	<b>0.0000</b>	<b>0.0207</b>	<b>0.0207</b>	<b>0.0000</b>	<b>0.0191</b>	<b>0.0191</b>	<b>0.0000</b>	<b>127.3966</b>	<b>127.3966</b>	<b>0.0412</b>	<b>0.0000</b>	<b>128.4267</b>

**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	7.1000e-004	0.0154	0.0101	2.0000e-005	1.6000e-004	2.0000e-005	1.8000e-004	4.0000e-005	2.0000e-005	6.0000e-005	0.0000	2.2419	2.2419	6.0000e-005	3.5000e-004	2.3491
Vendor	9.0000e-005	2.0600e-003	1.3000e-003	0.0000	3.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.2996	0.2996	1.0000e-005	5.0000e-005	0.3137
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>8.0000e-004</b>	<b>0.0175</b>	<b>0.0114</b>	<b>2.0000e-005</b>	<b>1.9000e-004</b>	<b>2.0000e-005</b>	<b>2.2000e-004</b>	<b>5.0000e-005</b>	<b>2.0000e-005</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>2.5415</b>	<b>2.5415</b>	<b>7.0000e-005</b>	<b>4.0000e-004</b>	<b>2.6628</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 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	0.1096	0.9736	1.6284	2.5700e-003		0.0397	0.0397		0.0365	0.0365	0.0000	225.4199	225.4199	0.0729	0.0000	227.2425
<b>Total</b>	<b>0.1096</b>	<b>0.9736</b>	<b>1.6284</b>	<b>2.5700e-003</b>		<b>0.0397</b>	<b>0.0397</b>		<b>0.0365</b>	<b>0.0365</b>	<b>0.0000</b>	<b>225.4199</b>	<b>225.4199</b>	<b>0.0729</b>	<b>0.0000</b>	<b>227.2425</b>

**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	1.1400e-003	0.0248	0.0162	4.0000e-005	2.5000e-004	3.0000e-005	2.9000e-004	7.0000e-005	3.0000e-005	1.0000e-004	0.0000	3.6062	3.6062	1.0000e-004	5.7000e-004	3.7785
Vendor	1.5000e-004	3.3000e-003	2.0900e-003	0.0000	5.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.4802	0.4802	1.0000e-005	7.0000e-005	0.5028
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.2900e-003</b>	<b>0.0281</b>	<b>0.0183</b>	<b>4.0000e-005</b>	<b>3.0000e-004</b>	<b>3.0000e-005</b>	<b>3.5000e-004</b>	<b>9.0000e-005</b>	<b>3.0000e-005</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>4.0864</b>	<b>4.0864</b>	<b>1.1000e-004</b>	<b>6.4000e-004</b>	<b>4.2813</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2024**

**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	0.1096	0.9736	1.6284	2.5700e-003		0.0397	0.0397		0.0365	0.0365	0.0000	225.4196	225.4196	0.0729	0.0000	227.2422
<b>Total</b>	<b>0.1096</b>	<b>0.9736</b>	<b>1.6284</b>	<b>2.5700e-003</b>		<b>0.0397</b>	<b>0.0397</b>		<b>0.0365</b>	<b>0.0365</b>	<b>0.0000</b>	<b>225.4196</b>	<b>225.4196</b>	<b>0.0729</b>	<b>0.0000</b>	<b>227.2422</b>

**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	1.1400e-003	0.0248	0.0162	4.0000e-005	2.5000e-004	3.0000e-005	2.9000e-004	7.0000e-005	3.0000e-005	1.0000e-004	0.0000	3.6062	3.6062	1.0000e-004	5.7000e-004	3.7785
Vendor	1.5000e-004	3.3000e-003	2.0900e-003	0.0000	5.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.4802	0.4802	1.0000e-005	7.0000e-005	0.5028
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.2900e-003</b>	<b>0.0281</b>	<b>0.0183</b>	<b>4.0000e-005</b>	<b>3.0000e-004</b>	<b>3.0000e-005</b>	<b>3.5000e-004</b>	<b>9.0000e-005</b>	<b>3.0000e-005</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>4.0864</b>	<b>4.0864</b>	<b>1.1000e-004</b>	<b>6.4000e-004</b>	<b>4.2813</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 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	0.1154	0.9894	1.8050	2.8500e-003		0.0399	0.0399		0.0367	0.0367	0.0000	250.1777	250.1777	0.0809	0.0000	252.2005
<b>Total</b>	<b>0.1154</b>	<b>0.9894</b>	<b>1.8050</b>	<b>2.8500e-003</b>		<b>0.0399</b>	<b>0.0399</b>		<b>0.0367</b>	<b>0.0367</b>	<b>0.0000</b>	<b>250.1777</b>	<b>250.1777</b>	<b>0.0809</b>	<b>0.0000</b>	<b>252.2005</b>

**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	1.2600e-003	0.0272	0.0180	4.0000e-005	2.8000e-004	4.0000e-005	3.2000e-004	8.0000e-005	4.0000e-005	1.1000e-004	0.0000	3.9173	3.9173	1.1000e-004	6.2000e-004	4.1046
Vendor	1.6000e-004	3.6200e-003	2.2900e-003	1.0000e-005	6.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.5218	0.5218	1.0000e-005	8.0000e-005	0.5464
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.4200e-003</b>	<b>0.0308</b>	<b>0.0203</b>	<b>5.0000e-005</b>	<b>3.4000e-004</b>	<b>4.0000e-005</b>	<b>3.9000e-004</b>	<b>1.0000e-004</b>	<b>4.0000e-005</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>4.4391</b>	<b>4.4391</b>	<b>1.2000e-004</b>	<b>7.0000e-004</b>	<b>4.6510</b>

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**3.5 Energy Storage System - 2025**

**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	0.1154	0.9894	1.8050	2.8500e-003		0.0399	0.0399		0.0367	0.0367	0.0000	250.1774	250.1774	0.0809	0.0000	252.2002
<b>Total</b>	<b>0.1154</b>	<b>0.9894</b>	<b>1.8050</b>	<b>2.8500e-003</b>		<b>0.0399</b>	<b>0.0399</b>		<b>0.0367</b>	<b>0.0367</b>	<b>0.0000</b>	<b>250.1774</b>	<b>250.1774</b>	<b>0.0809</b>	<b>0.0000</b>	<b>252.2002</b>

**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	1.2600e-003	0.0272	0.0180	4.0000e-005	2.8000e-004	4.0000e-005	3.2000e-004	8.0000e-005	4.0000e-005	1.1000e-004	0.0000	3.9173	3.9173	1.1000e-004	6.2000e-004	4.1046
Vendor	1.6000e-004	3.6200e-003	2.2900e-003	1.0000e-005	6.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.5218	0.5218	1.0000e-005	8.0000e-005	0.5464
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.4200e-003</b>	<b>0.0308</b>	<b>0.0203</b>	<b>5.0000e-005</b>	<b>3.4000e-004</b>	<b>4.0000e-005</b>	<b>3.9000e-004</b>	<b>1.0000e-004</b>	<b>4.0000e-005</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>4.4391</b>	<b>4.4391</b>	<b>1.2000e-004</b>	<b>7.0000e-004</b>	<b>4.6510</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 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	0.0571	0.4948	0.7442	1.4100e-003		0.0224	0.0224		0.0206	0.0206	0.0000	123.9969	123.9969	0.0401	0.0000	124.9995
<b>Total</b>	<b>0.0571</b>	<b>0.4948</b>	<b>0.7442</b>	<b>1.4100e-003</b>		<b>0.0224</b>	<b>0.0224</b>		<b>0.0206</b>	<b>0.0206</b>	<b>0.0000</b>	<b>123.9969</b>	<b>123.9969</b>	<b>0.0401</b>	<b>0.0000</b>	<b>124.9995</b>

**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	9.1000e-004	0.0197	0.0129	3.0000e-005	2.0000e-004	3.0000e-005	2.3000e-004	6.0000e-005	3.0000e-005	8.0000e-005	0.0000	2.8686	2.8686	8.0000e-005	4.5000e-004	3.0057
Vendor	6.0000e-005	1.3200e-003	8.3000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1916	0.1916	1.0000e-005	3.0000e-005	0.2006
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>9.7000e-004</b>	<b>0.0211</b>	<b>0.0137</b>	<b>3.0000e-005</b>	<b>2.2000e-004</b>	<b>3.0000e-005</b>	<b>2.5000e-004</b>	<b>7.0000e-005</b>	<b>3.0000e-005</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>3.0602</b>	<b>3.0602</b>	<b>9.0000e-005</b>	<b>4.8000e-004</b>	<b>3.2064</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2024**

**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	0.0571	0.4948	0.7442	1.4100e-003		0.0224	0.0224		0.0206	0.0206	0.0000	123.9968	123.9968	0.0401	0.0000	124.9994
<b>Total</b>	<b>0.0571</b>	<b>0.4948</b>	<b>0.7442</b>	<b>1.4100e-003</b>		<b>0.0224</b>	<b>0.0224</b>		<b>0.0206</b>	<b>0.0206</b>	<b>0.0000</b>	<b>123.9968</b>	<b>123.9968</b>	<b>0.0401</b>	<b>0.0000</b>	<b>124.9994</b>

**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	9.1000e-004	0.0197	0.0129	3.0000e-005	2.0000e-004	3.0000e-005	2.3000e-004	6.0000e-005	3.0000e-005	8.0000e-005	0.0000	2.8686	2.8686	8.0000e-005	4.5000e-004	3.0057
Vendor	6.0000e-005	1.3200e-003	8.3000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1916	0.1916	1.0000e-005	3.0000e-005	0.2006
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>9.7000e-004</b>	<b>0.0211</b>	<b>0.0137</b>	<b>3.0000e-005</b>	<b>2.2000e-004</b>	<b>3.0000e-005</b>	<b>2.5000e-004</b>	<b>7.0000e-005</b>	<b>3.0000e-005</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>3.0602</b>	<b>3.0602</b>	<b>9.0000e-005</b>	<b>4.8000e-004</b>	<b>3.2064</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 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	0.0141	0.1158	0.1958	3.7000e-004		5.1500e-003	5.1500e-003		4.7400e-003	4.7400e-003	0.0000	32.7800	32.7800	0.0106	0.0000	33.0450
<b>Total</b>	<b>0.0141</b>	<b>0.1158</b>	<b>0.1958</b>	<b>3.7000e-004</b>		<b>5.1500e-003</b>	<b>5.1500e-003</b>		<b>4.7400e-003</b>	<b>4.7400e-003</b>	<b>0.0000</b>	<b>32.7800</b>	<b>32.7800</b>	<b>0.0106</b>	<b>0.0000</b>	<b>33.0450</b>

**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	2.4000e-004	5.1600e-003	3.4100e-003	1.0000e-005	5.0000e-005	1.0000e-005	6.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.7421	0.7421	2.0000e-005	1.2000e-004	0.7776
Vendor	2.0000e-005	3.4000e-004	2.2000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0496	0.0496	0.0000	1.0000e-005	0.0519
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>2.6000e-004</b>	<b>5.5000e-003</b>	<b>3.6300e-003</b>	<b>1.0000e-005</b>	<b>6.0000e-005</b>	<b>1.0000e-005</b>	<b>7.0000e-005</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.7917</b>	<b>0.7917</b>	<b>2.0000e-005</b>	<b>1.3000e-004</b>	<b>0.8295</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2025**

**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	0.0141	0.1158	0.1958	3.7000e-004		5.1500e-003	5.1500e-003		4.7400e-003	4.7400e-003	0.0000	32.7799	32.7799	0.0106	0.0000	33.0450
<b>Total</b>	<b>0.0141</b>	<b>0.1158</b>	<b>0.1958</b>	<b>3.7000e-004</b>		<b>5.1500e-003</b>	<b>5.1500e-003</b>		<b>4.7400e-003</b>	<b>4.7400e-003</b>	<b>0.0000</b>	<b>32.7799</b>	<b>32.7799</b>	<b>0.0106</b>	<b>0.0000</b>	<b>33.0450</b>

**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	2.4000e-004	5.1600e-003	3.4100e-003	1.0000e-005	5.0000e-005	1.0000e-005	6.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.7421	0.7421	2.0000e-005	1.2000e-004	0.7776
Vendor	2.0000e-005	3.4000e-004	2.2000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0496	0.0496	0.0000	1.0000e-005	0.0519
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>2.6000e-004</b>	<b>5.5000e-003</b>	<b>3.6300e-003</b>	<b>1.0000e-005</b>	<b>6.0000e-005</b>	<b>1.0000e-005</b>	<b>7.0000e-005</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.7917</b>	<b>0.7917</b>	<b>2.0000e-005</b>	<b>1.3000e-004</b>	<b>0.8295</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 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	0.1749	1.6872	2.5352	4.0400e-003		0.0724	0.0724		0.0676	0.0676	0.0000	353.0857	353.0857	0.0974	0.0000	355.5208
<b>Total</b>	<b>0.1749</b>	<b>1.6872</b>	<b>2.5352</b>	<b>4.0400e-003</b>		<b>0.0724</b>	<b>0.0724</b>		<b>0.0676</b>	<b>0.0676</b>	<b>0.0000</b>	<b>353.0857</b>	<b>353.0857</b>	<b>0.0974</b>	<b>0.0000</b>	<b>355.5208</b>

**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	7.4000e-004	0.0160	0.0105	2.0000e-005	1.6000e-004	2.0000e-005	1.8000e-004	5.0000e-005	2.0000e-005	7.0000e-005	0.0000	2.3215	2.3215	7.0000e-005	3.7000e-004	2.4325
Vendor	9.4000e-004	0.0212	0.0134	3.0000e-005	3.5000e-004	3.0000e-005	3.8000e-004	1.0000e-004	3.0000e-005	1.3000e-004	0.0000	3.0839	3.0839	9.0000e-005	4.8000e-004	3.2288
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.6800e-003</b>	<b>0.0372</b>	<b>0.0239</b>	<b>5.0000e-005</b>	<b>5.1000e-004</b>	<b>5.0000e-005</b>	<b>5.6000e-004</b>	<b>1.5000e-004</b>	<b>5.0000e-005</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>5.4054</b>	<b>5.4054</b>	<b>1.6000e-004</b>	<b>8.5000e-004</b>	<b>5.6612</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2024**

**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	0.1749	1.6872	2.5352	4.0400e-003		0.0724	0.0724		0.0676	0.0676	0.0000	353.0853	353.0853	0.0974	0.0000	355.5203
<b>Total</b>	<b>0.1749</b>	<b>1.6872</b>	<b>2.5352</b>	<b>4.0400e-003</b>		<b>0.0724</b>	<b>0.0724</b>		<b>0.0676</b>	<b>0.0676</b>	<b>0.0000</b>	<b>353.0853</b>	<b>353.0853</b>	<b>0.0974</b>	<b>0.0000</b>	<b>355.5203</b>

**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	7.4000e-004	0.0160	0.0105	2.0000e-005	1.6000e-004	2.0000e-005	1.8000e-004	5.0000e-005	2.0000e-005	7.0000e-005	0.0000	2.3215	2.3215	7.0000e-005	3.7000e-004	2.4325
Vendor	9.4000e-004	0.0212	0.0134	3.0000e-005	3.5000e-004	3.0000e-005	3.8000e-004	1.0000e-004	3.0000e-005	1.3000e-004	0.0000	3.0839	3.0839	9.0000e-005	4.8000e-004	3.2288
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.6800e-003</b>	<b>0.0372</b>	<b>0.0239</b>	<b>5.0000e-005</b>	<b>5.1000e-004</b>	<b>5.0000e-005</b>	<b>5.6000e-004</b>	<b>1.5000e-004</b>	<b>5.0000e-005</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>5.4054</b>	<b>5.4054</b>	<b>1.6000e-004</b>	<b>8.5000e-004</b>	<b>5.6612</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 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	0.3023	2.8417	4.6981	7.5000e-003		0.1184	0.1184		0.1104	0.1104	0.0000	655.7556	655.7556	0.1805	0.0000	660.2684
<b>Total</b>	<b>0.3023</b>	<b>2.8417</b>	<b>4.6981</b>	<b>7.5000e-003</b>		<b>0.1184</b>	<b>0.1184</b>		<b>0.1104</b>	<b>0.1104</b>	<b>0.0000</b>	<b>655.7556</b>	<b>655.7556</b>	<b>0.1805</b>	<b>0.0000</b>	<b>660.2684</b>

**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	1.3600e-003	0.0293	0.0194	4.0000e-005	3.0000e-004	4.0000e-005	3.4000e-004	9.0000e-005	4.0000e-005	1.2000e-004	0.0000	4.2189	4.2189	1.2000e-004	6.7000e-004	4.4206
Vendor	1.7100e-003	0.0389	0.0246	6.0000e-005	6.5000e-004	5.0000e-005	7.0000e-004	1.9000e-004	5.0000e-005	2.4000e-004	0.0000	5.6065	5.6065	1.6000e-004	8.7000e-004	5.8701
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>3.0700e-003</b>	<b>0.0682</b>	<b>0.0440</b>	<b>1.0000e-004</b>	<b>9.5000e-004</b>	<b>9.0000e-005</b>	<b>1.0400e-003</b>	<b>2.8000e-004</b>	<b>9.0000e-005</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>9.8254</b>	<b>9.8254</b>	<b>2.8000e-004</b>	<b>1.5400e-003</b>	<b>10.2907</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2025**

**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	0.3023	2.8416	4.6981	7.5000e-003		0.1184	0.1184		0.1104	0.1104	0.0000	655.7549	655.7549	0.1805	0.0000	660.2676
<b>Total</b>	<b>0.3023</b>	<b>2.8416</b>	<b>4.6981</b>	<b>7.5000e-003</b>		<b>0.1184</b>	<b>0.1184</b>		<b>0.1104</b>	<b>0.1104</b>	<b>0.0000</b>	<b>655.7549</b>	<b>655.7549</b>	<b>0.1805</b>	<b>0.0000</b>	<b>660.2676</b>

**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	1.3600e-003	0.0293	0.0194	4.0000e-005	3.0000e-004	4.0000e-005	3.4000e-004	9.0000e-005	4.0000e-005	1.2000e-004	0.0000	4.2189	4.2189	1.2000e-004	6.7000e-004	4.4206
Vendor	1.7100e-003	0.0389	0.0246	6.0000e-005	6.5000e-004	5.0000e-005	7.0000e-004	1.9000e-004	5.0000e-005	2.4000e-004	0.0000	5.6065	5.6065	1.6000e-004	8.7000e-004	5.8701
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>3.0700e-003</b>	<b>0.0682</b>	<b>0.0440</b>	<b>1.0000e-004</b>	<b>9.5000e-004</b>	<b>9.0000e-005</b>	<b>1.0400e-003</b>	<b>2.8000e-004</b>	<b>9.0000e-005</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>9.8254</b>	<b>9.8254</b>	<b>2.8000e-004</b>	<b>1.5400e-003</b>	<b>10.2907</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.8 Gen-Tie 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	5.9600e-003	0.0400	0.0371	1.4000e-004		1.6000e-003	1.6000e-003		1.4700e-003	1.4700e-003	0.0000	12.5497	12.5497	4.0600e-003	0.0000	12.6512
<b>Total</b>	<b>5.9600e-003</b>	<b>0.0400</b>	<b>0.0371</b>	<b>1.4000e-004</b>		<b>1.6000e-003</b>	<b>1.6000e-003</b>		<b>1.4700e-003</b>	<b>1.4700e-003</b>	<b>0.0000</b>	<b>12.5497</b>	<b>12.5497</b>	<b>4.0600e-003</b>	<b>0.0000</b>	<b>12.6512</b>

**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	2.3000e-004	5.0000e-003	3.2700e-003	1.0000e-005	5.0000e-005	1.0000e-005	6.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.7274	0.7274	2.0000e-005	1.1000e-004	0.7622
Vendor	3.0000e-005	6.7000e-004	4.2000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0969	0.0969	0.0000	2.0000e-005	0.1015
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>2.6000e-004</b>	<b>5.6700e-003</b>	<b>3.6900e-003</b>	<b>1.0000e-005</b>	<b>6.0000e-005</b>	<b>1.0000e-005</b>	<b>7.0000e-005</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.8243</b>	<b>0.8243</b>	<b>2.0000e-005</b>	<b>1.3000e-004</b>	<b>0.8636</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.8 Gen-Tie Construction - 2024**

**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	5.9600e-003	0.0400	0.0371	1.4000e-004		1.6000e-003	1.6000e-003		1.4700e-003	1.4700e-003	0.0000	12.5497	12.5497	4.0600e-003	0.0000	12.6512
<b>Total</b>	<b>5.9600e-003</b>	<b>0.0400</b>	<b>0.0371</b>	<b>1.4000e-004</b>		<b>1.6000e-003</b>	<b>1.6000e-003</b>		<b>1.4700e-003</b>	<b>1.4700e-003</b>	<b>0.0000</b>	<b>12.5497</b>	<b>12.5497</b>	<b>4.0600e-003</b>	<b>0.0000</b>	<b>12.6512</b>

**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	2.3000e-004	5.0000e-003	3.2700e-003	1.0000e-005	5.0000e-005	1.0000e-005	6.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.7274	0.7274	2.0000e-005	1.1000e-004	0.7622
Vendor	3.0000e-005	6.7000e-004	4.2000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0969	0.0969	0.0000	2.0000e-005	0.1015
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>2.6000e-004</b>	<b>5.6700e-003</b>	<b>3.6900e-003</b>	<b>1.0000e-005</b>	<b>6.0000e-005</b>	<b>1.0000e-005</b>	<b>7.0000e-005</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.8243</b>	<b>0.8243</b>	<b>2.0000e-005</b>	<b>1.3000e-004</b>	<b>0.8636</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.9 Testing, Commissioning, Site Clean Up - 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	0.0387	0.3030	0.5152	8.9000e-004		0.0125	0.0125		0.0115	0.0115	0.0000	78.0336	78.0336	0.0252	0.0000	78.6645
<b>Total</b>	<b>0.0387</b>	<b>0.3030</b>	<b>0.5152</b>	<b>8.9000e-004</b>		<b>0.0125</b>	<b>0.0125</b>		<b>0.0115</b>	<b>0.0115</b>	<b>0.0000</b>	<b>78.0336</b>	<b>78.0336</b>	<b>0.0252</b>	<b>0.0000</b>	<b>78.6645</b>

**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	6.6000e-004	0.0142	9.4000e-003	2.0000e-005	1.5000e-004	2.0000e-005	1.7000e-004	4.0000e-005	2.0000e-005	6.0000e-005	0.0000	2.0443	2.0443	6.0000e-005	3.2000e-004	2.1421
Vendor	8.0000e-005	1.8800e-003	1.1900e-003	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.2717	0.2717	1.0000e-005	4.0000e-005	0.2845
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>7.4000e-004</b>	<b>0.0161</b>	<b>0.0106</b>	<b>2.0000e-005</b>	<b>1.8000e-004</b>	<b>2.0000e-005</b>	<b>2.0000e-004</b>	<b>5.0000e-005</b>	<b>2.0000e-005</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>2.3160</b>	<b>2.3160</b>	<b>7.0000e-005</b>	<b>3.6000e-004</b>	<b>2.4266</b>

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Testing, Commissioning, Site Clean Up - 2025

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	0.0387	0.3030	0.5152	8.9000e-004		0.0125	0.0125		0.0115	0.0115	0.0000	78.0335	78.0335	0.0252	0.0000	78.6644
<b>Total</b>	<b>0.0387</b>	<b>0.3030</b>	<b>0.5152</b>	<b>8.9000e-004</b>		<b>0.0125</b>	<b>0.0125</b>		<b>0.0115</b>	<b>0.0115</b>	<b>0.0000</b>	<b>78.0335</b>	<b>78.0335</b>	<b>0.0252</b>	<b>0.0000</b>	<b>78.6644</b>

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	6.6000e-004	0.0142	9.4000e-003	2.0000e-005	1.5000e-004	2.0000e-005	1.7000e-004	4.0000e-005	2.0000e-005	6.0000e-005	0.0000	2.0443	2.0443	6.0000e-005	3.2000e-004	2.1421
Vendor	8.0000e-005	1.8800e-003	1.1900e-003	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.2717	0.2717	1.0000e-005	4.0000e-005	0.2845
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>7.4000e-004</b>	<b>0.0161</b>	<b>0.0106</b>	<b>2.0000e-005</b>	<b>1.8000e-004</b>	<b>2.0000e-005</b>	<b>2.0000e-004</b>	<b>5.0000e-005</b>	<b>2.0000e-005</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>2.3160</b>	<b>2.3160</b>	<b>7.0000e-005</b>	<b>3.6000e-004</b>	<b>2.4266</b>

4.0 Operational Detail - Mobile



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.0228	0.0318	0.2271	5.0000e-004	0.0539	3.9000e-004	0.0543	0.0144	3.6000e-004	0.0148	0.0000	46.5080	46.5080	2.9600e-003	2.2100e-003	47.2404
Unmitigated	0.0228	0.0318	0.2271	5.0000e-004	0.0539	3.9000e-004	0.0543	0.0144	3.6000e-004	0.0148	0.0000	46.5080	46.5080	2.9600e-003	2.2100e-003	47.2404

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	20.00	20.00	20.00	62,353	62,353
User Defined Industrial	32.00	0.00	0.00	83,200	83,200
<b>Total</b>	<b>52.00</b>	<b>20.00</b>	<b>20.00</b>	<b>145,553</b>	<b>145,553</b>

**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
Unrefrigerated Warehouse-No Rail	10.00	5.00	6.50	59.00	0.00	41.00	100	0	0
User Defined Industrial	10.00	5.00	6.50	100.00	0.00	0.00	100	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.546433	0.056674	0.183423	0.128799	0.024661	0.005883	0.013276	0.009437	0.000898	0.000581	0.025768	0.000959	0.003207

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

User Defined Industrial	0.546433	0.056674	0.183423	0.128799	0.024661	0.005883	0.013276	0.009437	0.000898	0.000581	0.025768	0.000959	0.003207
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**5.0 Energy Detail**

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	200.6980	200.6980	0.0185	2.2400e-003	201.8288
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	200.6980	200.6980	0.0185	2.2400e-003	201.8288
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



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	1.236e+006	200.6980	0.0185	2.2400e-003	201.8288
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>200.6980</b>	<b>0.0185</b>	<b>2.2400e-003</b>	<b>201.8288</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	1.236e+006	200.6980	0.0185	2.2400e-003	201.8288
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>200.6980</b>	<b>0.0185</b>	<b>2.2400e-003</b>	<b>201.8288</b>

**6.0 Area Detail**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.0437	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.7000e-004	2.7000e-004	0.0000	0.0000	2.9000e-004
Unmitigated	0.0437	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.7000e-004	2.7000e-004	0.0000	0.0000	2.9000e-004

**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	4.6400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0391					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.7000e-004	2.7000e-004	0.0000	0.0000	2.9000e-004
<b>Total</b>	<b>0.0437</b>	<b>0.0000</b>	<b>1.4000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.7000e-004</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.9000e-004</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**6.2 Area by SubCategory**

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	4.6400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0391					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.7000e-004	2.7000e-004	0.0000	0.0000	2.9000e-004
<b>Total</b>	<b>0.0437</b>	<b>0.0000</b>	<b>1.4000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.7000e-004</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.9000e-004</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	47.2599	4.3600e-003	5.3000e-004	47.5262
Unmitigated	47.2599	4.3600e-003	5.3000e-004	47.5262

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	0 / 0.716873	0.4074	4.0000e-005	0.0000	0.4097
User Defined Industrial	0 / 82.4404	46.8525	4.3200e-003	5.2000e-004	47.1165
<b>Total</b>		<b>47.2599</b>	<b>4.3600e-003</b>	<b>5.2000e-004</b>	<b>47.5262</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**7.2 Water by Land Use**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	0 / 0.716873	0.4074	4.0000e-005	0.0000	0.4097
User Defined Industrial	0 / 82.4404	46.8525	4.3200e-003	5.2000e-004	47.1165
<b>Total</b>		<b>47.2599</b>	<b>4.3600e-003</b>	<b>5.2000e-004</b>	<b>47.5262</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1.9081	0.1128	0.0000	4.7273
Unmitigated	1.9081	0.1128	0.0000	4.7273



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**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	9.4	1.9081	0.1128	0.0000	4.7273
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>1.9081</b>	<b>0.1128</b>	<b>0.0000</b>	<b>4.7273</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	9.4	1.9081	0.1128	0.0000	4.7273
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>1.9081</b>	<b>0.1128</b>	<b>0.0000</b>	<b>4.7273</b>

**9.0 Operational Offroad**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

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

**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	0.5	50	2000	0.73	Diesel

**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**10.1 Stationary Sources**

**Unmitigated/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
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (750 - 9999 HP)	0.1641	0.7339	0.4184	7.9000e-004		0.0241	0.0241		0.0241	0.0241	0.0000	76.1594	76.1594	0.0107	0.0000	76.4264
<b>Total</b>	<b>0.1641</b>	<b>0.7339</b>	<b>0.4184</b>	<b>7.9000e-004</b>		<b>0.0241</b>	<b>0.0241</b>		<b>0.0241</b>	<b>0.0241</b>	<b>0.0000</b>	<b>76.1594</b>	<b>76.1594</b>	<b>0.0107</b>	<b>0.0000</b>	<b>76.4264</b>

**11.0 Vegetation**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

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** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 12/19/2023
** File: C:\Users\apoll\Desktop\HARP2\HARP\Coyote Creek\CC AERMOD\CC AERMOD.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Users\apoll\Desktop\HARP2\HARP\Coyote Creek\CC AERMOD\CC AERMOD.i
  MODELOPT DFAULT CONC
  AVERTIME 1 PERIOD
  POLLUTID PM_10
  FLAGPOLE 1.80
  RUNORNOT RUN
  ERRORFIL "CC AERMOD.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC
** PREFIX
** Length of Side = 8.60
** Configuration = Adjacent
** Emission Rate = 0.620012747
** Vertical Dimension = 10.00
** SZINIT = 4.65
** Nodes = 59
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** 661990.258, 4272918.288, 66.54, 5.00, 4.00
** 661140.054, 4272905.106, 84.45, 5.00, 4.00

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\*\* 661614.587, 4271461.736, 64.53, 5.00, 4.00  
\*\* 662016.621, 4271461.736, 65.49, 5.00, 4.00  
\*\* 662062.756, 4269820.644, 70.21, 5.00, 4.00  
\*\* 662814.100, 4269827.235, 50.78, 5.00, 4.00  
\*\* 662833.872, 4269089.073, 78.86, 5.00, 4.00  
\*\* 665107.674, 4269154.980, 72.59, 5.00, 4.00  
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LOCATION	VOLUME				
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L0160726	VOLUME	661971.860	4273666.474	84.38	
L0160727	VOLUME	661972.072	4273657.877	84.36	
L0160728	VOLUME	661972.283	4273649.279	84.34	
L0160729	VOLUME	661972.495	4273640.682	84.15	
L0160730	VOLUME	661972.706	4273632.084	83.77	
L0160731	VOLUME	661972.917	4273623.487	83.40	
L0160732	VOLUME	661973.129	4273614.890	83.02	
L0160733	VOLUME	661973.340	4273606.292	82.81	
L0160734	VOLUME	661973.552	4273597.695	82.61	
L0160735	VOLUME	661973.763	4273589.097	82.42	
L0160736	VOLUME	661973.974	4273580.500	82.27	
L0160737	VOLUME	661974.186	4273571.903	82.25	
L0160738	VOLUME	661974.397	4273563.305	82.22	
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L0160740	VOLUME	661974.820	4273546.110	82.19	
L0160741	VOLUME	661975.032	4273537.513	82.19	
L0160742	VOLUME	661975.243	4273528.916	82.19	
L0160743	VOLUME	661975.454	4273520.318	82.20	
L0160744	VOLUME	661975.666	4273511.721	82.25	
L0160745	VOLUME	661975.877	4273503.123	82.30	
L0160746	VOLUME	661976.089	4273494.526	82.35	
L0160747	VOLUME	661976.300	4273485.929	82.29	
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L0160749	VOLUME	661976.723	4273468.734	82.00	
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L0160755	VOLUME	661977.991	4273417.149	80.47	
L0160756	VOLUME	661978.203	4273408.552	80.41	
L0160757	VOLUME	661978.414	4273399.955	80.35	
L0160758	VOLUME	661978.626	4273391.357	80.26	
L0160759	VOLUME	661978.837	4273382.760	80.16	
L0160760	VOLUME	661979.048	4273374.162	80.06	
L0160761	VOLUME	661979.260	4273365.565	79.93	
L0160762	VOLUME	661979.471	4273356.968	79.69	

LOCATION	L0160763	VOLUME	661979.683	4273348.370	79.45
LOCATION	L0160764	VOLUME	661979.894	4273339.773	79.22
LOCATION	L0160765	VOLUME	661980.105	4273331.175	79.33
LOCATION	L0160766	VOLUME	661980.317	4273322.578	79.66
LOCATION	L0160767	VOLUME	661980.528	4273313.981	79.98
LOCATION	L0160768	VOLUME	661980.740	4273305.383	80.28
LOCATION	L0160769	VOLUME	661980.951	4273296.786	79.88
LOCATION	L0160770	VOLUME	661981.162	4273288.188	79.48
LOCATION	L0160771	VOLUME	661981.374	4273279.591	79.08
LOCATION	L0160772	VOLUME	661981.585	4273270.994	78.49
LOCATION	L0160773	VOLUME	661981.797	4273262.396	77.65
LOCATION	L0160774	VOLUME	661982.008	4273253.799	76.81
LOCATION	L0160775	VOLUME	661982.219	4273245.201	75.98
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LOCATION	L0160779	VOLUME	661983.065	4273210.812	73.66
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LOCATION	L0160786	VOLUME	661984.545	4273150.630	71.47
LOCATION	L0160787	VOLUME	661984.756	4273142.032	71.14
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LOCATION	L0160790	VOLUME	661985.391	4273116.240	70.19
LOCATION	L0160791	VOLUME	661985.602	4273107.643	69.88
LOCATION	L0160792	VOLUME	661985.813	4273099.045	69.57
LOCATION	L0160793	VOLUME	661986.025	4273090.448	69.26
LOCATION	L0160794	VOLUME	661986.236	4273081.851	69.00
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LOCATION	L0160797	VOLUME	661986.871	4273056.058	68.24
LOCATION	L0160798	VOLUME	661987.082	4273047.461	68.06
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LOCATION	L0160801	VOLUME	661987.716	4273021.669	67.58
LOCATION	L0160802	VOLUME	661987.928	4273013.071	67.49
LOCATION	L0160803	VOLUME	661988.139	4273004.474	67.41
LOCATION	L0160804	VOLUME	661988.350	4272995.877	67.32
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LOCATION	L0160806	VOLUME	661988.773	4272978.682	67.12
LOCATION	L0160807	VOLUME	661988.985	4272970.084	67.02
LOCATION	L0160808	VOLUME	661989.196	4272961.487	66.91
LOCATION	L0160809	VOLUME	661989.407	4272952.890	66.81
LOCATION	L0160810	VOLUME	661989.619	4272944.292	66.70
LOCATION	L0160811	VOLUME	661989.830	4272935.695	66.60
LOCATION	L0160812	VOLUME	661990.042	4272927.097	66.52

LOCATION	L0160813	VOLUME	661990.253	4272918.500	66.45
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LOCATION	L0160821	VOLUME	661921.679	4272917.225	67.98
LOCATION	L0160822	VOLUME	661913.080	4272917.091	68.51
LOCATION	L0160823	VOLUME	661904.481	4272916.958	68.98
LOCATION	L0160824	VOLUME	661895.882	4272916.825	69.35
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LOCATION	L0160827	VOLUME	661870.085	4272916.425	69.96
LOCATION	L0160828	VOLUME	661861.486	4272916.291	70.01
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LOCATION	L0160830	VOLUME	661844.288	4272916.025	69.95
LOCATION	L0160831	VOLUME	661835.689	4272915.891	69.92
LOCATION	L0160832	VOLUME	661827.090	4272915.758	69.99
LOCATION	L0160833	VOLUME	661818.491	4272915.625	70.07
LOCATION	L0160834	VOLUME	661809.892	4272915.491	70.17
LOCATION	L0160835	VOLUME	661801.293	4272915.358	70.40
LOCATION	L0160836	VOLUME	661792.694	4272915.225	70.62
LOCATION	L0160837	VOLUME	661784.095	4272915.091	70.88
LOCATION	L0160838	VOLUME	661775.496	4272914.958	71.22
LOCATION	L0160839	VOLUME	661766.898	4272914.825	71.57
LOCATION	L0160840	VOLUME	661758.299	4272914.692	72.03
LOCATION	L0160841	VOLUME	661749.700	4272914.558	72.61
LOCATION	L0160842	VOLUME	661741.101	4272914.425	73.19
LOCATION	L0160843	VOLUME	661732.502	4272914.292	73.91
LOCATION	L0160844	VOLUME	661723.903	4272914.158	74.69
LOCATION	L0160845	VOLUME	661715.304	4272914.025	75.47
LOCATION	L0160846	VOLUME	661706.705	4272913.892	76.05
LOCATION	L0160847	VOLUME	661698.106	4272913.758	76.61
LOCATION	L0160848	VOLUME	661689.507	4272913.625	77.16
LOCATION	L0160849	VOLUME	661680.908	4272913.492	77.70
LOCATION	L0160850	VOLUME	661672.309	4272913.358	78.24
LOCATION	L0160851	VOLUME	661663.710	4272913.225	78.83
LOCATION	L0160852	VOLUME	661655.111	4272913.092	79.57
LOCATION	L0160853	VOLUME	661646.512	4272912.958	80.31
LOCATION	L0160854	VOLUME	661637.913	4272912.825	81.16
LOCATION	L0160855	VOLUME	661629.314	4272912.692	82.17
LOCATION	L0160856	VOLUME	661620.715	4272912.558	83.18
LOCATION	L0160857	VOLUME	661612.116	4272912.425	84.21
LOCATION	L0160858	VOLUME	661603.517	4272912.292	85.28
LOCATION	L0160859	VOLUME	661594.918	4272912.158	86.34
LOCATION	L0160860	VOLUME	661586.319	4272912.025	87.41
LOCATION	L0160861	VOLUME	661577.720	4272911.892	88.49
LOCATION	L0160862	VOLUME	661569.121	4272911.759	89.58



LOCATION	L0160863	VOLUME	661560.522	4272911.625	90.54
LOCATION	L0160864	VOLUME	661551.923	4272911.492	91.51
LOCATION	L0160865	VOLUME	661543.324	4272911.359	92.43
LOCATION	L0160866	VOLUME	661534.725	4272911.225	93.16
LOCATION	L0160867	VOLUME	661526.126	4272911.092	93.89
LOCATION	L0160868	VOLUME	661517.527	4272910.959	94.50
LOCATION	L0160869	VOLUME	661508.929	4272910.825	94.88
LOCATION	L0160870	VOLUME	661500.330	4272910.692	95.27
LOCATION	L0160871	VOLUME	661491.731	4272910.559	95.51
LOCATION	L0160872	VOLUME	661483.132	4272910.425	95.63
LOCATION	L0160873	VOLUME	661474.533	4272910.292	95.76
LOCATION	L0160874	VOLUME	661465.934	4272910.159	95.80
LOCATION	L0160875	VOLUME	661457.335	4272910.025	95.82
LOCATION	L0160876	VOLUME	661448.736	4272909.892	95.84
LOCATION	L0160877	VOLUME	661440.137	4272909.759	95.41
LOCATION	L0160878	VOLUME	661431.538	4272909.625	94.94
LOCATION	L0160879	VOLUME	661422.939	4272909.492	94.39
LOCATION	L0160880	VOLUME	661414.340	4272909.359	93.15
LOCATION	L0160881	VOLUME	661405.741	4272909.226	91.92
LOCATION	L0160882	VOLUME	661397.142	4272909.092	91.03
LOCATION	L0160883	VOLUME	661388.543	4272908.959	91.02
LOCATION	L0160884	VOLUME	661379.944	4272908.826	91.01
LOCATION	L0160885	VOLUME	661371.345	4272908.692	91.48
LOCATION	L0160886	VOLUME	661362.746	4272908.559	92.48
LOCATION	L0160887	VOLUME	661354.147	4272908.426	93.48
LOCATION	L0160888	VOLUME	661345.548	4272908.292	94.12
LOCATION	L0160889	VOLUME	661336.949	4272908.159	94.56
LOCATION	L0160890	VOLUME	661328.350	4272908.026	95.00
LOCATION	L0160891	VOLUME	661319.751	4272907.892	94.48
LOCATION	L0160892	VOLUME	661311.152	4272907.759	93.78
LOCATION	L0160893	VOLUME	661302.553	4272907.626	93.08
LOCATION	L0160894	VOLUME	661293.954	4272907.492	92.29
LOCATION	L0160895	VOLUME	661285.355	4272907.359	91.50
LOCATION	L0160896	VOLUME	661276.756	4272907.226	90.73
LOCATION	L0160897	VOLUME	661268.157	4272907.092	90.03
LOCATION	L0160898	VOLUME	661259.559	4272906.959	89.34
LOCATION	L0160899	VOLUME	661250.960	4272906.826	88.56
LOCATION	L0160900	VOLUME	661242.361	4272906.692	87.68
LOCATION	L0160901	VOLUME	661233.762	4272906.559	86.79
LOCATION	L0160902	VOLUME	661225.163	4272906.426	85.63
LOCATION	L0160903	VOLUME	661216.564	4272906.293	84.29
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LOCATION	L0160905	VOLUME	661199.366	4272906.026	82.41
LOCATION	L0160906	VOLUME	661190.767	4272905.893	82.09
LOCATION	L0160907	VOLUME	661182.168	4272905.759	81.78
LOCATION	L0160908	VOLUME	661173.569	4272905.626	82.22
LOCATION	L0160909	VOLUME	661164.970	4272905.493	82.69
LOCATION	L0160910	VOLUME	661156.371	4272905.359	83.24
LOCATION	L0160911	VOLUME	661147.772	4272905.226	84.25
LOCATION	L0160912	VOLUME	661140.099	4272904.226	85.16

LOCATION	L0160913	VOLUME	661140.542	4272895.638	85.27
LOCATION	L0160914	VOLUME	661140.985	4272887.049	85.36
LOCATION	L0160915	VOLUME	661141.427	4272878.461	85.41
LOCATION	L0160916	VOLUME	661141.870	4272869.872	85.46
LOCATION	L0160917	VOLUME	661142.313	4272861.283	85.52
LOCATION	L0160918	VOLUME	661142.756	4272852.695	85.64
LOCATION	L0160919	VOLUME	661143.198	4272844.106	85.81
LOCATION	L0160920	VOLUME	661143.641	4272835.518	86.00
LOCATION	L0160921	VOLUME	661144.084	4272826.929	86.19
LOCATION	L0160922	VOLUME	661144.526	4272818.340	86.17
LOCATION	L0160923	VOLUME	661144.969	4272809.752	86.14
LOCATION	L0160924	VOLUME	661145.412	4272801.163	86.11
LOCATION	L0160925	VOLUME	661145.855	4272792.575	86.12
LOCATION	L0160926	VOLUME	661146.297	4272783.986	86.18
LOCATION	L0160927	VOLUME	661146.740	4272775.397	86.23
LOCATION	L0160928	VOLUME	661147.183	4272766.809	86.29
LOCATION	L0160929	VOLUME	661147.625	4272758.220	86.42
LOCATION	L0160930	VOLUME	661148.068	4272749.632	86.56
LOCATION	L0160931	VOLUME	661148.511	4272741.043	86.70
LOCATION	L0160932	VOLUME	661148.954	4272732.454	86.90
LOCATION	L0160933	VOLUME	661149.396	4272723.866	87.45
LOCATION	L0160934	VOLUME	661149.839	4272715.277	88.01
LOCATION	L0160935	VOLUME	661150.282	4272706.689	88.57
LOCATION	L0160936	VOLUME	661150.724	4272698.100	88.82
LOCATION	L0160937	VOLUME	661151.167	4272689.511	88.82
LOCATION	L0160938	VOLUME	661151.610	4272680.923	88.83
LOCATION	L0160939	VOLUME	661152.053	4272672.334	88.83
LOCATION	L0160940	VOLUME	661152.495	4272663.746	88.62
LOCATION	L0160941	VOLUME	661152.938	4272655.157	88.41
LOCATION	L0160942	VOLUME	661153.381	4272646.568	88.20
LOCATION	L0160943	VOLUME	661153.823	4272637.980	87.98
LOCATION	L0160944	VOLUME	661154.266	4272629.391	87.74
LOCATION	L0160945	VOLUME	661154.709	4272620.803	87.50
LOCATION	L0160946	VOLUME	661155.152	4272612.214	87.27
LOCATION	L0160947	VOLUME	661155.594	4272603.625	86.74
LOCATION	L0160948	VOLUME	661156.037	4272595.037	86.14
LOCATION	L0160949	VOLUME	661156.480	4272586.448	85.53
LOCATION	L0160950	VOLUME	661156.922	4272577.860	84.98
LOCATION	L0160951	VOLUME	661157.365	4272569.271	84.69
LOCATION	L0160952	VOLUME	661157.808	4272560.682	84.41
LOCATION	L0160953	VOLUME	661158.250	4272552.094	84.12
LOCATION	L0160954	VOLUME	661158.693	4272543.505	84.49
LOCATION	L0160955	VOLUME	661159.136	4272534.917	85.25
LOCATION	L0160956	VOLUME	661159.579	4272526.328	86.02
LOCATION	L0160957	VOLUME	661160.021	4272517.740	86.78
LOCATION	L0160958	VOLUME	661160.464	4272509.151	87.35
LOCATION	L0160959	VOLUME	661160.907	4272500.562	87.91
LOCATION	L0160960	VOLUME	661161.349	4272491.974	88.46
LOCATION	L0160961	VOLUME	661161.792	4272483.385	88.72
LOCATION	L0160962	VOLUME	661162.235	4272474.797	88.62

LOCATION	L0160963	VOLUME	661162.678	4272466.208	88.52
LOCATION	L0160964	VOLUME	661163.120	4272457.619	88.42
LOCATION	L0160965	VOLUME	661163.563	4272449.031	88.35
LOCATION	L0160966	VOLUME	661164.006	4272440.442	88.28
LOCATION	L0160967	VOLUME	661164.448	4272431.854	88.20
LOCATION	L0160968	VOLUME	661164.891	4272423.265	88.18
LOCATION	L0160969	VOLUME	661165.334	4272414.676	88.33
LOCATION	L0160970	VOLUME	661165.777	4272406.088	88.47
LOCATION	L0160971	VOLUME	661166.219	4272397.499	88.61
LOCATION	L0160972	VOLUME	661166.662	4272388.911	88.67
LOCATION	L0160973	VOLUME	661167.105	4272380.322	88.68
LOCATION	L0160974	VOLUME	661167.547	4272371.733	88.70
LOCATION	L0160975	VOLUME	661167.990	4272363.145	88.71
LOCATION	L0160976	VOLUME	661168.433	4272354.556	88.66
LOCATION	L0160977	VOLUME	661168.876	4272345.968	88.60
LOCATION	L0160978	VOLUME	661169.318	4272337.379	88.55
LOCATION	L0160979	VOLUME	661169.761	4272328.790	88.57
LOCATION	L0160980	VOLUME	661170.204	4272320.202	88.67
LOCATION	L0160981	VOLUME	661170.646	4272311.613	88.77
LOCATION	L0160982	VOLUME	661171.089	4272303.025	88.88
LOCATION	L0160983	VOLUME	661171.532	4272294.436	89.32
LOCATION	L0160984	VOLUME	661171.975	4272285.847	89.77
LOCATION	L0160985	VOLUME	661172.417	4272277.259	90.23
LOCATION	L0160986	VOLUME	661172.860	4272268.670	90.55
LOCATION	L0160987	VOLUME	661178.736	4272265.621	90.16
LOCATION	L0160988	VOLUME	661187.332	4272265.343	89.53
LOCATION	L0160989	VOLUME	661195.927	4272265.066	88.90
LOCATION	L0160990	VOLUME	661204.523	4272264.789	88.29
LOCATION	L0160991	VOLUME	661213.118	4272264.511	87.68
LOCATION	L0160992	VOLUME	661221.714	4272264.234	87.14
LOCATION	L0160993	VOLUME	661230.309	4272263.957	86.72
LOCATION	L0160994	VOLUME	661238.905	4272263.680	86.30
LOCATION	L0160995	VOLUME	661247.500	4272263.402	85.76
LOCATION	L0160996	VOLUME	661256.096	4272263.125	85.10
LOCATION	L0160997	VOLUME	661264.691	4272262.848	84.44
LOCATION	L0160998	VOLUME	661273.287	4272262.571	83.93
LOCATION	L0160999	VOLUME	661281.882	4272262.293	83.50
LOCATION	L0161000	VOLUME	661290.478	4272262.016	83.06
LOCATION	L0161001	VOLUME	661299.073	4272261.739	82.65
LOCATION	L0161002	VOLUME	661307.669	4272261.461	82.23
LOCATION	L0161003	VOLUME	661316.264	4272261.184	81.82
LOCATION	L0161004	VOLUME	661324.860	4272260.907	81.43
LOCATION	L0161005	VOLUME	661333.456	4272260.630	81.04
LOCATION	L0161006	VOLUME	661342.051	4272260.352	80.67
LOCATION	L0161007	VOLUME	661350.647	4272260.075	80.36
LOCATION	L0161008	VOLUME	661359.242	4272259.798	80.04
LOCATION	L0161009	VOLUME	661367.838	4272259.521	79.68
LOCATION	L0161010	VOLUME	661376.433	4272259.243	79.23
LOCATION	L0161011	VOLUME	661385.029	4272258.966	78.78
LOCATION	L0161012	VOLUME	661393.624	4272258.689	78.35

LOCATION	L0161013	VOLUME	661402.220	4272258.411	77.94
LOCATION	L0161014	VOLUME	661410.815	4272258.134	77.54
LOCATION	L0161015	VOLUME	661419.411	4272257.857	77.13
LOCATION	L0161016	VOLUME	661428.006	4272257.580	76.72
LOCATION	L0161017	VOLUME	661436.602	4272257.302	76.30
LOCATION	L0161018	VOLUME	661445.197	4272257.025	75.81
LOCATION	L0161019	VOLUME	661453.793	4272256.748	75.31
LOCATION	L0161020	VOLUME	661462.388	4272256.470	74.84
LOCATION	L0161021	VOLUME	661470.984	4272256.193	74.57
LOCATION	L0161022	VOLUME	661479.580	4272255.916	74.30
LOCATION	L0161023	VOLUME	661488.175	4272255.639	74.12
LOCATION	L0161024	VOLUME	661496.771	4272255.361	74.13
LOCATION	L0161025	VOLUME	661505.366	4272255.084	74.15
LOCATION	L0161026	VOLUME	661513.962	4272254.807	74.09
LOCATION	L0161027	VOLUME	661522.557	4272254.530	73.94
LOCATION	L0161028	VOLUME	661531.153	4272254.252	73.80
LOCATION	L0161029	VOLUME	661539.748	4272253.975	73.72
LOCATION	L0161030	VOLUME	661548.344	4272253.698	73.67
LOCATION	L0161031	VOLUME	661556.939	4272253.420	73.62
LOCATION	L0161032	VOLUME	661565.535	4272253.143	73.68
LOCATION	L0161033	VOLUME	661574.130	4272252.866	73.76
LOCATION	L0161034	VOLUME	661581.679	4272251.531	73.87
LOCATION	L0161035	VOLUME	661582.037	4272242.939	74.07
LOCATION	L0161036	VOLUME	661582.395	4272234.346	74.19
LOCATION	L0161037	VOLUME	661582.753	4272225.754	74.30
LOCATION	L0161038	VOLUME	661583.111	4272217.161	74.40
LOCATION	L0161039	VOLUME	661583.469	4272208.569	74.38
LOCATION	L0161040	VOLUME	661583.827	4272199.976	74.36
LOCATION	L0161041	VOLUME	661584.185	4272191.384	74.33
LOCATION	L0161042	VOLUME	661584.543	4272182.791	74.29
LOCATION	L0161043	VOLUME	661584.901	4272174.198	74.24
LOCATION	L0161044	VOLUME	661585.259	4272165.606	74.18
LOCATION	L0161045	VOLUME	661585.617	4272157.013	74.12
LOCATION	L0161046	VOLUME	661585.975	4272148.421	74.06
LOCATION	L0161047	VOLUME	661586.333	4272139.828	74.01
LOCATION	L0161048	VOLUME	661586.691	4272131.236	73.96
LOCATION	L0161049	VOLUME	661587.049	4272122.643	73.88
LOCATION	L0161050	VOLUME	661587.407	4272114.051	73.78
LOCATION	L0161051	VOLUME	661587.765	4272105.458	73.68
LOCATION	L0161052	VOLUME	661588.123	4272096.866	73.58
LOCATION	L0161053	VOLUME	661588.481	4272088.273	73.42
LOCATION	L0161054	VOLUME	661588.839	4272079.680	73.24
LOCATION	L0161055	VOLUME	661589.197	4272071.088	73.06
LOCATION	L0161056	VOLUME	661589.555	4272062.495	72.90
LOCATION	L0161057	VOLUME	661589.913	4272053.903	72.80
LOCATION	L0161058	VOLUME	661590.271	4272045.310	72.70
LOCATION	L0161059	VOLUME	661590.629	4272036.718	72.61
LOCATION	L0161060	VOLUME	661590.987	4272028.125	72.44
LOCATION	L0161061	VOLUME	661591.345	4272019.533	72.24
LOCATION	L0161062	VOLUME	661591.703	4272010.940	72.04

LOCATION	L0161063	VOLUME	661592.061	4272002.348	71.84
LOCATION	L0161064	VOLUME	661592.419	4271993.755	71.81
LOCATION	L0161065	VOLUME	661592.777	4271985.163	71.78
LOCATION	L0161066	VOLUME	661593.135	4271976.570	71.75
LOCATION	L0161067	VOLUME	661593.493	4271967.977	71.69
LOCATION	L0161068	VOLUME	661593.851	4271959.385	71.58
LOCATION	L0161069	VOLUME	661594.209	4271950.792	71.48
LOCATION	L0161070	VOLUME	661594.567	4271942.200	71.37
LOCATION	L0161071	VOLUME	661594.925	4271933.607	71.27
LOCATION	L0161072	VOLUME	661595.283	4271925.015	71.18
LOCATION	L0161073	VOLUME	661595.641	4271916.422	71.08
LOCATION	L0161074	VOLUME	661595.999	4271907.830	71.02
LOCATION	L0161075	VOLUME	661596.357	4271899.237	71.07
LOCATION	L0161076	VOLUME	661596.715	4271890.645	71.13
LOCATION	L0161077	VOLUME	661597.073	4271882.052	71.18
LOCATION	L0161078	VOLUME	661597.432	4271873.459	71.17
LOCATION	L0161079	VOLUME	661597.790	4271864.867	71.13
LOCATION	L0161080	VOLUME	661598.148	4271856.274	71.09
LOCATION	L0161081	VOLUME	661598.506	4271847.682	71.04
LOCATION	L0161082	VOLUME	661598.864	4271839.089	70.90
LOCATION	L0161083	VOLUME	661599.222	4271830.497	70.76
LOCATION	L0161084	VOLUME	661599.580	4271821.904	70.62
LOCATION	L0161085	VOLUME	661599.938	4271813.312	70.49
LOCATION	L0161086	VOLUME	661600.296	4271804.719	70.34
LOCATION	L0161087	VOLUME	661600.654	4271796.127	70.20
LOCATION	L0161088	VOLUME	661601.012	4271787.534	70.06
LOCATION	L0161089	VOLUME	661601.370	4271778.941	69.99
LOCATION	L0161090	VOLUME	661601.728	4271770.349	69.93
LOCATION	L0161091	VOLUME	661602.086	4271761.756	69.86
LOCATION	L0161092	VOLUME	661602.444	4271753.164	69.81
LOCATION	L0161093	VOLUME	661602.802	4271744.571	69.79
LOCATION	L0161094	VOLUME	661603.160	4271735.979	69.77
LOCATION	L0161095	VOLUME	661603.518	4271727.386	69.75
LOCATION	L0161096	VOLUME	661603.876	4271718.794	69.62
LOCATION	L0161097	VOLUME	661604.234	4271710.201	69.45
LOCATION	L0161098	VOLUME	661604.592	4271701.609	69.27
LOCATION	L0161099	VOLUME	661604.950	4271693.016	69.09
LOCATION	L0161100	VOLUME	661605.308	4271684.423	68.84
LOCATION	L0161101	VOLUME	661605.666	4271675.831	68.58
LOCATION	L0161102	VOLUME	661606.024	4271667.238	68.33
LOCATION	L0161103	VOLUME	661606.382	4271658.646	68.08
LOCATION	L0161104	VOLUME	661606.740	4271650.053	67.84
LOCATION	L0161105	VOLUME	661607.098	4271641.461	67.59
LOCATION	L0161106	VOLUME	661607.456	4271632.868	67.35
LOCATION	L0161107	VOLUME	661607.814	4271624.276	67.07
LOCATION	L0161108	VOLUME	661608.172	4271615.683	66.80
LOCATION	L0161109	VOLUME	661608.530	4271607.091	66.52
LOCATION	L0161110	VOLUME	661608.888	4271598.498	66.27
LOCATION	L0161111	VOLUME	661609.246	4271589.905	66.06
LOCATION	L0161112	VOLUME	661609.604	4271581.313	65.84

LOCATION	L0161113	VOLUME	661609.962	4271572.720	65.62
LOCATION	L0161114	VOLUME	661610.320	4271564.128	65.43
LOCATION	L0161115	VOLUME	661610.678	4271555.535	65.23
LOCATION	L0161116	VOLUME	661611.036	4271546.943	65.04
LOCATION	L0161117	VOLUME	661611.394	4271538.350	64.89
LOCATION	L0161118	VOLUME	661611.752	4271529.758	64.88
LOCATION	L0161119	VOLUME	661612.110	4271521.165	64.87
LOCATION	L0161120	VOLUME	661612.468	4271512.573	64.87
LOCATION	L0161121	VOLUME	661612.826	4271503.980	64.86
LOCATION	L0161122	VOLUME	661613.185	4271495.387	64.85
LOCATION	L0161123	VOLUME	661613.543	4271486.795	64.83
LOCATION	L0161124	VOLUME	661613.901	4271478.202	64.82
LOCATION	L0161125	VOLUME	661614.259	4271469.610	64.76
LOCATION	L0161126	VOLUME	661615.306	4271461.736	64.73
LOCATION	L0161127	VOLUME	661623.906	4271461.736	64.94
LOCATION	L0161128	VOLUME	661632.506	4271461.736	65.21
LOCATION	L0161129	VOLUME	661641.106	4271461.736	65.48
LOCATION	L0161130	VOLUME	661649.706	4271461.736	65.75
LOCATION	L0161131	VOLUME	661658.306	4271461.736	66.02
LOCATION	L0161132	VOLUME	661666.906	4271461.736	66.29
LOCATION	L0161133	VOLUME	661675.506	4271461.736	66.63
LOCATION	L0161134	VOLUME	661684.106	4271461.736	67.02
LOCATION	L0161135	VOLUME	661692.706	4271461.736	67.42
LOCATION	L0161136	VOLUME	661701.306	4271461.736	67.88
LOCATION	L0161137	VOLUME	661709.906	4271461.736	68.38
LOCATION	L0161138	VOLUME	661718.506	4271461.736	68.87
LOCATION	L0161139	VOLUME	661727.106	4271461.736	69.49
LOCATION	L0161140	VOLUME	661735.706	4271461.736	70.11
LOCATION	L0161141	VOLUME	661744.306	4271461.736	70.78
LOCATION	L0161142	VOLUME	661752.906	4271461.736	71.76
LOCATION	L0161143	VOLUME	661761.506	4271461.736	72.75
LOCATION	L0161144	VOLUME	661770.106	4271461.736	73.94
LOCATION	L0161145	VOLUME	661778.706	4271461.736	75.65
LOCATION	L0161146	VOLUME	661787.306	4271461.736	77.36
LOCATION	L0161147	VOLUME	661795.906	4271461.736	78.88
LOCATION	L0161148	VOLUME	661804.506	4271461.736	80.15
LOCATION	L0161149	VOLUME	661813.106	4271461.736	81.42
LOCATION	L0161150	VOLUME	661821.706	4271461.736	81.51
LOCATION	L0161151	VOLUME	661830.306	4271461.736	80.93
LOCATION	L0161152	VOLUME	661838.906	4271461.736	80.35
LOCATION	L0161153	VOLUME	661847.506	4271461.736	79.12
LOCATION	L0161154	VOLUME	661856.106	4271461.736	77.74
LOCATION	L0161155	VOLUME	661864.706	4271461.736	76.37
LOCATION	L0161156	VOLUME	661873.306	4271461.736	75.41
LOCATION	L0161157	VOLUME	661881.906	4271461.736	74.46
LOCATION	L0161158	VOLUME	661890.506	4271461.736	73.55
LOCATION	L0161159	VOLUME	661899.106	4271461.736	72.84
LOCATION	L0161160	VOLUME	661907.706	4271461.736	72.13
LOCATION	L0161161	VOLUME	661916.306	4271461.736	71.43
LOCATION	L0161162	VOLUME	661924.906	4271461.736	70.73

LOCATION	L0161163	VOLUME	661933.506	4271461.736	70.02
LOCATION	L0161164	VOLUME	661942.106	4271461.736	69.35
LOCATION	L0161165	VOLUME	661950.706	4271461.736	68.68
LOCATION	L0161166	VOLUME	661959.306	4271461.736	68.02
LOCATION	L0161167	VOLUME	661967.906	4271461.736	67.53
LOCATION	L0161168	VOLUME	661976.506	4271461.736	67.09
LOCATION	L0161169	VOLUME	661985.106	4271461.736	66.65
LOCATION	L0161170	VOLUME	661993.706	4271461.736	66.30
LOCATION	L0161171	VOLUME	662002.306	4271461.736	65.96
LOCATION	L0161172	VOLUME	662010.906	4271461.736	65.63
LOCATION	L0161173	VOLUME	662016.702	4271458.852	65.40
LOCATION	L0161174	VOLUME	662016.944	4271450.256	65.33
LOCATION	L0161175	VOLUME	662017.186	4271441.659	65.27
LOCATION	L0161176	VOLUME	662017.427	4271433.063	65.21
LOCATION	L0161177	VOLUME	662017.669	4271424.466	65.14
LOCATION	L0161178	VOLUME	662017.911	4271415.869	65.00
LOCATION	L0161179	VOLUME	662018.152	4271407.273	64.86
LOCATION	L0161180	VOLUME	662018.394	4271398.676	64.72
LOCATION	L0161181	VOLUME	662018.636	4271390.080	64.58
LOCATION	L0161182	VOLUME	662018.877	4271381.483	64.46
LOCATION	L0161183	VOLUME	662019.119	4271372.886	64.34
LOCATION	L0161184	VOLUME	662019.361	4271364.290	64.21
LOCATION	L0161185	VOLUME	662019.602	4271355.693	64.05
LOCATION	L0161186	VOLUME	662019.844	4271347.097	63.89
LOCATION	L0161187	VOLUME	662020.086	4271338.500	63.73
LOCATION	L0161188	VOLUME	662020.327	4271329.903	63.58
LOCATION	L0161189	VOLUME	662020.569	4271321.307	63.45
LOCATION	L0161190	VOLUME	662020.811	4271312.710	63.32
LOCATION	L0161191	VOLUME	662021.052	4271304.114	63.20
LOCATION	L0161192	VOLUME	662021.294	4271295.517	63.08
LOCATION	L0161193	VOLUME	662021.536	4271286.920	62.96
LOCATION	L0161194	VOLUME	662021.777	4271278.324	62.85
LOCATION	L0161195	VOLUME	662022.019	4271269.727	62.74
LOCATION	L0161196	VOLUME	662022.261	4271261.131	62.67
LOCATION	L0161197	VOLUME	662022.502	4271252.534	62.60
LOCATION	L0161198	VOLUME	662022.744	4271243.937	62.53
LOCATION	L0161199	VOLUME	662022.986	4271235.341	62.56
LOCATION	L0161200	VOLUME	662023.227	4271226.744	62.66
LOCATION	L0161201	VOLUME	662023.469	4271218.148	62.75
LOCATION	L0161202	VOLUME	662023.711	4271209.551	62.85
LOCATION	L0161203	VOLUME	662023.952	4271200.954	63.01
LOCATION	L0161204	VOLUME	662024.194	4271192.358	63.18
LOCATION	L0161205	VOLUME	662024.436	4271183.761	63.34
LOCATION	L0161206	VOLUME	662024.678	4271175.165	63.56
LOCATION	L0161207	VOLUME	662024.919	4271166.568	63.87
LOCATION	L0161208	VOLUME	662025.161	4271157.971	64.18
LOCATION	L0161209	VOLUME	662025.403	4271149.375	64.48
LOCATION	L0161210	VOLUME	662025.644	4271140.778	64.79
LOCATION	L0161211	VOLUME	662025.886	4271132.182	65.09
LOCATION	L0161212	VOLUME	662026.128	4271123.585	65.40

LOCATION	L0161213	VOLUME	662026.369	4271114.988	65.63
LOCATION	L0161214	VOLUME	662026.611	4271106.392	65.61
LOCATION	L0161215	VOLUME	662026.853	4271097.795	65.59
LOCATION	L0161216	VOLUME	662027.094	4271089.198	65.58
LOCATION	L0161217	VOLUME	662027.336	4271080.602	65.53
LOCATION	L0161218	VOLUME	662027.578	4271072.005	65.46
LOCATION	L0161219	VOLUME	662027.819	4271063.409	65.39
LOCATION	L0161220	VOLUME	662028.061	4271054.812	65.31
LOCATION	L0161221	VOLUME	662028.303	4271046.215	65.06
LOCATION	L0161222	VOLUME	662028.544	4271037.619	64.81
LOCATION	L0161223	VOLUME	662028.786	4271029.022	64.56
LOCATION	L0161224	VOLUME	662029.028	4271020.426	64.10
LOCATION	L0161225	VOLUME	662029.269	4271011.829	63.41
LOCATION	L0161226	VOLUME	662029.511	4271003.232	62.71
LOCATION	L0161227	VOLUME	662029.753	4270994.636	62.02
LOCATION	L0161228	VOLUME	662029.994	4270986.039	61.33
LOCATION	L0161229	VOLUME	662030.236	4270977.443	60.64
LOCATION	L0161230	VOLUME	662030.478	4270968.846	59.94
LOCATION	L0161231	VOLUME	662030.719	4270960.249	59.32
LOCATION	L0161232	VOLUME	662030.961	4270951.653	58.85
LOCATION	L0161233	VOLUME	662031.203	4270943.056	58.38
LOCATION	L0161234	VOLUME	662031.444	4270934.460	57.91
LOCATION	L0161235	VOLUME	662031.686	4270925.863	57.76
LOCATION	L0161236	VOLUME	662031.928	4270917.266	57.73
LOCATION	L0161237	VOLUME	662032.169	4270908.670	57.70
LOCATION	L0161238	VOLUME	662032.411	4270900.073	57.67
LOCATION	L0161239	VOLUME	662032.653	4270891.477	57.62
LOCATION	L0161240	VOLUME	662032.894	4270882.880	57.57
LOCATION	L0161241	VOLUME	662033.136	4270874.283	57.53
LOCATION	L0161242	VOLUME	662033.378	4270865.687	57.68
LOCATION	L0161243	VOLUME	662033.619	4270857.090	58.00
LOCATION	L0161244	VOLUME	662033.861	4270848.494	58.32
LOCATION	L0161245	VOLUME	662034.103	4270839.897	58.64
LOCATION	L0161246	VOLUME	662034.344	4270831.300	59.00
LOCATION	L0161247	VOLUME	662034.586	4270822.704	59.36
LOCATION	L0161248	VOLUME	662034.828	4270814.107	59.72
LOCATION	L0161249	VOLUME	662035.069	4270805.511	60.02
LOCATION	L0161250	VOLUME	662035.311	4270796.914	60.23
LOCATION	L0161251	VOLUME	662035.553	4270788.317	60.43
LOCATION	L0161252	VOLUME	662035.794	4270779.721	60.64
LOCATION	L0161253	VOLUME	662036.036	4270771.124	60.70
LOCATION	L0161254	VOLUME	662036.278	4270762.528	60.71
LOCATION	L0161255	VOLUME	662036.519	4270753.931	60.73
LOCATION	L0161256	VOLUME	662036.761	4270745.334	60.73
LOCATION	L0161257	VOLUME	662037.003	4270736.738	60.68
LOCATION	L0161258	VOLUME	662037.244	4270728.141	60.63
LOCATION	L0161259	VOLUME	662037.486	4270719.545	60.57
LOCATION	L0161260	VOLUME	662037.728	4270710.948	60.55
LOCATION	L0161261	VOLUME	662037.969	4270702.351	60.54
LOCATION	L0161262	VOLUME	662038.211	4270693.755	60.54



LOCATION	L0161263	VOLUME	662038.453	4270685.158	60.54
LOCATION	L0161264	VOLUME	662038.694	4270676.562	60.72
LOCATION	L0161265	VOLUME	662038.936	4270667.965	60.89
LOCATION	L0161266	VOLUME	662039.178	4270659.368	61.07
LOCATION	L0161267	VOLUME	662039.419	4270650.772	61.25
LOCATION	L0161268	VOLUME	662039.661	4270642.175	61.43
LOCATION	L0161269	VOLUME	662039.903	4270633.578	61.60
LOCATION	L0161270	VOLUME	662040.144	4270624.982	61.78
LOCATION	L0161271	VOLUME	662040.386	4270616.385	61.76
LOCATION	L0161272	VOLUME	662040.628	4270607.789	61.71
LOCATION	L0161273	VOLUME	662040.870	4270599.192	61.66
LOCATION	L0161274	VOLUME	662041.111	4270590.595	61.60
LOCATION	L0161275	VOLUME	662041.353	4270581.999	61.50
LOCATION	L0161276	VOLUME	662041.595	4270573.402	61.41
LOCATION	L0161277	VOLUME	662041.836	4270564.806	61.31
LOCATION	L0161278	VOLUME	662042.078	4270556.209	61.31
LOCATION	L0161279	VOLUME	662042.320	4270547.612	61.35
LOCATION	L0161280	VOLUME	662042.561	4270539.016	61.40
LOCATION	L0161281	VOLUME	662042.803	4270530.419	61.49
LOCATION	L0161282	VOLUME	662043.045	4270521.823	61.99
LOCATION	L0161283	VOLUME	662043.286	4270513.226	62.50
LOCATION	L0161284	VOLUME	662043.528	4270504.629	63.00
LOCATION	L0161285	VOLUME	662043.770	4270496.033	64.16
LOCATION	L0161286	VOLUME	662044.011	4270487.436	65.91
LOCATION	L0161287	VOLUME	662044.253	4270478.840	67.66
LOCATION	L0161288	VOLUME	662044.495	4270470.243	69.41
LOCATION	L0161289	VOLUME	662044.736	4270461.646	70.27
LOCATION	L0161290	VOLUME	662044.978	4270453.050	71.08
LOCATION	L0161291	VOLUME	662045.220	4270444.453	71.89
LOCATION	L0161292	VOLUME	662045.461	4270435.857	72.24
LOCATION	L0161293	VOLUME	662045.703	4270427.260	71.76
LOCATION	L0161294	VOLUME	662045.945	4270418.663	71.27
LOCATION	L0161295	VOLUME	662046.186	4270410.067	70.78
LOCATION	L0161296	VOLUME	662046.428	4270401.470	70.22
LOCATION	L0161297	VOLUME	662046.670	4270392.874	69.64
LOCATION	L0161298	VOLUME	662046.911	4270384.277	69.06
LOCATION	L0161299	VOLUME	662047.153	4270375.680	68.48
LOCATION	L0161300	VOLUME	662047.395	4270367.084	67.95
LOCATION	L0161301	VOLUME	662047.636	4270358.487	67.41
LOCATION	L0161302	VOLUME	662047.878	4270349.891	66.87
LOCATION	L0161303	VOLUME	662048.120	4270341.294	66.36
LOCATION	L0161304	VOLUME	662048.361	4270332.697	65.87
LOCATION	L0161305	VOLUME	662048.603	4270324.101	65.38
LOCATION	L0161306	VOLUME	662048.845	4270315.504	64.89
LOCATION	L0161307	VOLUME	662049.086	4270306.908	64.46
LOCATION	L0161308	VOLUME	662049.328	4270298.311	64.03
LOCATION	L0161309	VOLUME	662049.570	4270289.714	63.60
LOCATION	L0161310	VOLUME	662049.811	4270281.118	63.25
LOCATION	L0161311	VOLUME	662050.053	4270272.521	63.00
LOCATION	L0161312	VOLUME	662050.295	4270263.925	62.75

LOCATION	L0161313	VOLUME	662050.536	4270255.328	62.50
LOCATION	L0161314	VOLUME	662050.778	4270246.731	62.33
LOCATION	L0161315	VOLUME	662051.020	4270238.135	62.17
LOCATION	L0161316	VOLUME	662051.261	4270229.538	62.02
LOCATION	L0161317	VOLUME	662051.503	4270220.942	61.87
LOCATION	L0161318	VOLUME	662051.745	4270212.345	61.74
LOCATION	L0161319	VOLUME	662051.986	4270203.748	61.60
LOCATION	L0161320	VOLUME	662052.228	4270195.152	61.46
LOCATION	L0161321	VOLUME	662052.470	4270186.555	61.33
LOCATION	L0161322	VOLUME	662052.711	4270177.958	61.19
LOCATION	L0161323	VOLUME	662052.953	4270169.362	61.06
LOCATION	L0161324	VOLUME	662053.195	4270160.765	60.94
LOCATION	L0161325	VOLUME	662053.436	4270152.169	60.96
LOCATION	L0161326	VOLUME	662053.678	4270143.572	60.99
LOCATION	L0161327	VOLUME	662053.920	4270134.975	61.01
LOCATION	L0161328	VOLUME	662054.161	4270126.379	61.10
LOCATION	L0161329	VOLUME	662054.403	4270117.782	61.24
LOCATION	L0161330	VOLUME	662054.645	4270109.186	61.39
LOCATION	L0161331	VOLUME	662054.886	4270100.589	61.53
LOCATION	L0161332	VOLUME	662055.128	4270091.992	61.80
LOCATION	L0161333	VOLUME	662055.370	4270083.396	62.07
LOCATION	L0161334	VOLUME	662055.611	4270074.799	62.35
LOCATION	L0161335	VOLUME	662055.853	4270066.203	62.66
LOCATION	L0161336	VOLUME	662056.095	4270057.606	63.08
LOCATION	L0161337	VOLUME	662056.336	4270049.009	63.49
LOCATION	L0161338	VOLUME	662056.578	4270040.413	63.90
LOCATION	L0161339	VOLUME	662056.820	4270031.816	64.48
LOCATION	L0161340	VOLUME	662057.062	4270023.220	65.13
LOCATION	L0161341	VOLUME	662057.303	4270014.623	65.77
LOCATION	L0161342	VOLUME	662057.545	4270006.026	66.47
LOCATION	L0161343	VOLUME	662057.787	4269997.430	67.46
LOCATION	L0161344	VOLUME	662058.028	4269988.833	68.45
LOCATION	L0161345	VOLUME	662058.270	4269980.237	69.44
LOCATION	L0161346	VOLUME	662058.512	4269971.640	70.42
LOCATION	L0161347	VOLUME	662058.753	4269963.043	71.39
LOCATION	L0161348	VOLUME	662058.995	4269954.447	72.35
LOCATION	L0161349	VOLUME	662059.237	4269945.850	73.32
LOCATION	L0161350	VOLUME	662059.478	4269937.254	73.12
LOCATION	L0161351	VOLUME	662059.720	4269928.657	72.91
LOCATION	L0161352	VOLUME	662059.962	4269920.060	72.71
LOCATION	L0161353	VOLUME	662060.203	4269911.464	72.27
LOCATION	L0161354	VOLUME	662060.445	4269902.867	71.50
LOCATION	L0161355	VOLUME	662060.687	4269894.271	70.73
LOCATION	L0161356	VOLUME	662060.928	4269885.674	69.97
LOCATION	L0161357	VOLUME	662061.170	4269877.077	69.83
LOCATION	L0161358	VOLUME	662061.412	4269868.481	69.84
LOCATION	L0161359	VOLUME	662061.653	4269859.884	69.85
LOCATION	L0161360	VOLUME	662061.895	4269851.288	69.85
LOCATION	L0161361	VOLUME	662062.137	4269842.691	69.81
LOCATION	L0161362	VOLUME	662062.378	4269834.094	69.77

LOCATION	L0161363	VOLUME	662062.620	4269825.498	69.74
LOCATION	L0161364	VOLUME	662066.500	4269820.677	70.06
LOCATION	L0161365	VOLUME	662075.100	4269820.752	70.86
LOCATION	L0161366	VOLUME	662083.700	4269820.828	71.60
LOCATION	L0161367	VOLUME	662092.299	4269820.903	72.28
LOCATION	L0161368	VOLUME	662100.899	4269820.978	72.40
LOCATION	L0161369	VOLUME	662109.499	4269821.054	72.52
LOCATION	L0161370	VOLUME	662118.099	4269821.129	72.79
LOCATION	L0161371	VOLUME	662126.698	4269821.205	73.44
LOCATION	L0161372	VOLUME	662135.298	4269821.280	74.09
LOCATION	L0161373	VOLUME	662143.898	4269821.356	74.73
LOCATION	L0161374	VOLUME	662152.497	4269821.431	75.34
LOCATION	L0161375	VOLUME	662161.097	4269821.507	75.96
LOCATION	L0161376	VOLUME	662169.697	4269821.582	76.26
LOCATION	L0161377	VOLUME	662178.296	4269821.657	76.38
LOCATION	L0161378	VOLUME	662186.896	4269821.733	76.50
LOCATION	L0161379	VOLUME	662195.496	4269821.808	76.26
LOCATION	L0161380	VOLUME	662204.095	4269821.884	75.94
LOCATION	L0161381	VOLUME	662212.695	4269821.959	75.61
LOCATION	L0161382	VOLUME	662221.295	4269822.035	74.48
LOCATION	L0161383	VOLUME	662229.894	4269822.110	73.36
LOCATION	L0161384	VOLUME	662238.494	4269822.185	72.22
LOCATION	L0161385	VOLUME	662247.094	4269822.261	71.00
LOCATION	L0161386	VOLUME	662255.693	4269822.336	69.79
LOCATION	L0161387	VOLUME	662264.293	4269822.412	68.61
LOCATION	L0161388	VOLUME	662272.893	4269822.487	67.47
LOCATION	L0161389	VOLUME	662281.492	4269822.563	66.34
LOCATION	L0161390	VOLUME	662290.092	4269822.638	65.34
LOCATION	L0161391	VOLUME	662298.692	4269822.713	64.45
LOCATION	L0161392	VOLUME	662307.291	4269822.789	63.56
LOCATION	L0161393	VOLUME	662315.891	4269822.864	62.82
LOCATION	L0161394	VOLUME	662324.491	4269822.940	62.13
LOCATION	L0161395	VOLUME	662333.090	4269823.015	61.44
LOCATION	L0161396	VOLUME	662341.690	4269823.091	60.67
LOCATION	L0161397	VOLUME	662350.290	4269823.166	59.90
LOCATION	L0161398	VOLUME	662358.889	4269823.242	59.13
LOCATION	L0161399	VOLUME	662367.489	4269823.317	58.38
LOCATION	L0161400	VOLUME	662376.089	4269823.392	57.63
LOCATION	L0161401	VOLUME	662384.688	4269823.468	57.10
LOCATION	L0161402	VOLUME	662393.288	4269823.543	57.05
LOCATION	L0161403	VOLUME	662401.888	4269823.619	57.00
LOCATION	L0161404	VOLUME	662410.487	4269823.694	56.80
LOCATION	L0161405	VOLUME	662419.087	4269823.770	56.46
LOCATION	L0161406	VOLUME	662427.687	4269823.845	56.12
LOCATION	L0161407	VOLUME	662436.286	4269823.920	54.93
LOCATION	L0161408	VOLUME	662444.886	4269823.996	53.34
LOCATION	L0161409	VOLUME	662453.486	4269824.071	51.75
LOCATION	L0161410	VOLUME	662462.085	4269824.147	50.64
LOCATION	L0161411	VOLUME	662470.685	4269824.222	49.62
LOCATION	L0161412	VOLUME	662479.285	4269824.298	48.65

LOCATION	L0161413	VOLUME	662487.884	4269824.373	48.62
LOCATION	L0161414	VOLUME	662496.484	4269824.449	48.60
LOCATION	L0161415	VOLUME	662505.084	4269824.524	48.70
LOCATION	L0161416	VOLUME	662513.683	4269824.599	49.21
LOCATION	L0161417	VOLUME	662522.283	4269824.675	49.72
LOCATION	L0161418	VOLUME	662530.883	4269824.750	50.20
LOCATION	L0161419	VOLUME	662539.482	4269824.826	50.62
LOCATION	L0161420	VOLUME	662548.082	4269824.901	51.04
LOCATION	L0161421	VOLUME	662556.682	4269824.977	51.51
LOCATION	L0161422	VOLUME	662565.281	4269825.052	52.01
LOCATION	L0161423	VOLUME	662573.881	4269825.127	52.50
LOCATION	L0161424	VOLUME	662582.481	4269825.203	53.74
LOCATION	L0161425	VOLUME	662591.080	4269825.278	55.17
LOCATION	L0161426	VOLUME	662599.680	4269825.354	56.59
LOCATION	L0161427	VOLUME	662608.280	4269825.429	58.11
LOCATION	L0161428	VOLUME	662616.879	4269825.505	59.62
LOCATION	L0161429	VOLUME	662625.479	4269825.580	60.98
LOCATION	L0161430	VOLUME	662634.079	4269825.655	61.60
LOCATION	L0161431	VOLUME	662642.678	4269825.731	62.22
LOCATION	L0161432	VOLUME	662651.278	4269825.806	62.59
LOCATION	L0161433	VOLUME	662659.878	4269825.882	62.50
LOCATION	L0161434	VOLUME	662668.477	4269825.957	62.41
LOCATION	L0161435	VOLUME	662677.077	4269826.033	61.94
LOCATION	L0161436	VOLUME	662685.677	4269826.108	61.13
LOCATION	L0161437	VOLUME	662694.276	4269826.184	60.33
LOCATION	L0161438	VOLUME	662702.876	4269826.259	59.45
LOCATION	L0161439	VOLUME	662711.476	4269826.334	58.55
LOCATION	L0161440	VOLUME	662720.075	4269826.410	57.65
LOCATION	L0161441	VOLUME	662728.675	4269826.485	56.88
LOCATION	L0161442	VOLUME	662737.275	4269826.561	56.11
LOCATION	L0161443	VOLUME	662745.874	4269826.636	55.35
LOCATION	L0161444	VOLUME	662754.474	4269826.712	54.52
LOCATION	L0161445	VOLUME	662763.074	4269826.787	53.69
LOCATION	L0161446	VOLUME	662771.673	4269826.862	52.93
LOCATION	L0161447	VOLUME	662780.273	4269826.938	52.33
LOCATION	L0161448	VOLUME	662788.873	4269827.013	51.74
LOCATION	L0161449	VOLUME	662797.472	4269827.089	51.30
LOCATION	L0161450	VOLUME	662806.072	4269827.164	51.03
LOCATION	L0161451	VOLUME	662814.115	4269826.663	50.76
LOCATION	L0161452	VOLUME	662814.345	4269818.066	50.57
LOCATION	L0161453	VOLUME	662814.576	4269809.469	50.38
LOCATION	L0161454	VOLUME	662814.806	4269800.872	50.09
LOCATION	L0161455	VOLUME	662815.036	4269792.275	49.75
LOCATION	L0161456	VOLUME	662815.267	4269783.678	49.41
LOCATION	L0161457	VOLUME	662815.497	4269775.081	49.08
LOCATION	L0161458	VOLUME	662815.727	4269766.485	48.83
LOCATION	L0161459	VOLUME	662815.957	4269757.888	48.57
LOCATION	L0161460	VOLUME	662816.188	4269749.291	48.32
LOCATION	L0161461	VOLUME	662816.418	4269740.694	48.42
LOCATION	L0161462	VOLUME	662816.648	4269732.097	48.84

LOCATION	L0161463	VOLUME	662816.878	4269723.500	49.25
LOCATION	L0161464	VOLUME	662817.109	4269714.903	49.68
LOCATION	L0161465	VOLUME	662817.339	4269706.306	50.33
LOCATION	L0161466	VOLUME	662817.569	4269697.709	51.00
LOCATION	L0161467	VOLUME	662817.800	4269689.112	51.68
LOCATION	L0161468	VOLUME	662818.030	4269680.515	52.01
LOCATION	L0161469	VOLUME	662818.260	4269671.918	51.72
LOCATION	L0161470	VOLUME	662818.490	4269663.322	51.42
LOCATION	L0161471	VOLUME	662818.721	4269654.725	51.13
LOCATION	L0161472	VOLUME	662818.951	4269646.128	50.59
LOCATION	L0161473	VOLUME	662819.181	4269637.531	49.98
LOCATION	L0161474	VOLUME	662819.411	4269628.934	49.36
LOCATION	L0161475	VOLUME	662819.642	4269620.337	48.84
LOCATION	L0161476	VOLUME	662819.872	4269611.740	48.71
LOCATION	L0161477	VOLUME	662820.102	4269603.143	48.57
LOCATION	L0161478	VOLUME	662820.333	4269594.546	48.44
LOCATION	L0161479	VOLUME	662820.563	4269585.949	49.16
LOCATION	L0161480	VOLUME	662820.793	4269577.352	50.44
LOCATION	L0161481	VOLUME	662821.023	4269568.755	51.73
LOCATION	L0161482	VOLUME	662821.254	4269560.159	53.02
LOCATION	L0161483	VOLUME	662821.484	4269551.562	54.56
LOCATION	L0161484	VOLUME	662821.714	4269542.965	56.10
LOCATION	L0161485	VOLUME	662821.944	4269534.368	57.65
LOCATION	L0161486	VOLUME	662822.175	4269525.771	59.19
LOCATION	L0161487	VOLUME	662822.405	4269517.174	60.74
LOCATION	L0161488	VOLUME	662822.635	4269508.577	62.30
LOCATION	L0161489	VOLUME	662822.866	4269499.980	63.85
LOCATION	L0161490	VOLUME	662823.096	4269491.383	65.14
LOCATION	L0161491	VOLUME	662823.326	4269482.786	66.38
LOCATION	L0161492	VOLUME	662823.556	4269474.189	67.63
LOCATION	L0161493	VOLUME	662823.787	4269465.592	68.78
LOCATION	L0161494	VOLUME	662824.017	4269456.996	69.70
LOCATION	L0161495	VOLUME	662824.247	4269448.399	70.61
LOCATION	L0161496	VOLUME	662824.477	4269439.802	71.52
LOCATION	L0161497	VOLUME	662824.708	4269431.205	71.92
LOCATION	L0161498	VOLUME	662824.938	4269422.608	72.07
LOCATION	L0161499	VOLUME	662825.168	4269414.011	72.23
LOCATION	L0161500	VOLUME	662825.399	4269405.414	72.29
LOCATION	L0161501	VOLUME	662825.629	4269396.817	71.49
LOCATION	L0161502	VOLUME	662825.859	4269388.220	70.69
LOCATION	L0161503	VOLUME	662826.089	4269379.623	69.88
LOCATION	L0161504	VOLUME	662826.320	4269371.026	68.93
LOCATION	L0161505	VOLUME	662826.550	4269362.429	67.83
LOCATION	L0161506	VOLUME	662826.780	4269353.833	66.73
LOCATION	L0161507	VOLUME	662827.011	4269345.236	65.63
LOCATION	L0161508	VOLUME	662827.241	4269336.639	64.93
LOCATION	L0161509	VOLUME	662827.471	4269328.042	64.27
LOCATION	L0161510	VOLUME	662827.701	4269319.445	63.61
LOCATION	L0161511	VOLUME	662827.932	4269310.848	63.17
LOCATION	L0161512	VOLUME	662828.162	4269302.251	63.16

LOCATION	L0161513	VOLUME	662828.392	4269293.654	63.15
LOCATION	L0161514	VOLUME	662828.622	4269285.057	63.15
LOCATION	L0161515	VOLUME	662828.853	4269276.460	63.54
LOCATION	L0161516	VOLUME	662829.083	4269267.863	64.07
LOCATION	L0161517	VOLUME	662829.313	4269259.266	64.60
LOCATION	L0161518	VOLUME	662829.544	4269250.670	65.16
LOCATION	L0161519	VOLUME	662829.774	4269242.073	65.84
LOCATION	L0161520	VOLUME	662830.004	4269233.476	66.52
LOCATION	L0161521	VOLUME	662830.234	4269224.879	67.20
LOCATION	L0161522	VOLUME	662830.465	4269216.282	67.96
LOCATION	L0161523	VOLUME	662830.695	4269207.685	68.76
LOCATION	L0161524	VOLUME	662830.925	4269199.088	69.57
LOCATION	L0161525	VOLUME	662831.155	4269190.491	70.37
LOCATION	L0161526	VOLUME	662831.386	4269181.894	71.35
LOCATION	L0161527	VOLUME	662831.616	4269173.297	72.32
LOCATION	L0161528	VOLUME	662831.846	4269164.700	73.29
LOCATION	L0161529	VOLUME	662832.077	4269156.103	74.17
LOCATION	L0161530	VOLUME	662832.307	4269147.507	74.92
LOCATION	L0161531	VOLUME	662832.537	4269138.910	75.67
LOCATION	L0161532	VOLUME	662832.767	4269130.313	76.42
LOCATION	L0161533	VOLUME	662832.998	4269121.716	77.02
LOCATION	L0161534	VOLUME	662833.228	4269113.119	77.59
LOCATION	L0161535	VOLUME	662833.458	4269104.522	78.16
LOCATION	L0161536	VOLUME	662833.688	4269095.925	78.75
LOCATION	L0161537	VOLUME	662835.616	4269089.123	79.17
LOCATION	L0161538	VOLUME	662844.213	4269089.372	78.67
LOCATION	L0161539	VOLUME	662852.809	4269089.622	78.16
LOCATION	L0161540	VOLUME	662861.406	4269089.871	77.65
LOCATION	L0161541	VOLUME	662870.002	4269090.120	77.15
LOCATION	L0161542	VOLUME	662878.598	4269090.369	76.64
LOCATION	L0161543	VOLUME	662887.195	4269090.618	76.53
LOCATION	L0161544	VOLUME	662895.791	4269090.867	76.58
LOCATION	L0161545	VOLUME	662904.388	4269091.117	76.63
LOCATION	L0161546	VOLUME	662912.984	4269091.366	76.88
LOCATION	L0161547	VOLUME	662921.580	4269091.615	77.16
LOCATION	L0161548	VOLUME	662930.177	4269091.864	77.43
LOCATION	L0161549	VOLUME	662938.773	4269092.113	77.60
LOCATION	L0161550	VOLUME	662947.370	4269092.362	77.78
LOCATION	L0161551	VOLUME	662955.966	4269092.612	77.89
LOCATION	L0161552	VOLUME	662964.562	4269092.861	77.82
LOCATION	L0161553	VOLUME	662973.159	4269093.110	77.75
LOCATION	L0161554	VOLUME	662981.755	4269093.359	77.77
LOCATION	L0161555	VOLUME	662990.351	4269093.608	77.89
LOCATION	L0161556	VOLUME	662998.948	4269093.857	78.01
LOCATION	L0161557	VOLUME	663007.544	4269094.107	78.27
LOCATION	L0161558	VOLUME	663016.141	4269094.356	78.62
LOCATION	L0161559	VOLUME	663024.737	4269094.605	78.96
LOCATION	L0161560	VOLUME	663033.333	4269094.854	79.66
LOCATION	L0161561	VOLUME	663041.930	4269095.103	80.45
LOCATION	L0161562	VOLUME	663050.526	4269095.353	81.23

LOCATION	L0161563	VOLUME	663059.123	4269095.602	82.00
LOCATION	L0161564	VOLUME	663067.719	4269095.851	82.76
LOCATION	L0161565	VOLUME	663076.315	4269096.100	83.42
LOCATION	L0161566	VOLUME	663084.912	4269096.349	83.55
LOCATION	L0161567	VOLUME	663093.508	4269096.598	83.69
LOCATION	L0161568	VOLUME	663102.105	4269096.848	83.69
LOCATION	L0161569	VOLUME	663110.701	4269097.097	83.47
LOCATION	L0161570	VOLUME	663119.297	4269097.346	83.25
LOCATION	L0161571	VOLUME	663127.894	4269097.595	82.98
LOCATION	L0161572	VOLUME	663136.490	4269097.844	82.66
LOCATION	L0161573	VOLUME	663145.087	4269098.093	82.34
LOCATION	L0161574	VOLUME	663153.683	4269098.343	81.91
LOCATION	L0161575	VOLUME	663162.279	4269098.592	81.44
LOCATION	L0161576	VOLUME	663170.876	4269098.841	80.97
LOCATION	L0161577	VOLUME	663179.472	4269099.090	80.29
LOCATION	L0161578	VOLUME	663188.068	4269099.339	79.60
LOCATION	L0161579	VOLUME	663196.665	4269099.588	78.91
LOCATION	L0161580	VOLUME	663205.261	4269099.838	78.30
LOCATION	L0161581	VOLUME	663213.858	4269100.087	77.70
LOCATION	L0161582	VOLUME	663222.454	4269100.336	77.10
LOCATION	L0161583	VOLUME	663231.050	4269100.585	76.49
LOCATION	L0161584	VOLUME	663239.647	4269100.834	75.89
LOCATION	L0161585	VOLUME	663248.243	4269101.083	75.31
LOCATION	L0161586	VOLUME	663256.840	4269101.333	74.75
LOCATION	L0161587	VOLUME	663265.436	4269101.582	74.19
LOCATION	L0161588	VOLUME	663274.032	4269101.831	73.84
LOCATION	L0161589	VOLUME	663282.629	4269102.080	73.60
LOCATION	L0161590	VOLUME	663291.225	4269102.329	73.36
LOCATION	L0161591	VOLUME	663299.822	4269102.578	73.92
LOCATION	L0161592	VOLUME	663308.418	4269102.828	74.63
LOCATION	L0161593	VOLUME	663317.014	4269103.077	75.35
LOCATION	L0161594	VOLUME	663325.611	4269103.326	76.45
LOCATION	L0161595	VOLUME	663334.207	4269103.575	77.56
LOCATION	L0161596	VOLUME	663342.803	4269103.824	78.67
LOCATION	L0161597	VOLUME	663351.400	4269104.073	79.77
LOCATION	L0161598	VOLUME	663359.996	4269104.323	80.88
LOCATION	L0161599	VOLUME	663368.593	4269104.572	81.90
LOCATION	L0161600	VOLUME	663377.189	4269104.821	82.78
LOCATION	L0161601	VOLUME	663385.785	4269105.070	83.65
LOCATION	L0161602	VOLUME	663394.382	4269105.319	84.04
LOCATION	L0161603	VOLUME	663402.978	4269105.568	84.07
LOCATION	L0161604	VOLUME	663411.575	4269105.818	84.09
LOCATION	L0161605	VOLUME	663420.171	4269106.067	83.71
LOCATION	L0161606	VOLUME	663428.767	4269106.316	83.20
LOCATION	L0161607	VOLUME	663437.364	4269106.565	82.69
LOCATION	L0161608	VOLUME	663445.960	4269106.814	82.05
LOCATION	L0161609	VOLUME	663454.557	4269107.064	81.41
LOCATION	L0161610	VOLUME	663463.153	4269107.313	80.79
LOCATION	L0161611	VOLUME	663471.749	4269107.562	80.28
LOCATION	L0161612	VOLUME	663480.346	4269107.811	79.77

LOCATION	L0161613	VOLUME	663488.942	4269108.060	79.24
LOCATION	L0161614	VOLUME	663497.538	4269108.309	78.64
LOCATION	L0161615	VOLUME	663506.135	4269108.559	78.04
LOCATION	L0161616	VOLUME	663514.731	4269108.808	77.45
LOCATION	L0161617	VOLUME	663523.328	4269109.057	76.89
LOCATION	L0161618	VOLUME	663531.924	4269109.306	76.32
LOCATION	L0161619	VOLUME	663540.520	4269109.555	75.70
LOCATION	L0161620	VOLUME	663549.117	4269109.804	75.06
LOCATION	L0161621	VOLUME	663557.713	4269110.054	74.41
LOCATION	L0161622	VOLUME	663566.310	4269110.303	73.65
LOCATION	L0161623	VOLUME	663574.906	4269110.552	72.88
LOCATION	L0161624	VOLUME	663583.502	4269110.801	72.11
LOCATION	L0161625	VOLUME	663592.099	4269111.050	71.50
LOCATION	L0161626	VOLUME	663600.695	4269111.299	70.89
LOCATION	L0161627	VOLUME	663609.292	4269111.549	70.32
LOCATION	L0161628	VOLUME	663617.888	4269111.798	69.86
LOCATION	L0161629	VOLUME	663626.484	4269112.047	69.39
LOCATION	L0161630	VOLUME	663635.081	4269112.296	68.86
LOCATION	L0161631	VOLUME	663643.677	4269112.545	68.24
LOCATION	L0161632	VOLUME	663652.273	4269112.794	67.61
LOCATION	L0161633	VOLUME	663660.870	4269113.044	67.02
LOCATION	L0161634	VOLUME	663669.466	4269113.293	66.46
LOCATION	L0161635	VOLUME	663678.063	4269113.542	65.90
LOCATION	L0161636	VOLUME	663686.659	4269113.791	65.49
LOCATION	L0161637	VOLUME	663695.255	4269114.040	65.12
LOCATION	L0161638	VOLUME	663703.852	4269114.289	64.75
LOCATION	L0161639	VOLUME	663712.448	4269114.539	64.58
LOCATION	L0161640	VOLUME	663721.045	4269114.788	64.42
LOCATION	L0161641	VOLUME	663729.641	4269115.037	64.28
LOCATION	L0161642	VOLUME	663738.237	4269115.286	64.22
LOCATION	L0161643	VOLUME	663746.834	4269115.535	64.15
LOCATION	L0161644	VOLUME	663755.430	4269115.784	64.16
LOCATION	L0161645	VOLUME	663764.027	4269116.034	64.32
LOCATION	L0161646	VOLUME	663772.623	4269116.283	64.47
LOCATION	L0161647	VOLUME	663781.219	4269116.532	64.71
LOCATION	L0161648	VOLUME	663789.816	4269116.781	65.02
LOCATION	L0161649	VOLUME	663798.412	4269117.030	65.33
LOCATION	L0161650	VOLUME	663807.008	4269117.280	65.57
LOCATION	L0161651	VOLUME	663815.605	4269117.529	65.77
LOCATION	L0161652	VOLUME	663824.201	4269117.778	65.97
LOCATION	L0161653	VOLUME	663832.798	4269118.027	66.13
LOCATION	L0161654	VOLUME	663841.394	4269118.276	66.29
LOCATION	L0161655	VOLUME	663849.990	4269118.525	66.42
LOCATION	L0161656	VOLUME	663858.587	4269118.775	66.36
LOCATION	L0161657	VOLUME	663867.183	4269119.024	66.31
LOCATION	L0161658	VOLUME	663875.780	4269119.273	66.28
LOCATION	L0161659	VOLUME	663884.376	4269119.522	66.36
LOCATION	L0161660	VOLUME	663892.972	4269119.771	66.43
LOCATION	L0161661	VOLUME	663901.569	4269120.020	66.34
LOCATION	L0161662	VOLUME	663910.165	4269120.270	66.07



LOCATION	L0161663	VOLUME	663918.762	4269120.519	65.80
LOCATION	L0161664	VOLUME	663927.358	4269120.768	65.72
LOCATION	L0161665	VOLUME	663935.954	4269121.017	65.74
LOCATION	L0161666	VOLUME	663944.551	4269121.266	65.77
LOCATION	L0161667	VOLUME	663953.147	4269121.515	65.81
LOCATION	L0161668	VOLUME	663961.744	4269121.765	65.86
LOCATION	L0161669	VOLUME	663970.340	4269122.014	65.91
LOCATION	L0161670	VOLUME	663978.936	4269122.263	65.64
LOCATION	L0161671	VOLUME	663987.533	4269122.512	65.38
LOCATION	L0161672	VOLUME	663996.129	4269122.761	65.08
LOCATION	L0161673	VOLUME	664004.725	4269123.010	64.60
LOCATION	L0161674	VOLUME	664013.322	4269123.260	64.12
LOCATION	L0161675	VOLUME	664021.918	4269123.509	63.64
LOCATION	L0161676	VOLUME	664030.515	4269123.758	63.13
LOCATION	L0161677	VOLUME	664039.111	4269124.007	62.63
LOCATION	L0161678	VOLUME	664047.707	4269124.256	61.92
LOCATION	L0161679	VOLUME	664056.304	4269124.505	61.07
LOCATION	L0161680	VOLUME	664064.900	4269124.755	60.21
LOCATION	L0161681	VOLUME	664073.497	4269125.004	58.98
LOCATION	L0161682	VOLUME	664082.093	4269125.253	57.63
LOCATION	L0161683	VOLUME	664090.689	4269125.502	56.28
LOCATION	L0161684	VOLUME	664099.286	4269125.751	55.22
LOCATION	L0161685	VOLUME	664107.882	4269126.000	54.17
LOCATION	L0161686	VOLUME	664116.479	4269126.250	53.20
LOCATION	L0161687	VOLUME	664125.075	4269126.499	52.85
LOCATION	L0161688	VOLUME	664133.671	4269126.748	52.49
LOCATION	L0161689	VOLUME	664142.268	4269126.997	52.23
LOCATION	L0161690	VOLUME	664150.864	4269127.246	52.18
LOCATION	L0161691	VOLUME	664159.460	4269127.496	52.13
LOCATION	L0161692	VOLUME	664168.057	4269127.745	52.02
LOCATION	L0161693	VOLUME	664176.653	4269127.994	51.84
LOCATION	L0161694	VOLUME	664185.250	4269128.243	51.66
LOCATION	L0161695	VOLUME	664193.846	4269128.492	51.66
LOCATION	L0161696	VOLUME	664202.442	4269128.741	51.74
LOCATION	L0161697	VOLUME	664211.039	4269128.991	51.82
LOCATION	L0161698	VOLUME	664219.635	4269129.240	51.94
LOCATION	L0161699	VOLUME	664228.232	4269129.489	52.06
LOCATION	L0161700	VOLUME	664236.828	4269129.738	52.21
LOCATION	L0161701	VOLUME	664245.424	4269129.987	52.93
LOCATION	L0161702	VOLUME	664254.021	4269130.236	53.64
LOCATION	L0161703	VOLUME	664262.617	4269130.486	54.50
LOCATION	L0161704	VOLUME	664271.214	4269130.735	55.89
LOCATION	L0161705	VOLUME	664279.810	4269130.984	57.27
LOCATION	L0161706	VOLUME	664288.406	4269131.233	58.75
LOCATION	L0161707	VOLUME	664297.003	4269131.482	60.38
LOCATION	L0161708	VOLUME	664305.599	4269131.731	62.02
LOCATION	L0161709	VOLUME	664314.195	4269131.981	63.62
LOCATION	L0161710	VOLUME	664322.792	4269132.230	65.20
LOCATION	L0161711	VOLUME	664331.388	4269132.479	66.77
LOCATION	L0161712	VOLUME	664339.985	4269132.728	67.79

LOCATION	L0161713	VOLUME	664348.581	4269132.977	68.65
LOCATION	L0161714	VOLUME	664357.177	4269133.226	69.50
LOCATION	L0161715	VOLUME	664365.774	4269133.476	69.52
LOCATION	L0161716	VOLUME	664374.370	4269133.725	69.50
LOCATION	L0161717	VOLUME	664382.967	4269133.974	69.44
LOCATION	L0161718	VOLUME	664391.563	4269134.223	69.10
LOCATION	L0161719	VOLUME	664400.159	4269134.472	68.76
LOCATION	L0161720	VOLUME	664408.756	4269134.721	68.35
LOCATION	L0161721	VOLUME	664417.352	4269134.971	67.83
LOCATION	L0161722	VOLUME	664425.949	4269135.220	67.30
LOCATION	L0161723	VOLUME	664434.545	4269135.469	66.69
LOCATION	L0161724	VOLUME	664443.141	4269135.718	65.98
LOCATION	L0161725	VOLUME	664451.738	4269135.967	65.28
LOCATION	L0161726	VOLUME	664460.334	4269136.216	64.79
LOCATION	L0161727	VOLUME	664468.930	4269136.466	64.40
LOCATION	L0161728	VOLUME	664477.527	4269136.715	64.01
LOCATION	L0161729	VOLUME	664486.123	4269136.964	64.09
LOCATION	L0161730	VOLUME	664494.720	4269137.213	64.24
LOCATION	L0161731	VOLUME	664503.316	4269137.462	64.42
LOCATION	L0161732	VOLUME	664511.912	4269137.712	64.92
LOCATION	L0161733	VOLUME	664520.509	4269137.961	65.42
LOCATION	L0161734	VOLUME	664529.105	4269138.210	65.97
LOCATION	L0161735	VOLUME	664537.702	4269138.459	66.65
LOCATION	L0161736	VOLUME	664546.298	4269138.708	67.33
LOCATION	L0161737	VOLUME	664554.894	4269138.957	67.94
LOCATION	L0161738	VOLUME	664563.491	4269139.207	68.46
LOCATION	L0161739	VOLUME	664572.087	4269139.456	68.98
LOCATION	L0161740	VOLUME	664580.684	4269139.705	69.48
LOCATION	L0161741	VOLUME	664589.280	4269139.954	69.97
LOCATION	L0161742	VOLUME	664597.876	4269140.203	70.46
LOCATION	L0161743	VOLUME	664606.473	4269140.452	71.23
LOCATION	L0161744	VOLUME	664615.069	4269140.702	72.08
LOCATION	L0161745	VOLUME	664623.666	4269140.951	72.92
LOCATION	L0161746	VOLUME	664632.262	4269141.200	74.07
LOCATION	L0161747	VOLUME	664640.858	4269141.449	75.21
LOCATION	L0161748	VOLUME	664649.455	4269141.698	76.33
LOCATION	L0161749	VOLUME	664658.051	4269141.947	77.29
LOCATION	L0161750	VOLUME	664666.647	4269142.197	78.25
LOCATION	L0161751	VOLUME	664675.244	4269142.446	79.07
LOCATION	L0161752	VOLUME	664683.840	4269142.695	79.65
LOCATION	L0161753	VOLUME	664692.437	4269142.944	80.23
LOCATION	L0161754	VOLUME	664701.033	4269143.193	80.68
LOCATION	L0161755	VOLUME	664709.629	4269143.442	81.00
LOCATION	L0161756	VOLUME	664718.226	4269143.692	81.33
LOCATION	L0161757	VOLUME	664726.822	4269143.941	81.14
LOCATION	L0161758	VOLUME	664735.419	4269144.190	80.77
LOCATION	L0161759	VOLUME	664744.015	4269144.439	80.39
LOCATION	L0161760	VOLUME	664752.611	4269144.688	79.63
LOCATION	L0161761	VOLUME	664761.208	4269144.937	78.84
LOCATION	L0161762	VOLUME	664769.804	4269145.187	78.06

LOCATION	L0161763	VOLUME	664778.401	4269145.436	77.35
LOCATION	L0161764	VOLUME	664786.997	4269145.685	76.65
LOCATION	L0161765	VOLUME	664795.593	4269145.934	75.94
LOCATION	L0161766	VOLUME	664804.190	4269146.183	75.18
LOCATION	L0161767	VOLUME	664812.786	4269146.432	74.43
LOCATION	L0161768	VOLUME	664821.382	4269146.682	74.18
LOCATION	L0161769	VOLUME	664829.979	4269146.931	74.51
LOCATION	L0161770	VOLUME	664838.575	4269147.180	74.83
LOCATION	L0161771	VOLUME	664847.172	4269147.429	75.44
LOCATION	L0161772	VOLUME	664855.768	4269147.678	76.19
LOCATION	L0161773	VOLUME	664864.364	4269147.928	76.94
LOCATION	L0161774	VOLUME	664872.961	4269148.177	76.28
LOCATION	L0161775	VOLUME	664881.557	4269148.426	75.35
LOCATION	L0161776	VOLUME	664890.154	4269148.675	74.44
LOCATION	L0161777	VOLUME	664898.750	4269148.924	74.31
LOCATION	L0161778	VOLUME	664907.346	4269149.173	74.17
LOCATION	L0161779	VOLUME	664915.943	4269149.423	74.19
LOCATION	L0161780	VOLUME	664924.539	4269149.672	74.86
LOCATION	L0161781	VOLUME	664933.136	4269149.921	75.52
LOCATION	L0161782	VOLUME	664941.732	4269150.170	75.78
LOCATION	L0161783	VOLUME	664950.328	4269150.419	75.42
LOCATION	L0161784	VOLUME	664958.925	4269150.668	75.07
LOCATION	L0161785	VOLUME	664967.521	4269150.918	74.96
LOCATION	L0161786	VOLUME	664976.117	4269151.167	75.02
LOCATION	L0161787	VOLUME	664984.714	4269151.416	75.08
LOCATION	L0161788	VOLUME	664993.310	4269151.665	75.65
LOCATION	L0161789	VOLUME	665001.907	4269151.914	76.38
LOCATION	L0161790	VOLUME	665010.503	4269152.163	77.11
LOCATION	L0161791	VOLUME	665019.099	4269152.413	76.72
LOCATION	L0161792	VOLUME	665027.696	4269152.662	76.28
LOCATION	L0161793	VOLUME	665036.292	4269152.911	75.78
LOCATION	L0161794	VOLUME	665044.889	4269153.160	74.96
LOCATION	L0161795	VOLUME	665053.485	4269153.409	74.14
LOCATION	L0161796	VOLUME	665062.081	4269153.658	73.51
LOCATION	L0161797	VOLUME	665070.678	4269153.908	73.28
LOCATION	L0161798	VOLUME	665079.274	4269154.157	73.05
LOCATION	L0161799	VOLUME	665087.871	4269154.406	72.96
LOCATION	L0161800	VOLUME	665096.467	4269154.655	73.00
LOCATION	L0161801	VOLUME	665105.063	4269154.904	73.04
LOCATION	L0161802	VOLUME	665107.051	4269160.935	73.78
LOCATION	L0161803	VOLUME	665106.156	4269169.489	74.85
LOCATION	L0161804	VOLUME	665105.261	4269178.042	75.84
LOCATION	L0161805	VOLUME	665104.366	4269186.595	76.65
LOCATION	L0161806	VOLUME	665103.471	4269195.148	77.51
LOCATION	L0161807	VOLUME	665102.576	4269203.702	78.41
LOCATION	L0161808	VOLUME	665101.681	4269212.255	79.22
LOCATION	L0161809	VOLUME	665100.785	4269220.808	79.96
LOCATION	L0161810	VOLUME	665099.890	4269229.362	80.68
LOCATION	L0161811	VOLUME	665098.995	4269237.915	81.31
LOCATION	L0161812	VOLUME	665098.100	4269246.468	81.34

LOCATION	L0161813	VOLUME	665097.205	4269255.021	81.32
LOCATION	L0161814	VOLUME	665096.310	4269263.575	81.27
LOCATION	L0161815	VOLUME	665095.415	4269272.128	80.85
LOCATION	L0161816	VOLUME	665094.520	4269280.681	80.12
LOCATION	L0161817	VOLUME	665093.625	4269289.235	79.37
LOCATION	L0161818	VOLUME	665092.729	4269297.788	78.61
LOCATION	L0161819	VOLUME	665091.834	4269306.341	77.97
LOCATION	L0161820	VOLUME	665090.939	4269314.894	77.35
LOCATION	L0161821	VOLUME	665090.044	4269323.448	76.73
LOCATION	L0161822	VOLUME	665089.149	4269332.001	76.12
LOCATION	L0161823	VOLUME	665088.254	4269340.554	75.52
LOCATION	L0161824	VOLUME	665087.359	4269349.108	74.93
LOCATION	L0161825	VOLUME	665086.464	4269357.661	74.34
LOCATION	L0161826	VOLUME	665085.569	4269366.214	73.75
LOCATION	L0161827	VOLUME	665084.673	4269374.767	73.15
LOCATION	L0161828	VOLUME	665083.778	4269383.321	72.54
LOCATION	L0161829	VOLUME	665082.883	4269391.874	72.01
LOCATION	L0161830	VOLUME	665081.988	4269400.427	71.95
LOCATION	L0161831	VOLUME	665081.093	4269408.981	71.88
LOCATION	L0161832	VOLUME	665080.198	4269417.534	71.80
LOCATION	L0161833	VOLUME	665079.303	4269426.087	71.96
LOCATION	L0161834	VOLUME	665078.408	4269434.641	72.34
LOCATION	L0161835	VOLUME	665077.513	4269443.194	72.71
LOCATION	L0161836	VOLUME	665076.617	4269451.747	73.08
LOCATION	L0161837	VOLUME	665075.722	4269460.300	73.76
LOCATION	L0161838	VOLUME	665074.827	4269468.854	74.46
LOCATION	L0161839	VOLUME	665073.932	4269477.407	75.15
LOCATION	L0161840	VOLUME	665073.037	4269485.960	75.76
LOCATION	L0161841	VOLUME	665072.142	4269494.514	76.21
LOCATION	L0161842	VOLUME	665071.247	4269503.067	76.66
LOCATION	L0161843	VOLUME	665070.352	4269511.620	77.11
LOCATION	L0161844	VOLUME	665069.457	4269520.173	77.09
LOCATION	L0161845	VOLUME	665068.561	4269528.727	76.93
LOCATION	L0161846	VOLUME	665067.666	4269537.280	76.79
LOCATION	L0161847	VOLUME	665066.771	4269545.833	76.66
LOCATION	L0161848	VOLUME	665065.876	4269554.387	76.38
LOCATION	L0161849	VOLUME	665064.981	4269562.940	76.12
LOCATION	L0161850	VOLUME	665064.086	4269571.493	75.87
LOCATION	L0161851	VOLUME	665063.191	4269580.046	75.49
LOCATION	L0161852	VOLUME	665062.296	4269588.600	75.00
LOCATION	L0161853	VOLUME	665061.401	4269597.153	74.52
LOCATION	L0161854	VOLUME	665060.505	4269605.706	74.04
LOCATION	L0161855	VOLUME	665059.610	4269614.260	73.53
LOCATION	L0161856	VOLUME	665058.715	4269622.813	73.02
LOCATION	L0161857	VOLUME	665057.820	4269631.366	72.52
LOCATION	L0161858	VOLUME	665056.925	4269639.919	72.11
LOCATION	L0161859	VOLUME	665056.030	4269648.473	71.85
LOCATION	L0161860	VOLUME	665055.135	4269657.026	71.61
LOCATION	L0161861	VOLUME	665054.240	4269665.579	71.40
LOCATION	L0161862	VOLUME	665053.345	4269674.133	70.99

LOCATION	L0161863	VOLUME	665052.449	4269682.686	70.48
LOCATION	L0161864	VOLUME	665051.554	4269691.239	69.95
LOCATION	L0161865	VOLUME	665050.659	4269699.793	69.45
LOCATION	L0161866	VOLUME	665049.764	4269708.346	69.14
LOCATION	L0161867	VOLUME	665048.869	4269716.899	68.77
LOCATION	L0161868	VOLUME	665044.672	4269721.614	68.39
LOCATION	L0161869	VOLUME	665036.081	4269721.221	68.08
LOCATION	L0161870	VOLUME	665027.490	4269720.827	67.77
LOCATION	L0161871	VOLUME	665018.899	4269720.434	67.78
LOCATION	L0161872	VOLUME	665010.308	4269720.040	68.08
LOCATION	L0161873	VOLUME	665001.717	4269719.647	68.38
LOCATION	L0161874	VOLUME	664993.126	4269719.253	69.24
LOCATION	L0161875	VOLUME	664984.535	4269718.860	70.32
LOCATION	L0161876	VOLUME	664975.944	4269718.466	71.41
LOCATION	L0161877	VOLUME	664967.353	4269718.073	72.55
LOCATION	L0161878	VOLUME	664958.762	4269717.679	73.70
LOCATION	L0161879	VOLUME	664950.171	4269717.286	74.80
LOCATION	L0161880	VOLUME	664941.580	4269716.892	75.34
LOCATION	L0161881	VOLUME	664932.989	4269716.499	75.87
LOCATION	L0161882	VOLUME	664924.398	4269716.105	76.11
LOCATION	L0161883	VOLUME	664915.807	4269715.712	75.53
LOCATION	L0161884	VOLUME	664907.216	4269715.318	74.94
LOCATION	L0161885	VOLUME	664898.625	4269714.925	74.70
LOCATION	L0161886	VOLUME	664890.034	4269714.531	74.89
LOCATION	L0161887	VOLUME	664881.443	4269714.138	75.07
LOCATION	L0161888	VOLUME	664872.852	4269713.744	75.40
LOCATION	L0161889	VOLUME	664864.261	4269713.351	75.81
LOCATION	L0161890	VOLUME	664855.670	4269712.958	76.22
LOCATION	L0161891	VOLUME	664847.079	4269712.564	75.69
LOCATION	L0161892	VOLUME	664838.488	4269712.171	74.96
LOCATION	L0161893	VOLUME	664829.897	4269711.777	74.22
LOCATION	L0161894	VOLUME	664821.306	4269711.384	73.61
LOCATION	L0161895	VOLUME	664812.715	4269710.990	73.00
LOCATION	L0161896	VOLUME	664804.124	4269710.597	72.43
LOCATION	L0161897	VOLUME	664795.533	4269710.203	72.04
LOCATION	L0161898	VOLUME	664786.942	4269709.810	71.65
LOCATION	L0161899	VOLUME	664778.351	4269709.416	71.46
LOCATION	L0161900	VOLUME	664769.760	4269709.023	71.66
LOCATION	L0161901	VOLUME	664761.169	4269708.629	71.85
LOCATION	L0161902	VOLUME	664752.578	4269708.236	71.94
LOCATION	L0161903	VOLUME	664743.987	4269707.842	71.96
LOCATION	L0161904	VOLUME	664735.396	4269707.449	71.99
LOCATION	L0161905	VOLUME	664726.805	4269707.055	72.16
LOCATION	L0161906	VOLUME	664718.214	4269706.662	72.37
LOCATION	L0161907	VOLUME	664709.623	4269706.268	72.59
LOCATION	L0161908	VOLUME	664701.032	4269705.875	72.73
LOCATION	L0161909	VOLUME	664692.441	4269705.481	72.87
LOCATION	L0161910	VOLUME	664683.850	4269705.088	72.93
LOCATION	L0161911	VOLUME	664675.259	4269704.694	72.54
LOCATION	L0161912	VOLUME	664666.668	4269704.301	72.15

LOCATION	L0161913	VOLUME	664658.077	4269703.907	71.70
LOCATION	L0161914	VOLUME	664649.486	4269703.514	71.09
LOCATION	L0161915	VOLUME	664640.895	4269703.121	70.47
LOCATION	L0161916	VOLUME	664632.305	4269702.727	69.73
LOCATION	L0161917	VOLUME	664623.714	4269702.334	68.85
LOCATION	L0161918	VOLUME	664615.123	4269701.940	67.97
LOCATION	L0161919	VOLUME	664606.532	4269701.547	67.05
LOCATION	L0161920	VOLUME	664597.941	4269701.153	66.12
LOCATION	L0161921	VOLUME	664589.350	4269700.760	65.18
LOCATION	L0161922	VOLUME	664580.759	4269700.366	64.29
LOCATION	L0161923	VOLUME	664572.168	4269699.973	63.40
LOCATION	L0161924	VOLUME	664563.577	4269699.579	62.53
LOCATION	L0161925	VOLUME	664554.986	4269699.186	61.91
LOCATION	L0161926	VOLUME	664546.395	4269698.792	61.30
LOCATION	L0161927	VOLUME	664537.804	4269698.399	60.76
LOCATION	L0161928	VOLUME	664529.213	4269698.005	60.53
LOCATION	L0161929	VOLUME	664520.622	4269697.612	60.30
LOCATION	L0161930	VOLUME	664512.031	4269697.218	60.10
LOCATION	L0161931	VOLUME	664503.440	4269696.825	59.96
LOCATION	L0161932	VOLUME	664494.849	4269696.431	59.82
LOCATION	L0161933	VOLUME	664486.258	4269696.038	60.11
LOCATION	L0161934	VOLUME	664477.667	4269695.644	60.70
LOCATION	L0161935	VOLUME	664469.076	4269695.251	61.29
LOCATION	L0161936	VOLUME	664460.485	4269694.857	62.12
LOCATION	L0161937	VOLUME	664451.894	4269694.464	63.02
LOCATION	L0161938	VOLUME	664443.303	4269694.070	63.93
LOCATION	L0161939	VOLUME	664434.712	4269693.677	64.72
LOCATION	L0161940	VOLUME	664426.121	4269693.283	65.51
LOCATION	L0161941	VOLUME	664417.530	4269692.890	66.34
LOCATION	L0161942	VOLUME	664408.939	4269692.497	67.36
LOCATION	L0161943	VOLUME	664400.348	4269692.103	68.37
LOCATION	L0161944	VOLUME	664391.757	4269691.710	69.21
LOCATION	L0161945	VOLUME	664383.166	4269691.316	69.64
LOCATION	L0161946	VOLUME	664374.575	4269690.923	70.06
LOCATION	L0161947	VOLUME	664365.984	4269690.529	70.15
LOCATION	L0161948	VOLUME	664357.393	4269690.136	69.92
LOCATION	L0161949	VOLUME	664348.802	4269689.742	69.69
LOCATION	L0161950	VOLUME	664340.211	4269689.349	68.96
LOCATION	L0161951	VOLUME	664331.620	4269688.955	68.00
LOCATION	L0161952	VOLUME	664323.029	4269688.562	67.04
LOCATION	L0161953	VOLUME	664314.438	4269688.168	65.99
LOCATION	L0161954	VOLUME	664305.847	4269687.775	64.93
LOCATION	L0161955	VOLUME	664297.256	4269687.381	63.93
LOCATION	L0161956	VOLUME	664288.665	4269686.988	63.91
LOCATION	L0161957	VOLUME	664280.074	4269686.594	63.89
LOCATION	L0161958	VOLUME	664271.483	4269686.201	64.00
LOCATION	L0161959	VOLUME	664262.892	4269685.807	64.53
LOCATION	L0161960	VOLUME	664254.301	4269685.414	65.05
LOCATION	L0161961	VOLUME	664245.710	4269685.020	65.60
LOCATION	L0161962	VOLUME	664237.119	4269684.627	66.21

LOCATION	L0161963	VOLUME	664228.528	4269684.233	66.81
LOCATION	L0161964	VOLUME	664219.937	4269683.840	67.41
LOCATION	L0161965	VOLUME	664211.346	4269683.446	67.99
LOCATION	L0161966	VOLUME	664202.755	4269683.053	68.58
LOCATION	L0161967	VOLUME	664194.164	4269682.660	69.03
LOCATION	L0161968	VOLUME	664185.573	4269682.266	69.43
LOCATION	L0161969	VOLUME	664184.348	4269690.213	69.63
LOCATION	L0161970	VOLUME	664183.678	4269698.787	69.83
LOCATION	L0161971	VOLUME	664183.007	4269707.360	70.03
LOCATION	L0161972	VOLUME	664182.337	4269715.934	70.30
LOCATION	L0161973	VOLUME	664181.666	4269724.508	70.60
LOCATION	L0161974	VOLUME	664180.995	4269733.082	70.91
LOCATION	L0161975	VOLUME	664180.325	4269741.656	71.22
LOCATION	L0161976	VOLUME	664179.654	4269750.229	72.02
LOCATION	L0161977	VOLUME	664178.984	4269758.803	72.86
LOCATION	L0161978	VOLUME	664178.313	4269767.377	73.70
LOCATION	L0161979	VOLUME	664177.643	4269775.951	74.65
LOCATION	L0161980	VOLUME	664176.972	4269784.525	75.81
LOCATION	L0161981	VOLUME	664176.301	4269793.099	76.97
LOCATION	L0161982	VOLUME	664175.631	4269801.672	78.14
LOCATION	L0161983	VOLUME	664174.960	4269810.246	78.10
LOCATION	L0161984	VOLUME	664174.290	4269818.820	77.61
LOCATION	L0161985	VOLUME	664173.619	4269827.394	77.07
LOCATION	L0161986	VOLUME	664172.949	4269835.968	76.37
LOCATION	L0161987	VOLUME	664172.278	4269844.541	75.02
LOCATION	L0161988	VOLUME	664171.607	4269853.115	73.67
LOCATION	L0161989	VOLUME	664170.937	4269861.689	72.34
LOCATION	L0161990	VOLUME	664170.266	4269870.263	71.27
LOCATION	L0161991	VOLUME	664169.596	4269878.837	70.42
LOCATION	L0161992	VOLUME	664168.925	4269887.410	69.57
LOCATION	L0161993	VOLUME	664168.254	4269895.984	68.72
LOCATION	L0161994	VOLUME	664167.584	4269904.558	68.15
LOCATION	L0161995	VOLUME	664166.913	4269913.132	67.59
LOCATION	L0161996	VOLUME	664166.243	4269921.706	67.04
LOCATION	L0161997	VOLUME	664165.572	4269930.280	66.62
LOCATION	L0161998	VOLUME	664164.902	4269938.853	66.42
LOCATION	L0161999	VOLUME	664164.231	4269947.427	66.23
LOCATION	L0162000	VOLUME	664163.560	4269956.001	66.03
LOCATION	L0162001	VOLUME	664162.890	4269964.575	66.28
LOCATION	L0162002	VOLUME	664162.219	4269973.149	66.65
LOCATION	L0162003	VOLUME	664161.549	4269981.722	67.00
LOCATION	L0162004	VOLUME	664160.878	4269990.296	67.43
LOCATION	L0162005	VOLUME	664160.208	4269998.870	68.15
LOCATION	L0162006	VOLUME	664159.537	4270007.444	68.88
LOCATION	L0162007	VOLUME	664158.866	4270016.018	69.60
LOCATION	L0162008	VOLUME	664158.196	4270024.592	70.60
LOCATION	L0162009	VOLUME	664157.525	4270033.165	71.77
LOCATION	L0162010	VOLUME	664156.855	4270041.739	72.95
LOCATION	L0162011	VOLUME	664156.184	4270050.313	74.14
LOCATION	L0162012	VOLUME	664155.513	4270058.887	75.16

LOCATION	L0162013	VOLUME	664154.843	4270067.461	76.17
LOCATION	L0162014	VOLUME	664154.172	4270076.034	77.18
LOCATION	L0162015	VOLUME	664153.502	4270084.608	78.15
LOCATION	L0162016	VOLUME	664152.831	4270093.182	79.09
LOCATION	L0162017	VOLUME	664152.161	4270101.756	80.04
LOCATION	L0162018	VOLUME	664151.490	4270110.330	80.99
LOCATION	L0162019	VOLUME	664150.819	4270118.904	81.89
LOCATION	L0162020	VOLUME	664150.149	4270127.477	82.80
LOCATION	L0162021	VOLUME	664149.478	4270136.051	83.73
LOCATION	L0162022	VOLUME	664148.808	4270144.625	84.54
LOCATION	L0162023	VOLUME	664148.137	4270153.199	84.90
LOCATION	L0162024	VOLUME	664147.467	4270161.773	85.26
LOCATION	L0162025	VOLUME	664146.796	4270170.346	85.63
LOCATION	L0162026	VOLUME	664146.125	4270178.920	85.30
LOCATION	L0162027	VOLUME	664145.455	4270187.494	84.59
LOCATION	L0162028	VOLUME	664144.784	4270196.068	83.90
LOCATION	L0162029	VOLUME	664144.114	4270204.642	83.24
LOCATION	L0162030	VOLUME	664143.443	4270213.216	83.11
LOCATION	L0162031	VOLUME	664142.773	4270221.789	82.98
LOCATION	L0162032	VOLUME	664142.102	4270230.363	82.85
LOCATION	L0162033	VOLUME	664141.431	4270238.937	82.81
LOCATION	L0162034	VOLUME	664140.761	4270247.511	82.86
LOCATION	L0162035	VOLUME	664140.090	4270256.085	82.86
LOCATION	L0162036	VOLUME	664139.420	4270264.658	82.82
LOCATION	L0162037	VOLUME	664138.749	4270273.232	82.09
LOCATION	L0162038	VOLUME	664138.078	4270281.806	81.25
LOCATION	L0162039	VOLUME	664137.408	4270290.380	80.39
LOCATION	L0162040	VOLUME	664136.737	4270298.954	79.51
LOCATION	L0162041	VOLUME	664136.067	4270307.527	78.58
LOCATION	L0162042	VOLUME	664135.396	4270316.101	77.67
LOCATION	L0162043	VOLUME	664134.726	4270324.675	76.78
LOCATION	L0162044	VOLUME	664134.055	4270333.249	76.94
LOCATION	L0162045	VOLUME	664133.384	4270341.823	77.57
LOCATION	L0162046	VOLUME	664132.714	4270350.397	78.22
LOCATION	L0162047	VOLUME	664132.043	4270358.970	78.89
LOCATION	L0162048	VOLUME	664131.373	4270367.544	79.69
LOCATION	L0162049	VOLUME	664130.702	4270376.118	80.48
LOCATION	L0162050	VOLUME	664130.032	4270384.692	81.26
LOCATION	L0162051	VOLUME	664129.361	4270393.266	81.66
LOCATION	L0162052	VOLUME	664128.690	4270401.839	81.70
LOCATION	L0162053	VOLUME	664128.020	4270410.413	81.72
LOCATION	L0162054	VOLUME	664127.349	4270418.987	81.73
LOCATION	L0162055	VOLUME	664126.679	4270427.561	80.94
LOCATION	L0162056	VOLUME	664126.008	4270436.135	80.08
LOCATION	L0162057	VOLUME	664125.337	4270444.709	79.21
LOCATION	L0162058	VOLUME	664124.667	4270453.282	78.52
LOCATION	L0162059	VOLUME	664123.996	4270461.856	78.22
LOCATION	L0162060	VOLUME	664123.326	4270470.430	77.94
LOCATION	L0162061	VOLUME	664122.655	4270479.004	77.69
LOCATION	L0162062	VOLUME	664121.985	4270487.578	78.39



LOCATION	L0162063	VOLUME	664121.314	4270496.151	79.43
LOCATION	L0162064	VOLUME	664120.643	4270504.725	80.47
LOCATION	L0162065	VOLUME	664119.973	4270513.299	81.39
LOCATION	L0162066	VOLUME	664119.302	4270521.873	81.60
LOCATION	L0162067	VOLUME	664118.632	4270530.447	81.81
LOCATION	L0162068	VOLUME	664117.961	4270539.021	82.02
LOCATION	L0162069	VOLUME	664117.291	4270547.594	81.60
LOCATION	L0162070	VOLUME	664116.620	4270556.168	80.67
LOCATION	L0162071	VOLUME	664115.949	4270564.742	79.75
LOCATION	L0162072	VOLUME	664115.279	4270573.316	78.84
LOCATION	L0162073	VOLUME	664114.608	4270581.890	77.65
LOCATION	L0162074	VOLUME	664113.938	4270590.463	76.46
LOCATION	L0162075	VOLUME	664113.267	4270599.037	75.27
LOCATION	L0162076	VOLUME	664112.597	4270607.611	74.52
LOCATION	L0162077	VOLUME	664111.926	4270616.185	74.49
LOCATION	L0162078	VOLUME	664111.255	4270624.759	74.44
LOCATION	L0162079	VOLUME	664110.585	4270633.333	74.37
LOCATION	L0162080	VOLUME	664109.914	4270641.906	75.23
LOCATION	L0162081	VOLUME	664109.244	4270650.480	76.36
LOCATION	L0162082	VOLUME	664108.573	4270659.054	77.49
LOCATION	L0162083	VOLUME	664107.902	4270667.628	78.36
LOCATION	L0162084	VOLUME	664107.232	4270676.202	78.21
LOCATION	L0162085	VOLUME	664106.561	4270684.775	78.05
LOCATION	L0162086	VOLUME	664105.891	4270693.349	77.89
LOCATION	L0162087	VOLUME	664105.220	4270701.923	77.31
LOCATION	L0162088	VOLUME	664104.550	4270710.497	76.46
LOCATION	L0162089	VOLUME	664103.879	4270719.071	75.64
LOCATION	L0162090	VOLUME	664103.208	4270727.644	74.86
LOCATION	L0162091	VOLUME	664102.538	4270736.218	75.36
LOCATION	L0162092	VOLUME	664101.867	4270744.792	75.87
LOCATION	L0162093	VOLUME	664101.197	4270753.366	76.40
LOCATION	L0162094	VOLUME	664100.526	4270761.940	76.96
LOCATION	L0162095	VOLUME	664099.856	4270770.514	77.53
LOCATION	L0162096	VOLUME	664099.185	4270779.087	78.09
LOCATION	L0162097	VOLUME	664098.514	4270787.661	78.63
LOCATION	L0162098	VOLUME	664097.844	4270796.235	78.26
LOCATION	L0162099	VOLUME	664097.173	4270804.809	77.69
LOCATION	L0162100	VOLUME	664096.503	4270813.383	77.09
LOCATION	L0162101	VOLUME	664095.832	4270821.956	76.40
LOCATION	L0162102	VOLUME	664095.161	4270830.530	75.47
LOCATION	L0162103	VOLUME	664094.491	4270839.104	74.56
LOCATION	L0162104	VOLUME	664093.820	4270847.678	73.68
LOCATION	L0162105	VOLUME	664093.150	4270856.252	73.57
LOCATION	L0162106	VOLUME	664089.848	4270861.913	73.68
LOCATION	L0162107	VOLUME	664081.250	4270861.713	73.38
LOCATION	L0162108	VOLUME	664072.652	4270861.513	73.79
LOCATION	L0162109	VOLUME	664064.055	4270861.313	74.32
LOCATION	L0162110	VOLUME	664055.457	4270861.113	74.85
LOCATION	L0162111	VOLUME	664046.859	4270860.913	75.25
LOCATION	L0162112	VOLUME	664038.262	4270860.713	75.65

LOCATION	L0162113	VOLUME	664029.664	4270860.514	75.96
LOCATION	L0162114	VOLUME	664021.066	4270860.314	75.95
LOCATION	L0162115	VOLUME	664012.469	4270860.114	75.94
LOCATION	L0162116	VOLUME	664003.871	4270859.914	76.33
LOCATION	L0162117	VOLUME	663995.273	4270859.714	77.31
LOCATION	L0162118	VOLUME	663986.676	4270859.514	78.29
LOCATION	L0162119	VOLUME	663978.078	4270859.314	79.30
LOCATION	L0162120	VOLUME	663969.480	4270859.114	80.32
LOCATION	L0162121	VOLUME	663960.883	4270858.914	81.35
LOCATION	L0162122	VOLUME	663952.285	4270858.714	81.38
LOCATION	L0162123	VOLUME	663943.687	4270858.514	81.12
LOCATION	L0162124	VOLUME	663935.090	4270858.314	80.85
LOCATION	L0162125	VOLUME	663926.492	4270858.114	80.28
LOCATION	L0162126	VOLUME	663917.894	4270857.914	79.69
LOCATION	L0162127	VOLUME	663909.297	4270857.714	79.15
LOCATION	L0162128	VOLUME	663900.699	4270857.514	78.90
LOCATION	L0162129	VOLUME	663892.101	4270857.314	78.65
LOCATION	L0162130	VOLUME	663883.504	4270857.114	78.36
LOCATION	L0162131	VOLUME	663874.906	4270856.914	77.99
LOCATION	L0162132	VOLUME	663866.308	4270856.715	77.61
LOCATION	L0162133	VOLUME	663857.711	4270856.515	77.26
LOCATION	L0162134	VOLUME	663849.113	4270856.315	76.93
LOCATION	L0162135	VOLUME	663840.515	4270856.115	76.59
LOCATION	L0162136	VOLUME	663831.918	4270855.915	76.70
LOCATION	L0162137	VOLUME	663823.320	4270855.715	77.00
LOCATION	L0162138	VOLUME	663814.722	4270855.515	77.29
LOCATION	L0162139	VOLUME	663809.081	4270858.558	78.02
LOCATION	L0162140	VOLUME	663808.488	4270867.137	78.90
LOCATION	L0162141	VOLUME	663807.894	4270875.717	79.76
LOCATION	L0162142	VOLUME	663807.300	4270884.296	80.54
LOCATION	L0162143	VOLUME	663806.707	4270892.876	81.30
LOCATION	L0162144	VOLUME	663806.113	4270901.455	82.04
LOCATION	L0162145	VOLUME	663805.520	4270910.035	82.56
LOCATION	L0162146	VOLUME	663804.926	4270918.614	82.74
LOCATION	L0162147	VOLUME	663804.333	4270927.194	82.92
LOCATION	L0162148	VOLUME	663803.739	4270935.773	83.10
LOCATION	L0162149	VOLUME	663803.146	4270944.353	82.80
LOCATION	L0162150	VOLUME	663802.552	4270952.932	82.38
LOCATION	L0162151	VOLUME	663801.958	4270961.512	81.95
LOCATION	L0162152	VOLUME	663801.365	4270970.091	81.24
LOCATION	L0162153	VOLUME	663800.771	4270978.671	79.61
LOCATION	L0162154	VOLUME	663800.178	4270987.250	77.99
LOCATION	L0162155	VOLUME	663799.584	4270995.830	76.37
LOCATION	L0162156	VOLUME	663798.991	4271004.409	75.58
LOCATION	L0162157	VOLUME	663798.397	4271012.989	75.27
LOCATION	L0162158	VOLUME	663797.804	4271021.568	74.96
LOCATION	L0162159	VOLUME	663797.210	4271030.148	74.73
LOCATION	L0162160	VOLUME	663796.617	4271038.727	75.90
LOCATION	L0162161	VOLUME	663796.023	4271047.307	77.09
LOCATION	L0162162	VOLUME	663795.429	4271055.886	78.30

LOCATION	L0162163	VOLUME	663794.836	4271064.466	79.23
LOCATION	L0162164	VOLUME	663794.242	4271073.045	79.81
LOCATION	L0162165	VOLUME	663793.649	4271081.625	80.37
LOCATION	L0162166	VOLUME	663793.055	4271090.204	80.92
LOCATION	L0162167	VOLUME	663792.462	4271098.784	79.17
LOCATION	L0162168	VOLUME	663791.868	4271107.363	77.06
LOCATION	L0162169	VOLUME	663791.275	4271115.943	74.91
LOCATION	L0162170	VOLUME	663790.681	4271124.522	72.48
LOCATION	L0162171	VOLUME	663790.087	4271133.102	69.39
LOCATION	L0162172	VOLUME	663789.494	4271141.681	66.29
LOCATION	L0162173	VOLUME	663788.900	4271150.261	63.17
LOCATION	L0162174	VOLUME	663788.307	4271158.840	62.14
LOCATION	L0162175	VOLUME	663787.713	4271167.420	62.00
LOCATION	L0162176	VOLUME	663787.120	4271175.999	61.84
LOCATION	L0162177	VOLUME	663786.526	4271184.579	61.70
LOCATION	L0162178	VOLUME	663785.933	4271193.158	61.96
LOCATION	L0162179	VOLUME	663785.339	4271201.738	62.24
LOCATION	L0162180	VOLUME	663784.746	4271210.317	62.54
LOCATION	L0162181	VOLUME	663784.152	4271218.897	62.43
LOCATION	L0162182	VOLUME	663783.558	4271227.476	61.96
LOCATION	L0162183	VOLUME	663782.965	4271236.056	61.54
LOCATION	L0162184	VOLUME	663782.371	4271244.635	61.17
LOCATION	L0162185	VOLUME	663781.778	4271253.215	61.36
LOCATION	L0162186	VOLUME	663781.184	4271261.794	61.59
LOCATION	L0162187	VOLUME	663780.591	4271270.374	61.84
LOCATION	L0162188	VOLUME	663779.997	4271278.953	62.16
LOCATION	L0162189	VOLUME	663779.404	4271287.532	62.63
LOCATION	L0162190	VOLUME	663778.810	4271296.112	63.09
LOCATION	L0162191	VOLUME	663778.216	4271304.691	63.55
LOCATION	L0162192	VOLUME	663777.623	4271313.271	64.10
LOCATION	L0162193	VOLUME	663777.029	4271321.850	64.69
LOCATION	L0162194	VOLUME	663776.436	4271330.430	65.27
LOCATION	L0162195	VOLUME	663775.842	4271339.009	65.80
LOCATION	L0162196	VOLUME	663775.249	4271347.589	66.13
LOCATION	L0162197	VOLUME	663774.655	4271356.168	66.47
LOCATION	L0162198	VOLUME	663774.062	4271364.748	66.82
LOCATION	L0162199	VOLUME	663773.468	4271373.327	67.48
LOCATION	L0162200	VOLUME	663772.875	4271381.907	68.37
LOCATION	L0162201	VOLUME	663772.281	4271390.486	69.26
LOCATION	L0162202	VOLUME	663771.687	4271399.066	70.14
LOCATION	L0162203	VOLUME	663771.094	4271407.645	71.19
LOCATION	L0162204	VOLUME	663770.500	4271416.225	72.24
LOCATION	L0162205	VOLUME	663769.907	4271424.804	73.31
LOCATION	L0162206	VOLUME	663769.313	4271433.384	73.95
LOCATION	L0162207	VOLUME	663768.720	4271441.963	73.93
LOCATION	L0162208	VOLUME	663768.126	4271450.543	73.93
LOCATION	L0162209	VOLUME	663767.533	4271459.122	73.97
LOCATION	L0162210	VOLUME	663766.939	4271467.702	73.27
LOCATION	L0162211	VOLUME	663766.345	4271476.281	72.38
LOCATION	L0162212	VOLUME	663765.752	4271484.861	71.46

LOCATION	L0162213	VOLUME	663765.158	4271493.440	70.73
LOCATION	L0162214	VOLUME	663764.565	4271502.020	70.75
LOCATION	L0162215	VOLUME	663763.971	4271510.599	70.74
LOCATION	L0162216	VOLUME	663763.378	4271519.179	70.70
LOCATION	L0162217	VOLUME	663762.784	4271527.758	71.45
LOCATION	L0162218	VOLUME	663762.191	4271536.338	72.71
LOCATION	L0162219	VOLUME	663761.597	4271544.917	73.99
LOCATION	L0162220	VOLUME	663761.004	4271553.497	75.27
LOCATION	L0162221	VOLUME	663760.410	4271562.076	76.32
LOCATION	L0162222	VOLUME	663759.816	4271570.656	77.38
LOCATION	L0162223	VOLUME	663759.223	4271579.235	78.45
LOCATION	L0162224	VOLUME	663758.629	4271587.815	79.19
LOCATION	L0162225	VOLUME	663758.036	4271596.394	79.50
LOCATION	L0162226	VOLUME	663757.442	4271604.974	79.82
LOCATION	L0162227	VOLUME	663756.849	4271613.553	80.15
LOCATION	L0162228	VOLUME	663756.255	4271622.133	79.68
LOCATION	L0162229	VOLUME	663755.662	4271630.712	79.08
LOCATION	L0162230	VOLUME	663755.068	4271639.292	78.49
LOCATION	L0162231	VOLUME	663754.474	4271647.871	77.78
LOCATION	L0162232	VOLUME	663753.881	4271656.451	76.71
LOCATION	L0162233	VOLUME	663753.287	4271665.030	75.66
LOCATION	L0162234	VOLUME	663752.694	4271673.610	74.62
LOCATION	L0162235	VOLUME	663752.100	4271682.189	73.77
LOCATION	L0162236	VOLUME	663751.507	4271690.769	72.98
LOCATION	L0162237	VOLUME	663750.913	4271699.348	72.17
LOCATION	L0162238	VOLUME	663750.320	4271707.928	71.39
LOCATION	L0162239	VOLUME	663749.726	4271716.507	71.13
LOCATION	L0162240	VOLUME	663749.133	4271725.087	70.83
LOCATION	L0162241	VOLUME	663748.539	4271733.666	70.50
LOCATION	L0162242	VOLUME	663747.945	4271742.246	70.12
LOCATION	L0162243	VOLUME	663747.352	4271750.825	69.72
LOCATION	L0162244	VOLUME	663746.758	4271759.405	69.33
LOCATION	L0162245	VOLUME	663746.165	4271767.984	69.00
LOCATION	L0162246	VOLUME	663745.571	4271776.564	68.62
LOCATION	L0162247	VOLUME	663744.978	4271785.143	68.25
LOCATION	L0162248	VOLUME	663744.384	4271793.723	67.90
LOCATION	L0162249	VOLUME	663743.791	4271802.302	67.71
LOCATION	L0162250	VOLUME	663743.197	4271810.882	67.85
LOCATION	L0162251	VOLUME	663742.603	4271819.461	67.99
LOCATION	L0162252	VOLUME	663742.010	4271828.041	68.13
LOCATION	L0162253	VOLUME	663741.416	4271836.620	68.37
LOCATION	L0162254	VOLUME	663740.823	4271845.200	68.65
LOCATION	L0162255	VOLUME	663740.229	4271853.779	68.93
LOCATION	L0162256	VOLUME	663739.636	4271862.359	69.31
LOCATION	L0162257	VOLUME	663739.042	4271870.938	70.31
LOCATION	L0162258	VOLUME	663738.449	4271879.518	71.32
LOCATION	L0162259	VOLUME	663737.855	4271888.097	72.33
LOCATION	L0162260	VOLUME	663737.262	4271896.676	73.45
LOCATION	L0162261	VOLUME	663738.747	4271903.379	74.33
LOCATION	L0162262	VOLUME	663747.342	4271903.661	73.75

LOCATION	L0162263	VOLUME	663755.937	4271903.942	72.82
LOCATION	L0162264	VOLUME	663764.533	4271904.224	71.89
LOCATION	L0162265	VOLUME	663773.128	4271904.506	71.20
LOCATION	L0162266	VOLUME	663781.724	4271904.788	70.67
LOCATION	L0162267	VOLUME	663790.319	4271905.070	70.14
LOCATION	L0162268	VOLUME	663798.914	4271905.352	69.78
LOCATION	L0162269	VOLUME	663807.510	4271905.633	69.47
LOCATION	L0162270	VOLUME	663816.105	4271905.915	69.16
LOCATION	L0162271	VOLUME	663824.701	4271906.197	69.68
LOCATION	L0162272	VOLUME	663833.296	4271906.479	70.23
LOCATION	L0162273	VOLUME	663841.891	4271906.761	70.93
LOCATION	L0162274	VOLUME	663850.487	4271907.042	72.53
LOCATION	L0162275	VOLUME	663859.082	4271907.324	74.14
LOCATION	L0162276	VOLUME	663867.677	4271907.606	75.86
LOCATION	L0162277	VOLUME	663876.273	4271907.888	77.84
LOCATION	L0162278	VOLUME	663884.868	4271908.170	79.82
LOCATION	L0162279	VOLUME	663893.464	4271908.452	81.51
LOCATION	L0162280	VOLUME	663902.059	4271908.733	82.94
LOCATION	L0162281	VOLUME	663910.654	4271909.015	84.36
LOCATION	L0162282	VOLUME	663919.250	4271909.297	85.05
LOCATION	L0162283	VOLUME	663927.845	4271909.579	85.44
LOCATION	L0162284	VOLUME	663936.440	4271909.861	85.82
LOCATION	L0162285	VOLUME	663945.036	4271910.142	86.13
LOCATION	L0162286	VOLUME	663953.631	4271910.424	86.42
LOCATION	L0162287	VOLUME	663962.227	4271910.706	86.74
LOCATION	L0162288	VOLUME	663970.822	4271910.988	87.30
LOCATION	L0162289	VOLUME	663979.417	4271911.270	87.86
LOCATION	L0162290	VOLUME	663988.013	4271911.552	88.39
LOCATION	L0162291	VOLUME	663996.608	4271911.833	88.80
LOCATION	L0162292	VOLUME	664005.204	4271912.115	89.21
LOCATION	L0162293	VOLUME	664013.799	4271912.397	89.48
LOCATION	L0162294	VOLUME	664022.394	4271912.679	89.59
LOCATION	L0162295	VOLUME	664030.990	4271912.961	89.70
LOCATION	L0162296	VOLUME	664039.585	4271913.242	89.83
LOCATION	L0162297	VOLUME	664048.180	4271913.524	89.97
LOCATION	L0162298	VOLUME	664056.776	4271913.806	90.12
LOCATION	L0162299	VOLUME	664065.371	4271914.088	90.62
LOCATION	L0162300	VOLUME	664073.967	4271914.370	91.21
LOCATION	L0162301	VOLUME	664082.562	4271914.651	91.79
LOCATION	L0162302	VOLUME	664091.157	4271914.933	91.97
LOCATION	L0162303	VOLUME	664099.753	4271915.215	92.15
LOCATION	L0162304	VOLUME	664108.348	4271915.497	92.34
LOCATION	L0162305	VOLUME	664116.944	4271915.779	92.60
LOCATION	L0162306	VOLUME	664125.539	4271916.061	92.86
LOCATION	L0162307	VOLUME	664134.134	4271916.342	93.20
LOCATION	L0162308	VOLUME	664138.621	4271920.385	93.42
LOCATION	L0162309	VOLUME	664138.144	4271928.972	93.38
LOCATION	L0162310	VOLUME	664137.667	4271937.559	93.39
LOCATION	L0162311	VOLUME	664137.190	4271946.146	93.43
LOCATION	L0162312	VOLUME	664136.713	4271954.732	93.45

LOCATION	L0162313	VOLUME	664136.236	4271963.319	93.48
LOCATION	L0162314	VOLUME	664135.759	4271971.906	93.52
LOCATION	L0162315	VOLUME	664135.282	4271980.493	93.58
LOCATION	L0162316	VOLUME	664134.805	4271989.079	93.63
LOCATION	L0162317	VOLUME	664134.327	4271997.666	93.43
LOCATION	L0162318	VOLUME	664133.850	4272006.253	93.06
LOCATION	L0162319	VOLUME	664133.373	4272014.840	92.70
LOCATION	L0162320	VOLUME	664132.896	4272023.427	92.36
LOCATION	L0162321	VOLUME	664132.419	4272032.013	90.97
LOCATION	L0162322	VOLUME	664131.942	4272040.600	89.59
LOCATION	L0162323	VOLUME	664131.465	4272049.187	88.22
LOCATION	L0162324	VOLUME	664130.988	4272057.774	87.19
LOCATION	L0162325	VOLUME	664130.511	4272066.360	86.65
LOCATION	L0162326	VOLUME	664130.034	4272074.947	86.10
LOCATION	L0162327	VOLUME	664129.557	4272083.534	85.53
LOCATION	L0162328	VOLUME	664129.080	4272092.121	86.25
LOCATION	L0162329	VOLUME	664128.603	4272100.707	87.27
LOCATION	L0162330	VOLUME	664128.126	4272109.294	88.29
LOCATION	L0162331	VOLUME	664127.649	4272117.881	88.77
LOCATION	L0162332	VOLUME	664127.172	4272126.468	87.53
LOCATION	L0162333	VOLUME	664126.695	4272135.054	86.31
LOCATION	L0162334	VOLUME	664126.218	4272143.641	85.10
LOCATION	L0162335	VOLUME	664125.741	4272152.228	82.85
LOCATION	L0162336	VOLUME	664118.597	4272153.509	82.15
LOCATION	L0162337	VOLUME	664110.003	4272153.199	81.92
LOCATION	L0162338	VOLUME	664101.409	4272152.889	81.67
LOCATION	L0162339	VOLUME	664092.814	4272152.579	81.31
LOCATION	L0162340	VOLUME	664084.220	4272152.270	80.94
LOCATION	L0162341	VOLUME	664075.625	4272151.960	80.65
LOCATION	L0162342	VOLUME	664067.031	4272151.650	80.60
LOCATION	L0162343	VOLUME	664058.436	4272151.341	80.55
LOCATION	L0162344	VOLUME	664049.842	4272151.031	80.25
LOCATION	L0162345	VOLUME	664041.248	4272150.721	79.60
LOCATION	L0162346	VOLUME	664032.653	4272150.411	78.94
LOCATION	L0162347	VOLUME	664024.059	4272150.102	77.89
LOCATION	L0162348	VOLUME	664015.464	4272149.792	76.58
LOCATION	L0162349	VOLUME	664006.870	4272149.482	75.26
LOCATION	L0162350	VOLUME	663998.275	4272149.173	74.71
LOCATION	L0162351	VOLUME	663989.681	4272148.863	74.38
LOCATION	L0162352	VOLUME	663981.087	4272148.553	74.04
LOCATION	L0162353	VOLUME	663972.492	4272148.244	73.64
LOCATION	L0162354	VOLUME	663963.898	4272147.934	73.25
LOCATION	L0162355	VOLUME	663955.303	4272147.624	72.87
LOCATION	L0162356	VOLUME	663946.709	4272147.314	72.66
LOCATION	L0162357	VOLUME	663938.115	4272147.005	72.43
LOCATION	L0162358	VOLUME	663929.520	4272146.695	72.38
LOCATION	L0162359	VOLUME	663920.926	4272146.385	72.65
LOCATION	L0162360	VOLUME	663912.331	4272146.076	72.91
LOCATION	L0162361	VOLUME	663903.737	4272145.766	73.57
LOCATION	L0162362	VOLUME	663895.142	4272145.456	74.58

LOCATION	L0162363	VOLUME	663886.548	4272145.146	75.59
LOCATION	L0162364	VOLUME	663877.954	4272144.837	77.57
LOCATION	L0162365	VOLUME	663869.359	4272144.527	79.94
LOCATION	L0162366	VOLUME	663860.765	4272144.217	82.32
LOCATION	L0162367	VOLUME	663852.170	4272143.908	84.59
LOCATION	L0162368	VOLUME	663843.576	4272143.598	86.85
LOCATION	L0162369	VOLUME	663834.981	4272143.288	89.02
LOCATION	L0162370	VOLUME	663826.387	4272142.978	90.30
LOCATION	L0162371	VOLUME	663817.793	4272142.669	91.58
LOCATION	L0162372	VOLUME	663809.198	4272142.359	92.75
LOCATION	L0162373	VOLUME	663800.604	4272142.049	93.66
LOCATION	L0162374	VOLUME	663792.009	4272141.740	94.57
LOCATION	L0162375	VOLUME	663783.415	4272141.430	95.27
LOCATION	L0162376	VOLUME	663774.821	4272141.120	95.74
LOCATION	L0162377	VOLUME	663766.226	4272140.811	96.21
LOCATION	L0162378	VOLUME	663757.632	4272140.501	96.18
LOCATION	L0162379	VOLUME	663749.037	4272140.191	95.87
LOCATION	L0162380	VOLUME	663740.443	4272139.881	95.56
LOCATION	L0162381	VOLUME	663731.848	4272139.572	95.07
LOCATION	L0162382	VOLUME	663723.254	4272139.262	94.53
LOCATION	L0162383	VOLUME	663714.660	4272138.952	94.00
LOCATION	L0162384	VOLUME	663706.065	4272138.643	93.55
LOCATION	L0162385	VOLUME	663697.471	4272138.333	93.10
LOCATION	L0162386	VOLUME	663688.876	4272138.023	92.74
LOCATION	L0162387	VOLUME	663680.282	4272137.713	92.71
LOCATION	L0162388	VOLUME	663671.687	4272137.404	92.68
LOCATION	L0162389	VOLUME	663663.093	4272137.094	92.64
LOCATION	L0162390	VOLUME	663654.499	4272136.784	92.59
LOCATION	L0162391	VOLUME	663645.904	4272136.475	92.54
LOCATION	L0162392	VOLUME	663637.310	4272136.165	92.33
LOCATION	L0162393	VOLUME	663628.715	4272135.855	92.02
LOCATION	L0162394	VOLUME	663620.121	4272135.545	91.70
LOCATION	L0162395	VOLUME	663611.527	4272135.236	91.24
LOCATION	L0162396	VOLUME	663602.932	4272134.926	90.73
LOCATION	L0162397	VOLUME	663594.338	4272134.616	90.22
LOCATION	L0162398	VOLUME	663585.743	4272134.307	89.81
LOCATION	L0162399	VOLUME	663577.149	4272133.997	89.40
LOCATION	L0162400	VOLUME	663568.554	4272133.687	89.00
LOCATION	L0162401	VOLUME	663559.960	4272133.377	88.66
LOCATION	L0162402	VOLUME	663551.366	4272133.068	88.32
LOCATION	L0162403	VOLUME	663542.771	4272132.758	87.98
LOCATION	L0162404	VOLUME	663534.177	4272132.448	87.65
LOCATION	L0162405	VOLUME	663525.582	4272132.139	87.33
LOCATION	L0162406	VOLUME	663516.988	4272131.829	87.33
LOCATION	L0162407	VOLUME	663508.393	4272131.519	87.64
LOCATION	L0162408	VOLUME	663499.799	4272131.210	87.97
LOCATION	L0162409	VOLUME	663491.205	4272130.900	88.48
LOCATION	L0162410	VOLUME	663482.610	4272130.590	89.08
LOCATION	L0162411	VOLUME	663474.016	4272130.280	89.68
LOCATION	L0162412	VOLUME	663465.421	4272129.971	89.30

LOCATION	L0162413	VOLUME	663456.827	4272129.661	88.77
LOCATION	L0162414	VOLUME	663448.232	4272129.351	88.15
LOCATION	L0162415	VOLUME	663439.638	4272129.042	85.96
LOCATION	L0162416	VOLUME	663431.044	4272128.732	83.78
LOCATION	L0162417	VOLUME	663422.449	4272128.422	81.70
LOCATION	L0162418	VOLUME	663413.855	4272128.112	79.92
LOCATION	L0162419	VOLUME	663405.260	4272127.803	78.14
LOCATION	L0162420	VOLUME	663396.666	4272127.493	76.83
LOCATION	L0162421	VOLUME	663393.454	4272133.383	76.10
LOCATION	L0162422	VOLUME	663392.554	4272141.936	77.24
LOCATION	L0162423	VOLUME	663391.654	4272150.489	78.34
LOCATION	L0162424	VOLUME	663390.753	4272159.042	79.40
LOCATION	L0162425	VOLUME	663389.853	4272167.594	80.41
LOCATION	L0162426	VOLUME	663388.953	4272176.147	81.40
LOCATION	L0162427	VOLUME	663388.053	4272184.700	82.40
LOCATION	L0162428	VOLUME	663387.152	4272193.253	83.38
LOCATION	L0162429	VOLUME	663386.252	4272201.805	83.30
LOCATION	L0162430	VOLUME	663385.352	4272210.358	83.23
LOCATION	L0162431	VOLUME	663384.451	4272218.911	83.18
LOCATION	L0162432	VOLUME	663383.551	4272227.464	83.32
LOCATION	L0162433	VOLUME	663382.651	4272236.016	83.76
LOCATION	L0162434	VOLUME	663381.751	4272244.569	84.22
LOCATION	L0162435	VOLUME	663380.850	4272253.122	84.68
LOCATION	L0162436	VOLUME	663379.950	4272261.675	85.26
LOCATION	L0162437	VOLUME	663379.050	4272270.227	85.86
LOCATION	L0162438	VOLUME	663378.149	4272278.780	86.46
LOCATION	L0162439	VOLUME	663377.249	4272287.333	87.03
LOCATION	L0162440	VOLUME	663376.349	4272295.886	87.42
LOCATION	L0162441	VOLUME	663375.449	4272304.438	87.82
LOCATION	L0162442	VOLUME	663374.548	4272312.991	88.24
LOCATION	L0162443	VOLUME	663373.648	4272321.544	88.48
LOCATION	L0162444	VOLUME	663372.748	4272330.097	88.60
LOCATION	L0162445	VOLUME	663371.847	4272338.649	88.73
LOCATION	L0162446	VOLUME	663370.947	4272347.202	88.84
LOCATION	L0162447	VOLUME	663370.047	4272355.755	89.10
LOCATION	L0162448	VOLUME	663369.147	4272364.308	89.36
LOCATION	L0162449	VOLUME	663368.246	4272372.860	89.62
LOCATION	L0162450	VOLUME	663367.346	4272381.413	89.98
LOCATION	L0162451	VOLUME	663366.446	4272389.966	90.47
LOCATION	L0162452	VOLUME	663365.545	4272398.519	90.97
LOCATION	L0162453	VOLUME	663364.645	4272407.071	91.47
LOCATION	L0162454	VOLUME	663363.745	4272415.624	91.93
LOCATION	L0162455	VOLUME	663362.845	4272424.177	92.39
LOCATION	L0162456	VOLUME	663361.944	4272432.730	92.85
LOCATION	L0162457	VOLUME	663361.044	4272441.282	93.27
LOCATION	L0162458	VOLUME	663360.144	4272449.835	93.54
LOCATION	L0162459	VOLUME	663359.243	4272458.388	93.79
LOCATION	L0162460	VOLUME	663358.343	4272466.941	94.04
LOCATION	L0162461	VOLUME	663357.443	4272475.493	94.09
LOCATION	L0162462	VOLUME	663356.543	4272484.046	94.04



LOCATION	L0162463	VOLUME	663355.642	4272492.599	93.97
LOCATION	L0162464	VOLUME	663354.742	4272501.152	93.90
LOCATION	L0162465	VOLUME	663347.874	4272502.867	93.04
LOCATION	L0162466	VOLUME	663339.278	4272502.602	92.10
LOCATION	L0162467	VOLUME	663330.682	4272502.338	91.22
LOCATION	L0162468	VOLUME	663322.086	4272502.073	90.34
LOCATION	L0162469	VOLUME	663313.490	4272501.809	89.52
LOCATION	L0162470	VOLUME	663304.894	4272501.544	88.71
LOCATION	L0162471	VOLUME	663296.298	4272501.280	87.91
LOCATION	L0162472	VOLUME	663287.702	4272501.015	87.11
LOCATION	L0162473	VOLUME	663279.106	4272500.751	86.32
LOCATION	L0162474	VOLUME	663270.510	4272500.486	85.51
LOCATION	L0162475	VOLUME	663261.914	4272500.222	84.59
LOCATION	L0162476	VOLUME	663253.318	4272499.957	83.66
LOCATION	L0162477	VOLUME	663244.722	4272499.693	82.64
LOCATION	L0162478	VOLUME	663236.127	4272499.428	81.43
LOCATION	L0162479	VOLUME	663227.531	4272499.164	80.21
LOCATION	L0162480	VOLUME	663218.935	4272498.899	78.91
LOCATION	L0162481	VOLUME	663210.339	4272498.635	77.51
LOCATION	L0162482	VOLUME	663201.743	4272498.370	76.11
LOCATION	L0162483	VOLUME	663193.147	4272498.106	75.00
LOCATION	L0162484	VOLUME	663184.551	4272497.841	74.00
LOCATION	L0162485	VOLUME	663175.955	4272497.577	73.01
LOCATION	L0162486	VOLUME	663167.359	4272497.312	72.08
LOCATION	L0162487	VOLUME	663158.763	4272497.048	71.17
LOCATION	L0162488	VOLUME	663150.167	4272496.783	70.28
LOCATION	L0162489	VOLUME	663141.571	4272496.519	69.86
LOCATION	L0162490	VOLUME	663132.975	4272496.254	69.44
LOCATION	L0162491	VOLUME	663124.379	4272495.990	69.07
LOCATION	L0162492	VOLUME	663115.784	4272495.725	68.82
LOCATION	L0162493	VOLUME	663107.188	4272495.461	68.57
LOCATION	L0162494	VOLUME	663098.592	4272495.196	68.42
LOCATION	L0162495	VOLUME	663089.996	4272494.932	68.40
LOCATION	L0162496	VOLUME	663081.400	4272494.667	68.38
LOCATION	L0162497	VOLUME	663072.804	4272494.403	68.64
LOCATION	L0162498	VOLUME	663064.208	4272494.138	69.06
LOCATION	L0162499	VOLUME	663055.612	4272493.874	69.48
LOCATION	L0162500	VOLUME	663047.016	4272493.609	70.25
LOCATION	L0162501	VOLUME	663038.420	4272493.345	71.09
LOCATION	L0162502	VOLUME	663029.824	4272493.080	71.94
LOCATION	L0162503	VOLUME	663021.228	4272492.816	73.02
LOCATION	L0162504	VOLUME	663012.632	4272492.551	74.11
LOCATION	L0162505	VOLUME	663004.036	4272492.287	75.23
LOCATION	L0162506	VOLUME	662995.440	4272492.022	76.45
LOCATION	L0162507	VOLUME	662986.845	4272491.758	77.67
LOCATION	L0162508	VOLUME	662978.249	4272491.494	78.71
LOCATION	L0162509	VOLUME	662969.653	4272491.229	79.40
LOCATION	L0162510	VOLUME	662961.057	4272490.965	80.09
LOCATION	L0162511	VOLUME	662952.461	4272490.700	80.12
LOCATION	L0162512	VOLUME	662943.865	4272490.436	79.62

LOCATION	L0162513	VOLUME	662935.269	4272490.171	79.12
LOCATION	L0162514	VOLUME	662926.673	4272489.907	78.29
LOCATION	L0162515	VOLUME	662925.832	4272497.953	78.63
LOCATION	L0162516	VOLUME	662925.502	4272506.547	79.20
LOCATION	L0162517	VOLUME	662925.171	4272515.141	79.78
LOCATION	L0162518	VOLUME	662924.841	4272523.734	80.33
LOCATION	L0162519	VOLUME	662924.510	4272532.328	80.65
LOCATION	L0162520	VOLUME	662924.180	4272540.922	80.98
LOCATION	L0162521	VOLUME	662923.849	4272549.515	81.30
LOCATION	L0162522	VOLUME	662923.518	4272558.109	81.60
LOCATION	L0162523	VOLUME	662923.188	4272566.702	81.89
LOCATION	L0162524	VOLUME	662922.857	4272575.296	82.18
LOCATION	L0162525	VOLUME	662922.527	4272583.890	82.48
LOCATION	L0162526	VOLUME	662922.196	4272592.483	83.08
LOCATION	L0162527	VOLUME	662921.866	4272601.077	83.72
LOCATION	L0162528	VOLUME	662921.535	4272609.671	84.37
LOCATION	L0162529	VOLUME	662921.205	4272618.264	85.05
LOCATION	L0162530	VOLUME	662920.874	4272626.858	85.77
LOCATION	L0162531	VOLUME	662920.544	4272635.452	86.49
LOCATION	L0162532	VOLUME	662920.213	4272644.045	87.21
LOCATION	L0162533	VOLUME	662919.883	4272652.639	87.02
LOCATION	L0162534	VOLUME	662919.552	4272661.233	86.52
LOCATION	L0162535	VOLUME	662919.222	4272669.826	86.02
LOCATION	L0162536	VOLUME	662918.891	4272678.420	85.45
LOCATION	L0162537	VOLUME	662918.561	4272687.013	84.50
LOCATION	L0162538	VOLUME	662918.230	4272695.607	83.55
LOCATION	L0162539	VOLUME	662917.900	4272704.201	82.60
LOCATION	L0162540	VOLUME	662917.569	4272712.794	81.79
LOCATION	L0162541	VOLUME	662917.238	4272721.388	81.08
LOCATION	L0162542	VOLUME	662916.908	4272729.982	80.37
LOCATION	L0162543	VOLUME	662916.577	4272738.575	79.67
LOCATION	L0162544	VOLUME	662916.247	4272747.169	79.42
LOCATION	L0162545	VOLUME	662915.916	4272755.763	79.18
LOCATION	L0162546	VOLUME	662915.586	4272764.356	78.94
LOCATION	L0162547	VOLUME	662915.255	4272772.950	78.70
LOCATION	L0162548	VOLUME	662914.925	4272781.544	78.44
LOCATION	L0162549	VOLUME	662914.594	4272790.137	78.18
LOCATION	L0162550	VOLUME	662914.264	4272798.731	77.93
LOCATION	L0162551	VOLUME	662913.933	4272807.325	77.75
LOCATION	L0162552	VOLUME	662913.603	4272815.918	77.59
LOCATION	L0162553	VOLUME	662913.272	4272824.512	77.43
LOCATION	L0162554	VOLUME	662912.942	4272833.105	77.27
LOCATION	L0162555	VOLUME	662912.611	4272841.699	77.12
LOCATION	L0162556	VOLUME	662912.281	4272850.293	76.96
LOCATION	L0162557	VOLUME	662911.950	4272858.886	76.80
LOCATION	L0162558	VOLUME	662911.620	4272867.480	76.67
LOCATION	L0162559	VOLUME	662911.289	4272876.074	76.54
LOCATION	L0162560	VOLUME	662910.959	4272884.667	76.42
LOCATION	L0162561	VOLUME	662910.628	4272893.261	76.29
LOCATION	L0162562	VOLUME	662910.297	4272901.855	76.28

LOCATION	L0162563	VOLUME	662909.967	4272910.448	76.26
LOCATION	L0162564	VOLUME	662909.636	4272919.042	76.24
LOCATION	L0162565	VOLUME	662909.306	4272927.636	76.26
LOCATION	L0162566	VOLUME	662908.975	4272936.229	76.33
LOCATION	L0162567	VOLUME	662908.645	4272944.823	76.40
LOCATION	L0162568	VOLUME	662908.314	4272953.417	76.47
LOCATION	L0162569	VOLUME	662907.984	4272962.010	76.59
LOCATION	L0162570	VOLUME	662907.653	4272970.604	76.72
LOCATION	L0162571	VOLUME	662907.323	4272979.197	76.84
LOCATION	L0162572	VOLUME	662906.992	4272987.791	76.97
LOCATION	L0162573	VOLUME	662906.662	4272996.385	77.12
LOCATION	L0162574	VOLUME	662905.359	4273003.928	77.20
LOCATION	L0162575	VOLUME	662896.766	4273003.591	76.91
LOCATION	L0162576	VOLUME	662888.172	4273003.254	77.00
LOCATION	L0162577	VOLUME	662879.579	4273002.917	77.08
LOCATION	L0162578	VOLUME	662870.985	4273002.580	77.25
LOCATION	L0162579	VOLUME	662862.392	4273002.243	77.57
LOCATION	L0162580	VOLUME	662853.799	4273001.906	77.89
LOCATION	L0162581	VOLUME	662845.205	4273001.569	78.02
LOCATION	L0162582	VOLUME	662836.612	4273001.232	77.99
LOCATION	L0162583	VOLUME	662828.018	4273000.895	77.96
LOCATION	L0162584	VOLUME	662819.425	4273000.558	77.80
LOCATION	L0162585	VOLUME	662810.832	4273000.221	77.59
LOCATION	L0162586	VOLUME	662802.238	4272999.884	77.38
LOCATION	L0162587	VOLUME	662793.645	4272999.547	77.40
LOCATION	L0162588	VOLUME	662785.051	4272999.210	77.44
LOCATION	L0162589	VOLUME	662776.458	4272998.873	77.53
LOCATION	L0162590	VOLUME	662767.865	4272998.536	77.98
LOCATION	L0162591	VOLUME	662759.271	4272998.199	78.44
LOCATION	L0162592	VOLUME	662750.678	4272997.862	78.91
LOCATION	L0162593	VOLUME	662742.085	4272997.525	79.43
LOCATION	L0162594	VOLUME	662733.491	4272997.188	79.95
LOCATION	L0162595	VOLUME	662724.898	4272996.851	80.28
LOCATION	L0162596	VOLUME	662716.304	4272996.514	80.41
LOCATION	L0162597	VOLUME	662707.711	4272996.177	80.53
LOCATION	L0162598	VOLUME	662699.118	4272995.840	80.06
LOCATION	L0162599	VOLUME	662690.524	4272995.503	79.30
LOCATION	L0162600	VOLUME	662681.931	4272995.166	78.53
LOCATION	L0162601	VOLUME	662673.337	4272994.829	77.21
LOCATION	L0162602	VOLUME	662664.744	4272994.492	75.80
LOCATION	L0162603	VOLUME	662656.151	4272994.155	74.38
LOCATION	L0162604	VOLUME	662647.557	4272993.818	72.79
LOCATION	L0162605	VOLUME	662638.964	4272993.481	71.20
LOCATION	L0162606	VOLUME	662630.370	4272993.144	69.63
LOCATION	L0162607	VOLUME	662621.777	4272992.807	68.14
LOCATION	L0162608	VOLUME	662613.184	4272992.470	66.64
LOCATION	L0162609	VOLUME	662604.590	4272992.133	65.65
LOCATION	L0162610	VOLUME	662595.997	4272991.796	65.36
LOCATION	L0162611	VOLUME	662587.403	4272991.459	65.07
LOCATION	L0162612	VOLUME	662578.810	4272991.122	65.02

LOCATION	L0162613	VOLUME	662570.242	4272990.812	65.12
LOCATION	L0162614	VOLUME	662569.855	4272999.403	65.14
LOCATION	L0162615	VOLUME	662569.468	4273007.995	65.16
LOCATION	L0162616	VOLUME	662569.081	4273016.586	65.27
LOCATION	L0162617	VOLUME	662568.694	4273025.177	65.39
LOCATION	L0162618	VOLUME	662568.307	4273033.768	65.52
LOCATION	L0162619	VOLUME	662567.920	4273042.360	65.63
LOCATION	L0162620	VOLUME	662567.533	4273050.951	65.73
LOCATION	L0162621	VOLUME	662567.146	4273059.542	65.84
LOCATION	L0162622	VOLUME	662566.759	4273068.134	65.94
LOCATION	L0162623	VOLUME	662566.372	4273076.725	66.02
LOCATION	L0162624	VOLUME	662565.985	4273085.316	66.10
LOCATION	L0162625	VOLUME	662565.598	4273093.907	66.17
LOCATION	L0162626	VOLUME	662565.211	4273102.499	66.24
LOCATION	L0162627	VOLUME	662564.824	4273111.090	66.30
LOCATION	L0162628	VOLUME	662564.437	4273119.681	66.36
LOCATION	L0162629	VOLUME	662564.050	4273128.273	66.42
LOCATION	L0162630	VOLUME	662563.663	4273136.864	66.48
LOCATION	L0162631	VOLUME	662563.276	4273145.455	66.54
LOCATION	L0162632	VOLUME	662562.889	4273154.046	66.59
LOCATION	L0162633	VOLUME	662562.502	4273162.638	66.64
LOCATION	L0162634	VOLUME	662562.115	4273171.229	66.74
LOCATION	L0162635	VOLUME	662561.728	4273179.820	66.83
LOCATION	L0162636	VOLUME	662561.341	4273188.412	66.93
LOCATION	L0162637	VOLUME	662560.954	4273197.003	67.03
LOCATION	L0162638	VOLUME	662560.567	4273205.594	67.15
LOCATION	L0162639	VOLUME	662560.180	4273214.185	67.27
LOCATION	L0162640	VOLUME	662559.793	4273222.777	67.39
LOCATION	L0162641	VOLUME	662559.406	4273231.368	67.40
LOCATION	L0162642	VOLUME	662559.019	4273239.959	67.40
LOCATION	L0162643	VOLUME	662558.632	4273248.551	67.40
LOCATION	L0162644	VOLUME	662558.245	4273257.142	67.58
LOCATION	L0162645	VOLUME	662557.858	4273265.733	68.68
LOCATION	L0162646	VOLUME	662557.471	4273274.324	69.80
LOCATION	L0162647	VOLUME	662557.084	4273282.916	70.93
LOCATION	L0162648	VOLUME	662556.697	4273291.507	71.78
LOCATION	L0162649	VOLUME	662556.310	4273300.098	72.41
LOCATION	L0162650	VOLUME	662555.923	4273308.690	73.04
LOCATION	L0162651	VOLUME	662555.536	4273317.281	73.67
LOCATION	L0162652	VOLUME	662555.149	4273325.872	74.32
LOCATION	L0162653	VOLUME	662554.762	4273334.464	74.99
LOCATION	L0162654	VOLUME	662554.375	4273343.055	75.66
LOCATION	L0162655	VOLUME	662553.988	4273351.646	76.45
LOCATION	L0162656	VOLUME	662553.601	4273360.237	77.41
LOCATION	L0162657	VOLUME	662553.214	4273368.829	78.38
LOCATION	L0162658	VOLUME	662552.827	4273377.420	79.35
LOCATION	L0162659	VOLUME	662552.440	4273386.011	79.63
LOCATION	L0162660	VOLUME	662552.053	4273394.603	79.76
LOCATION	L0162661	VOLUME	662551.666	4273403.194	79.88
LOCATION	L0162662	VOLUME	662551.279	4273411.785	79.80

LOCATION	L0162663	VOLUME	662550.892	4273420.376	79.03
LOCATION	L0162664	VOLUME	662550.505	4273428.968	78.28
LOCATION	L0162665	VOLUME	662550.118	4273437.559	77.53
LOCATION	L0162666	VOLUME	662549.731	4273446.150	77.16
LOCATION	L0162667	VOLUME	662549.344	4273454.742	76.96
LOCATION	L0162668	VOLUME	662548.957	4273463.333	76.75
LOCATION	L0162669	VOLUME	662548.570	4273471.924	76.57
LOCATION	L0162670	VOLUME	662548.183	4273480.515	77.18
LOCATION	L0162671	VOLUME	662547.796	4273489.107	77.77
LOCATION	L0162672	VOLUME	662547.409	4273497.698	78.34
LOCATION	L0162673	VOLUME	662547.022	4273506.289	78.78
LOCATION	L0162674	VOLUME	662546.635	4273514.881	79.09
LOCATION	L0162675	VOLUME	662546.248	4273523.472	79.40
LOCATION	L0162676	VOLUME	662545.861	4273532.063	79.71
LOCATION	L0162677	VOLUME	662545.474	4273540.654	79.79
LOCATION	L0162678	VOLUME	662545.087	4273549.246	79.83
LOCATION	L0162679	VOLUME	662544.700	4273557.837	79.87
LOCATION	L0162680	VOLUME	662544.313	4273566.428	80.13
LOCATION	L0162681	VOLUME	662543.926	4273575.020	80.89
LOCATION	L0162682	VOLUME	662543.539	4273583.611	81.64
LOCATION	L0162683	VOLUME	662543.152	4273592.202	82.38
LOCATION	L0162684	VOLUME	662542.765	4273600.793	82.85
LOCATION	L0162685	VOLUME	662542.378	4273609.385	83.23
LOCATION	L0162686	VOLUME	662541.991	4273617.976	83.62
LOCATION	L0162687	VOLUME	662541.604	4273626.567	84.02
LOCATION	L0162688	VOLUME	662541.217	4273635.159	84.43
LOCATION	L0162689	VOLUME	662540.830	4273643.750	84.84
LOCATION	L0162690	VOLUME	662540.443	4273652.341	85.26
LOCATION	L0162691	VOLUME	662540.056	4273660.932	85.78
LOCATION	L0162692	VOLUME	662539.669	4273669.524	86.39
LOCATION	L0162693	VOLUME	662539.282	4273678.115	87.00
LOCATION	L0162694	VOLUME	662538.895	4273686.706	87.61
LOCATION	L0162695	VOLUME	662538.508	4273695.298	88.43
LOCATION	L0162696	VOLUME	662538.121	4273703.889	89.26
LOCATION	L0162697	VOLUME	662537.734	4273712.480	90.08
LOCATION	L0162698	VOLUME	662537.347	4273721.071	90.99
LOCATION	L0162699	VOLUME	662529.979	4273722.132	90.45
LOCATION	L0162700	VOLUME	662521.383	4273721.868	89.63
LOCATION	L0162701	VOLUME	662512.788	4273721.603	89.53
LOCATION	L0162702	VOLUME	662504.192	4273721.339	89.51
LOCATION	L0162703	VOLUME	662495.596	4273721.074	89.37
LOCATION	L0162704	VOLUME	662487.000	4273720.810	88.26
LOCATION	L0162705	VOLUME	662478.404	4273720.545	87.14
LOCATION	L0162706	VOLUME	662469.808	4273720.281	86.31
LOCATION	L0162707	VOLUME	662461.212	4273720.016	86.20
LOCATION	L0162708	VOLUME	662452.616	4273719.752	86.08
LOCATION	L0162709	VOLUME	662444.020	4273719.487	85.95
LOCATION	L0162710	VOLUME	662435.424	4273719.223	85.79
LOCATION	L0162711	VOLUME	662426.828	4273718.958	85.64
LOCATION	L0162712	VOLUME	662418.232	4273718.694	85.60

LOCATION	L0162713	VOLUME	662409.636	4273718.429	85.62
LOCATION	L0162714	VOLUME	662401.040	4273718.165	85.64
LOCATION	L0162715	VOLUME	662392.445	4273717.900	85.75
LOCATION	L0162716	VOLUME	662383.849	4273717.636	85.88
LOCATION	L0162717	VOLUME	662375.253	4273717.371	86.04
LOCATION	L0162718	VOLUME	662366.657	4273717.107	86.97
LOCATION	L0162719	VOLUME	662358.061	4273716.842	87.91
LOCATION	L0162720	VOLUME	662349.465	4273716.578	88.78
LOCATION	L0162721	VOLUME	662340.869	4273716.313	89.43
LOCATION	L0162722	VOLUME	662332.273	4273716.049	90.08
LOCATION	L0162723	VOLUME	662323.677	4273715.784	90.72
LOCATION	L0162724	VOLUME	662315.081	4273715.520	91.36
LOCATION	L0162725	VOLUME	662306.485	4273715.255	92.00
LOCATION	L0162726	VOLUME	662297.889	4273714.991	92.20
LOCATION	L0162727	VOLUME	662289.293	4273714.726	92.11
LOCATION	L0162728	VOLUME	662280.697	4273714.462	92.01
LOCATION	L0162729	VOLUME	662272.101	4273714.197	91.27
LOCATION	L0162730	VOLUME	662263.506	4273713.933	90.34
LOCATION	L0162731	VOLUME	662254.910	4273713.668	89.41
LOCATION	L0162732	VOLUME	662246.314	4273713.404	88.23
LOCATION	L0162733	VOLUME	662237.718	4273713.139	87.03
LOCATION	L0162734	VOLUME	662229.122	4273712.875	86.04
LOCATION	L0162735	VOLUME	662220.526	4273712.610	86.10
LOCATION	L0162736	VOLUME	662211.930	4273712.346	86.16
LOCATION	L0162737	VOLUME	662203.334	4273712.082	85.85
LOCATION	L0162738	VOLUME	662194.738	4273711.817	84.82
LOCATION	L0162739	VOLUME	662186.142	4273711.553	83.78
LOCATION	L0162740	VOLUME	662177.546	4273711.288	83.40
LOCATION	L0162741	VOLUME	662168.950	4273711.024	83.61
LOCATION	L0162742	VOLUME	662160.354	4273710.759	83.83
LOCATION	L0162743	VOLUME	662151.758	4273710.495	85.02
LOCATION	L0162744	VOLUME	662143.162	4273710.230	86.59
LOCATION	L0162745	VOLUME	662134.567	4273709.966	88.16
LOCATION	L0162746	VOLUME	662125.971	4273709.701	90.08
LOCATION	L0162747	VOLUME	662117.375	4273709.437	92.04
LOCATION	L0162748	VOLUME	662108.896	4273709.063	93.96
LOCATION	L0162749	VOLUME	662109.209	4273700.469	94.27
LOCATION	L0162750	VOLUME	662109.523	4273691.874	94.58
LOCATION	L0162751	VOLUME	662109.837	4273683.280	94.89
LOCATION	L0162752	VOLUME	662110.150	4273674.686	95.44
LOCATION	L0162753	VOLUME	662110.464	4273666.091	96.31
LOCATION	L0162754	VOLUME	662110.778	4273657.497	97.18
LOCATION	L0162755	VOLUME	662111.091	4273648.903	98.04
LOCATION	L0162756	VOLUME	662111.405	4273640.309	98.68
LOCATION	L0162757	VOLUME	662111.719	4273631.714	99.28
LOCATION	L0162758	VOLUME	662112.032	4273623.120	99.88
LOCATION	L0162759	VOLUME	662112.346	4273614.526	100.46
LOCATION	L0162760	VOLUME	662112.660	4273605.932	100.98
LOCATION	L0162761	VOLUME	662112.973	4273597.337	101.50
LOCATION	L0162762	VOLUME	662113.287	4273588.743	102.02

LOCATION	L0162763	VOLUME	662113.601	4273580.149	102.34
LOCATION	L0162764	VOLUME	662113.914	4273571.554	102.56
LOCATION	L0162765	VOLUME	662114.228	4273562.960	102.79
LOCATION	L0162766	VOLUME	662114.542	4273554.366	103.00
LOCATION	L0162767	VOLUME	662114.855	4273545.772	103.15
LOCATION	L0162768	VOLUME	662115.169	4273537.177	103.30
LOCATION	L0162769	VOLUME	662115.482	4273528.583	103.46
LOCATION	L0162770	VOLUME	662115.796	4273519.989	103.55
LOCATION	L0162771	VOLUME	662116.110	4273511.394	103.59
LOCATION	L0162772	VOLUME	662116.423	4273502.800	103.62
LOCATION	L0162773	VOLUME	662116.737	4273494.206	103.66
LOCATION	L0162774	VOLUME	662117.051	4273485.612	103.61
LOCATION	L0162775	VOLUME	662117.364	4273477.017	103.55
LOCATION	L0162776	VOLUME	662117.678	4273468.423	103.50
LOCATION	L0162777	VOLUME	662117.992	4273459.829	103.39
LOCATION	L0162778	VOLUME	662118.305	4273451.235	103.17
LOCATION	L0162779	VOLUME	662118.619	4273442.640	102.95
LOCATION	L0162780	VOLUME	662118.933	4273434.046	102.74
LOCATION	L0162781	VOLUME	662119.246	4273425.452	102.39
LOCATION	L0162782	VOLUME	662119.560	4273416.857	101.99
LOCATION	L0162783	VOLUME	662119.874	4273408.263	101.59
LOCATION	L0162784	VOLUME	662120.187	4273399.669	101.12
LOCATION	L0162785	VOLUME	662120.501	4273391.075	100.26
LOCATION	L0162786	VOLUME	662120.815	4273382.480	99.39
LOCATION	L0162787	VOLUME	662121.128	4273373.886	98.53
LOCATION	L0162788	VOLUME	662121.442	4273365.292	97.39
LOCATION	L0162789	VOLUME	662121.756	4273356.697	96.05
LOCATION	L0162790	VOLUME	662122.069	4273348.103	94.71
LOCATION	L0162791	VOLUME	662122.383	4273339.509	93.39
LOCATION	L0162792	VOLUME	662122.697	4273330.915	92.35
LOCATION	L0162793	VOLUME	662123.010	4273322.320	91.31
LOCATION	L0162794	VOLUME	662123.324	4273313.726	90.29
LOCATION	L0162795	VOLUME	662123.638	4273305.132	89.19
LOCATION	L0162796	VOLUME	662123.951	4273296.538	87.98
LOCATION	L0162797	VOLUME	662124.265	4273287.943	86.77
LOCATION	L0162798	VOLUME	662124.579	4273279.349	85.56
LOCATION	L0162799	VOLUME	662124.892	4273270.755	84.31
LOCATION	L0162800	VOLUME	662125.206	4273262.160	83.04
LOCATION	L0162801	VOLUME	662125.520	4273253.566	81.78
LOCATION	L0162802	VOLUME	662125.833	4273244.972	80.55
LOCATION	L0162803	VOLUME	662126.147	4273236.378	79.48
LOCATION	L0162804	VOLUME	662126.461	4273227.783	78.40
LOCATION	L0162805	VOLUME	662126.774	4273219.189	77.32
LOCATION	L0162806	VOLUME	662127.088	4273210.595	76.48
LOCATION	L0162807	VOLUME	662127.402	4273202.000	75.78
LOCATION	L0162808	VOLUME	662127.715	4273193.406	75.08
LOCATION	L0162809	VOLUME	662128.029	4273184.812	74.39
LOCATION	L0162810	VOLUME	662128.343	4273176.218	73.95
LOCATION	L0162811	VOLUME	662128.656	4273167.623	73.51
LOCATION	L0162812	VOLUME	662128.970	4273159.029	73.07

LOCATION	L0162813	VOLUME	662129.284	4273150.435	72.73
LOCATION	L0162814	VOLUME	662129.597	4273141.841	72.51
LOCATION	L0162815	VOLUME	662129.911	4273133.246	72.29
LOCATION	L0162816	VOLUME	662130.225	4273124.652	72.07
LOCATION	L0162817	VOLUME	662130.538	4273116.058	72.00
LOCATION	L0162818	VOLUME	662130.852	4273107.463	71.94
LOCATION	L0162819	VOLUME	662131.165	4273098.869	71.88
LOCATION	L0162820	VOLUME	662131.479	4273090.275	71.79
LOCATION	L0162821	VOLUME	662131.793	4273081.681	71.61
LOCATION	L0162822	VOLUME	662132.106	4273073.086	71.43
LOCATION	L0162823	VOLUME	662132.420	4273064.492	71.24
LOCATION	L0162824	VOLUME	662132.734	4273055.898	70.92
LOCATION	L0162825	VOLUME	662133.047	4273047.303	70.54
LOCATION	L0162826	VOLUME	662133.361	4273038.709	70.15
LOCATION	L0162827	VOLUME	662133.675	4273030.115	69.78
LOCATION	L0162828	VOLUME	662133.988	4273021.521	69.49
LOCATION	L0162829	VOLUME	662134.302	4273012.926	69.20
LOCATION	L0162830	VOLUME	662134.616	4273004.332	68.90
LOCATION	L0162831	VOLUME	662134.929	4272995.738	68.67
LOCATION	L0162832	VOLUME	662135.243	4272987.143	68.49
LOCATION	L0162833	VOLUME	662135.557	4272978.549	68.31
LOCATION	L0162834	VOLUME	662135.870	4272969.955	68.13
LOCATION	L0162835	VOLUME	662136.184	4272961.361	67.92
LOCATION	L0162836	VOLUME	662136.498	4272952.766	67.71
LOCATION	L0162837	VOLUME	662136.811	4272944.172	67.50
LOCATION	L0162838	VOLUME	662137.125	4272935.578	67.29
LOCATION	L0162839	VOLUME	662137.439	4272926.984	67.08
LOCATION	L0162840	VOLUME	662137.752	4272918.389	66.87
LOCATION	L0162841	VOLUME	662138.066	4272909.795	66.66
LOCATION	L0162842	VOLUME	662138.380	4272901.201	66.41
LOCATION	L0162843	VOLUME	662138.693	4272892.606	66.15
LOCATION	L0162844	VOLUME	662139.007	4272884.012	65.88
LOCATION	L0162845	VOLUME	662139.321	4272875.418	65.65
LOCATION	L0162846	VOLUME	662139.634	4272866.824	65.56
LOCATION	L0162847	VOLUME	662139.948	4272858.229	65.48
LOCATION	L0162848	VOLUME	662140.262	4272849.635	65.39
LOCATION	L0162849	VOLUME	662140.575	4272841.041	65.37
LOCATION	L0162850	VOLUME	662140.889	4272832.446	65.41
LOCATION	L0162851	VOLUME	662141.203	4272823.852	65.45
LOCATION	L0162852	VOLUME	662141.516	4272815.258	65.48
LOCATION	L0162853	VOLUME	662141.830	4272806.664	65.43
LOCATION	L0162854	VOLUME	662133.664	4272806.183	65.46
LOCATION	L0162855	VOLUME	662125.064	4272806.118	65.48
LOCATION	L0162856	VOLUME	662116.464	4272806.053	65.45
LOCATION	L0162857	VOLUME	662107.865	4272805.988	65.43
LOCATION	L0162858	VOLUME	662099.265	4272805.923	65.41
LOCATION	L0162859	VOLUME	662090.665	4272805.858	65.39
LOCATION	L0162860	VOLUME	662082.065	4272805.792	65.38
LOCATION	L0162861	VOLUME	662073.466	4272805.727	65.34
LOCATION	L0162862	VOLUME	662064.866	4272805.662	65.29



LOCATION	L0162863	VOLUME	662056.266	4272805.597	65.24
LOCATION	L0162864	VOLUME	662047.666	4272805.532	65.30
LOCATION	L0162865	VOLUME	662039.067	4272805.467	65.37
LOCATION	L0162866	VOLUME	662030.467	4272805.402	65.46
LOCATION	L0162867	VOLUME	662021.867	4272805.336	65.86
LOCATION	L0162868	VOLUME	662013.267	4272805.271	66.25
LOCATION	L0162869	VOLUME	662004.668	4272805.206	66.59
LOCATION	L0162870	VOLUME	661996.068	4272805.141	66.80
LOCATION	L0162871	VOLUME	661987.468	4272805.076	67.01
LOCATION	L0162872	VOLUME	661978.868	4272805.011	67.15
LOCATION	L0162873	VOLUME	661970.269	4272804.946	67.21
LOCATION	L0162874	VOLUME	661961.669	4272804.880	67.28
LOCATION	L0162875	VOLUME	661953.069	4272804.815	67.64
LOCATION	L0162876	VOLUME	661944.469	4272804.750	68.19
LOCATION	L0162877	VOLUME	661935.870	4272804.685	68.74
LOCATION	L0162878	VOLUME	661927.270	4272804.620	69.54
LOCATION	L0162879	VOLUME	661918.670	4272804.555	70.40
LOCATION	L0162880	VOLUME	661910.070	4272804.489	71.26
LOCATION	L0162881	VOLUME	661901.471	4272804.424	71.95
LOCATION	L0162882	VOLUME	661892.871	4272804.359	72.64
LOCATION	L0162883	VOLUME	661884.271	4272804.294	73.28
LOCATION	L0162884	VOLUME	661875.671	4272804.229	73.68
LOCATION	L0162885	VOLUME	661867.072	4272804.164	74.09
LOCATION	L0162886	VOLUME	661858.472	4272804.099	74.37
LOCATION	L0162887	VOLUME	661849.872	4272804.033	74.43
LOCATION	L0162888	VOLUME	661841.272	4272803.968	74.48
LOCATION	L0162889	VOLUME	661832.673	4272803.903	74.46
LOCATION	L0162890	VOLUME	661824.073	4272803.838	74.37
LOCATION	L0162891	VOLUME	661815.473	4272803.773	74.28
LOCATION	L0162892	VOLUME	661806.873	4272803.708	73.92
LOCATION	L0162893	VOLUME	661798.274	4272803.643	73.47
LOCATION	L0162894	VOLUME	661789.674	4272803.577	73.02
LOCATION	L0162895	VOLUME	661781.074	4272803.512	73.02
LOCATION	L0162896	VOLUME	661772.474	4272803.447	73.05
LOCATION	L0162897	VOLUME	661763.875	4272803.382	73.14
LOCATION	L0162898	VOLUME	661755.275	4272803.317	73.75
LOCATION	L0162899	VOLUME	661746.675	4272803.252	74.36
LOCATION	L0162900	VOLUME	661738.075	4272803.186	74.88
LOCATION	L0162901	VOLUME	661729.476	4272803.121	75.19
LOCATION	L0162902	VOLUME	661720.876	4272803.056	75.51
LOCATION	L0162903	VOLUME	661712.276	4272802.991	75.69
LOCATION	L0162904	VOLUME	661703.676	4272802.926	75.71
LOCATION	L0162905	VOLUME	661695.077	4272802.861	75.72
LOCATION	L0162906	VOLUME	661686.477	4272802.796	75.76
LOCATION	L0162907	VOLUME	661677.877	4272802.730	75.81
LOCATION	L0162908	VOLUME	661669.277	4272802.665	75.86
LOCATION	L0162909	VOLUME	661660.678	4272802.600	76.13
LOCATION	L0162910	VOLUME	661652.078	4272802.535	76.43
LOCATION	L0162911	VOLUME	661643.478	4272802.470	76.74
LOCATION	L0162912	VOLUME	661634.878	4272802.405	77.12

LOCATION	L0162913	VOLUME	661626.279	4272802.340	77.50
LOCATION	L0162914	VOLUME	661617.679	4272802.274	77.88
LOCATION	L0162915	VOLUME	661609.079	4272802.209	78.29
LOCATION	L0162916	VOLUME	661600.479	4272802.144	78.70
LOCATION	L0162917	VOLUME	661591.880	4272802.079	79.18
LOCATION	L0162918	VOLUME	661583.280	4272802.014	79.77
LOCATION	L0162919	VOLUME	661574.680	4272801.949	80.36
LOCATION	L0162920	VOLUME	661566.080	4272801.883	80.95
LOCATION	L0162921	VOLUME	661557.481	4272801.818	81.55
LOCATION	L0162922	VOLUME	661548.881	4272801.753	82.15
LOCATION	L0162923	VOLUME	661540.281	4272801.688	82.52
LOCATION	L0162924	VOLUME	661531.681	4272801.623	82.84
LOCATION	L0162925	VOLUME	661523.082	4272801.558	83.15
LOCATION	L0162926	VOLUME	661514.482	4272801.493	83.33
LOCATION	L0162927	VOLUME	661505.882	4272801.427	83.49
LOCATION	L0162928	VOLUME	661497.282	4272801.362	83.71
LOCATION	L0162929	VOLUME	661488.683	4272801.297	84.19
LOCATION	L0162930	VOLUME	661480.083	4272801.232	84.67
LOCATION	L0162931	VOLUME	661471.483	4272801.167	85.14
LOCATION	L0162932	VOLUME	661462.883	4272801.102	85.58
LOCATION	L0162933	VOLUME	661454.283	4272801.037	86.01
LOCATION	L0162934	VOLUME	661445.684	4272800.971	86.22
LOCATION	L0162935	VOLUME	661437.084	4272800.906	86.23
LOCATION	L0162936	VOLUME	661428.484	4272800.841	86.24
LOCATION	L0162937	VOLUME	661419.884	4272800.776	86.02
LOCATION	L0162938	VOLUME	661411.285	4272800.711	85.71
LOCATION	L0162939	VOLUME	661402.685	4272800.646	85.40
LOCATION	L0162940	VOLUME	661394.085	4272800.581	85.39
LOCATION	L0162941	VOLUME	661385.485	4272800.515	85.42
LOCATION	L0162942	VOLUME	661376.886	4272800.450	85.42
LOCATION	L0162943	VOLUME	661368.286	4272800.385	85.18
LOCATION	L0162944	VOLUME	661359.686	4272800.320	84.93
LOCATION	L0162945	VOLUME	661351.086	4272800.255	84.53
LOCATION	L0162946	VOLUME	661342.487	4272800.190	83.68
LOCATION	L0162947	VOLUME	661333.887	4272800.124	82.85
LOCATION	L0162948	VOLUME	661325.287	4272800.059	81.88
LOCATION	L0162949	VOLUME	661316.687	4272799.994	80.76
LOCATION	L0162950	VOLUME	661308.088	4272799.929	79.64
LOCATION	L0162951	VOLUME	661299.488	4272799.864	79.37
LOCATION	L0162952	VOLUME	661290.888	4272799.799	79.56
LOCATION	L0162953	VOLUME	661282.288	4272799.734	79.74
LOCATION	L0162954	VOLUME	661273.689	4272799.668	79.99
LOCATION	L0162955	VOLUME	661272.273	4272792.887	80.10
LOCATION	L0162956	VOLUME	661272.785	4272784.302	80.19
LOCATION	L0162957	VOLUME	661273.298	4272775.717	80.26
LOCATION	L0162958	VOLUME	661273.810	4272767.133	80.33
LOCATION	L0162959	VOLUME	661274.323	4272758.548	80.39
LOCATION	L0162960	VOLUME	661274.835	4272749.963	80.45
LOCATION	L0162961	VOLUME	661275.348	4272741.379	80.52
LOCATION	L0162962	VOLUME	661275.860	4272732.794	80.57

LOCATION	L0162963	VOLUME	661276.373	4272724.209	80.56
LOCATION	L0162964	VOLUME	661276.885	4272715.624	80.57
LOCATION	L0162965	VOLUME	661277.398	4272707.040	80.57
LOCATION	L0162966	VOLUME	661277.910	4272698.455	80.42
LOCATION	L0162967	VOLUME	661278.423	4272689.870	80.24
LOCATION	L0162968	VOLUME	661278.935	4272681.286	80.07
LOCATION	L0162969	VOLUME	661279.448	4272672.701	79.85
LOCATION	L0162970	VOLUME	661279.960	4272664.116	79.47
LOCATION	L0162971	VOLUME	661280.473	4272655.531	79.08
LOCATION	L0162972	VOLUME	661280.985	4272646.947	78.68
LOCATION	L0162973	VOLUME	661281.498	4272638.362	78.37
LOCATION	L0162974	VOLUME	661282.011	4272629.777	78.10
LOCATION	L0162975	VOLUME	661282.523	4272621.193	77.82
LOCATION	L0162976	VOLUME	661283.036	4272612.608	77.55
LOCATION	L0162977	VOLUME	661283.548	4272604.023	77.51
LOCATION	L0162978	VOLUME	661284.061	4272595.438	77.47
LOCATION	L0162979	VOLUME	661284.573	4272586.854	77.41
LOCATION	L0162980	VOLUME	661285.086	4272578.269	77.74
LOCATION	L0162981	VOLUME	661285.598	4272569.684	78.50
LOCATION	L0162982	VOLUME	661286.111	4272561.100	79.25
LOCATION	L0162983	VOLUME	661286.623	4272552.515	79.99
LOCATION	L0162984	VOLUME	661287.136	4272543.930	79.55
LOCATION	L0162985	VOLUME	661287.648	4272535.345	78.97
LOCATION	L0162986	VOLUME	661288.161	4272526.761	78.41
LOCATION	L0162987	VOLUME	661288.673	4272518.176	77.92
LOCATION	L0162988	VOLUME	661289.186	4272509.591	77.59
LOCATION	L0162989	VOLUME	661289.698	4272501.007	77.27
LOCATION	L0162990	VOLUME	661290.211	4272492.422	76.96
LOCATION	L0162991	VOLUME	661290.723	4272483.837	76.89
LOCATION	L0162992	VOLUME	661291.236	4272475.252	76.91
LOCATION	L0162993	VOLUME	661291.748	4272466.668	76.94
LOCATION	L0162994	VOLUME	661292.261	4272458.083	76.99
LOCATION	L0162995	VOLUME	661292.773	4272449.498	77.25
LOCATION	L0162996	VOLUME	661293.286	4272440.914	77.53
LOCATION	L0162997	VOLUME	661293.798	4272432.329	77.83
LOCATION	L0162998	VOLUME	661294.311	4272423.744	78.33
LOCATION	L0162999	VOLUME	661294.824	4272415.159	78.98
LOCATION	L0163000	VOLUME	661295.336	4272406.575	79.61
LOCATION	L0163001	VOLUME	661295.849	4272397.990	80.22
LOCATION	L0163002	VOLUME	661296.361	4272389.405	80.09
LOCATION	L0163003	VOLUME	661296.874	4272380.821	79.92
LOCATION	L0163004	VOLUME	661297.386	4272372.236	79.74
LOCATION	L0163005	VOLUME	661297.899	4272363.651	79.70
LOCATION	L0163006	VOLUME	661301.246	4272358.076	79.79
LOCATION	L0163007	VOLUME	661309.846	4272358.076	79.62
LOCATION	L0163008	VOLUME	661318.446	4272358.076	79.33
LOCATION	L0163009	VOLUME	661327.046	4272358.076	78.94
LOCATION	L0163010	VOLUME	661335.646	4272358.076	78.55
LOCATION	L0163011	VOLUME	661344.246	4272358.076	78.21
LOCATION	L0163012	VOLUME	661352.846	4272358.076	77.89

LOCATION	L0163013	VOLUME	661361.446	4272358.076	77.56
LOCATION	L0163014	VOLUME	661370.046	4272358.076	77.30
LOCATION	L0163015	VOLUME	661378.646	4272358.076	77.04
LOCATION	L0163016	VOLUME	661387.246	4272358.076	76.77
LOCATION	L0163017	VOLUME	661395.846	4272358.076	76.46
LOCATION	L0163018	VOLUME	661404.446	4272358.076	76.14
LOCATION	L0163019	VOLUME	661413.046	4272358.076	75.79
LOCATION	L0163020	VOLUME	661421.646	4272358.076	75.37
LOCATION	L0163021	VOLUME	661430.246	4272358.076	74.94
LOCATION	L0163022	VOLUME	661438.846	4272358.076	74.52
LOCATION	L0163023	VOLUME	661447.446	4272358.076	74.10
LOCATION	L0163024	VOLUME	661456.046	4272358.076	73.67
LOCATION	L0163025	VOLUME	661464.646	4272358.076	73.33
LOCATION	L0163026	VOLUME	661473.246	4272358.076	73.03
LOCATION	L0163027	VOLUME	661481.846	4272358.076	72.73
LOCATION	L0163028	VOLUME	661490.446	4272358.076	72.45
LOCATION	L0163029	VOLUME	661499.046	4272358.076	72.18
LOCATION	L0163030	VOLUME	661507.646	4272358.076	71.92
LOCATION	L0163031	VOLUME	661516.246	4272358.076	71.71
LOCATION	L0163032	VOLUME	661524.846	4272358.076	71.50
LOCATION	L0163033	VOLUME	661533.446	4272358.076	71.29
LOCATION	L0163034	VOLUME	661542.046	4272358.076	71.10
LOCATION	L0163035	VOLUME	661550.646	4272358.076	70.91
LOCATION	L0163036	VOLUME	661559.246	4272358.076	70.78
LOCATION	L0163037	VOLUME	661567.846	4272358.076	70.75
LOCATION	L0163038	VOLUME	661576.446	4272358.076	70.71
LOCATION	L0163039	VOLUME	661585.046	4272358.076	70.79
LOCATION	L0163040	VOLUME	661593.646	4272358.076	70.94
LOCATION	L0163041	VOLUME	661602.246	4272358.076	71.09
LOCATION	L0163042	VOLUME	661610.846	4272358.076	71.36
LOCATION	L0163043	VOLUME	661619.446	4272358.076	71.67
LOCATION	L0163044	VOLUME	661628.046	4272358.076	71.97
LOCATION	L0163045	VOLUME	661636.646	4272358.076	72.57
LOCATION	L0163046	VOLUME	661645.246	4272358.076	73.19
LOCATION	L0163047	VOLUME	661653.846	4272358.076	73.77
LOCATION	L0163048	VOLUME	661662.446	4272358.076	74.06
LOCATION	L0163049	VOLUME	661671.046	4272358.076	74.34
LOCATION	L0163050	VOLUME	661679.646	4272358.076	74.41
LOCATION	L0163051	VOLUME	661688.246	4272358.076	73.96
LOCATION	L0163052	VOLUME	661696.846	4272358.076	73.51
LOCATION	L0163053	VOLUME	661705.446	4272358.076	72.93
LOCATION	L0163054	VOLUME	661714.046	4272358.076	72.22
LOCATION	L0163055	VOLUME	661722.646	4272358.076	71.51
LOCATION	L0163056	VOLUME	661731.246	4272358.076	70.84
LOCATION	L0163057	VOLUME	661733.498	4272351.455	70.24
LOCATION	L0163058	VOLUME	661733.859	4272342.863	69.71
LOCATION	L0163059	VOLUME	661734.220	4272334.270	69.38
LOCATION	L0163060	VOLUME	661734.581	4272325.678	69.06
LOCATION	L0163061	VOLUME	661734.942	4272317.085	68.73
LOCATION	L0163062	VOLUME	661735.303	4272308.493	68.72

LOCATION	L0163063	VOLUME	661735.664	4272299.901	68.90
LOCATION	L0163064	VOLUME	661736.025	4272291.308	69.08
LOCATION	L0163065	VOLUME	661736.386	4272282.716	69.26
LOCATION	L0163066	VOLUME	661736.747	4272274.123	69.49
LOCATION	L0163067	VOLUME	661737.108	4272265.531	69.73
LOCATION	L0163068	VOLUME	661737.469	4272256.939	69.96
LOCATION	L0163069	VOLUME	661737.830	4272248.346	70.24
LOCATION	L0163070	VOLUME	661738.191	4272239.754	70.56
LOCATION	L0163071	VOLUME	661738.552	4272231.161	70.88
LOCATION	L0163072	VOLUME	661738.913	4272222.569	71.21
LOCATION	L0163073	VOLUME	661739.274	4272213.976	71.66
LOCATION	L0163074	VOLUME	661739.635	4272205.384	72.13
LOCATION	L0163075	VOLUME	661739.996	4272196.792	72.61
LOCATION	L0163076	VOLUME	661740.357	4272188.199	73.17
LOCATION	L0163077	VOLUME	661740.719	4272179.607	73.97
LOCATION	L0163078	VOLUME	661741.080	4272171.014	74.78
LOCATION	L0163079	VOLUME	661741.441	4272162.422	75.58
LOCATION	L0163080	VOLUME	661741.802	4272153.830	76.70
LOCATION	L0163081	VOLUME	661742.163	4272145.237	77.97
LOCATION	L0163082	VOLUME	661742.524	4272136.645	79.23
LOCATION	L0163083	VOLUME	661742.885	4272128.052	80.49
LOCATION	L0163084	VOLUME	661743.246	4272119.460	81.57
LOCATION	L0163085	VOLUME	661743.607	4272110.867	82.67
LOCATION	L0163086	VOLUME	661743.968	4272102.275	83.76
LOCATION	L0163087	VOLUME	661744.329	4272093.683	84.58
LOCATION	L0163088	VOLUME	661744.690	4272085.090	85.14
LOCATION	L0163089	VOLUME	661745.051	4272076.498	85.69
LOCATION	L0163090	VOLUME	661745.412	4272067.905	86.25
LOCATION	L0163091	VOLUME	661745.773	4272059.313	86.48
LOCATION	L0163092	VOLUME	661746.134	4272050.720	86.69
LOCATION	L0163093	VOLUME	661746.495	4272042.128	86.89
LOCATION	L0163094	VOLUME	661746.856	4272033.536	86.89
LOCATION	L0163095	VOLUME	661747.217	4272024.943	86.51
LOCATION	L0163096	VOLUME	661747.578	4272016.351	86.12
LOCATION	L0163097	VOLUME	661747.939	4272007.758	85.72
LOCATION	L0163098	VOLUME	661748.300	4271999.166	84.90
LOCATION	L0163099	VOLUME	661748.661	4271990.574	83.95
LOCATION	L0163100	VOLUME	661749.022	4271981.981	83.00
LOCATION	L0163101	VOLUME	661749.383	4271973.389	82.11
LOCATION	L0163102	VOLUME	661749.744	4271964.796	81.50
LOCATION	L0163103	VOLUME	661750.105	4271956.204	80.90
LOCATION	L0163104	VOLUME	661750.466	4271947.611	80.30
LOCATION	L0163105	VOLUME	661750.827	4271939.019	79.83
LOCATION	L0163106	VOLUME	661751.188	4271930.427	79.45
LOCATION	L0163107	VOLUME	661751.549	4271921.834	79.07
LOCATION	L0163108	VOLUME	661751.910	4271913.242	78.68
LOCATION	L0163109	VOLUME	661752.271	4271904.649	78.33
LOCATION	L0163110	VOLUME	661752.632	4271896.057	77.98
LOCATION	L0163111	VOLUME	661752.993	4271887.465	77.62
LOCATION	L0163112	VOLUME	661753.354	4271878.872	77.26

LOCATION	L0163113	VOLUME	661753.715	4271870.280	76.88
LOCATION	L0163114	VOLUME	661754.076	4271861.687	76.49
LOCATION	L0163115	VOLUME	661754.437	4271853.095	76.11
LOCATION	L0163116	VOLUME	661754.799	4271844.502	75.76
LOCATION	L0163117	VOLUME	661755.160	4271835.910	75.42
LOCATION	L0163118	VOLUME	661755.521	4271827.318	75.08
LOCATION	L0163119	VOLUME	661755.882	4271818.725	74.73
LOCATION	L0163120	VOLUME	661756.243	4271810.133	74.39
LOCATION	L0163121	VOLUME	661756.604	4271801.540	74.06
LOCATION	L0163122	VOLUME	661756.965	4271792.948	73.73
LOCATION	L0163123	VOLUME	661757.326	4271784.355	73.34
LOCATION	L0163124	VOLUME	661757.687	4271775.763	72.91
LOCATION	L0163125	VOLUME	661758.048	4271767.171	72.49
LOCATION	L0163126	VOLUME	661758.409	4271758.578	72.07
LOCATION	L0163127	VOLUME	661758.770	4271749.986	71.66
LOCATION	L0163128	VOLUME	661759.131	4271741.393	71.26
LOCATION	L0163129	VOLUME	661759.492	4271732.801	70.85
LOCATION	L0163130	VOLUME	661759.853	4271724.209	70.64
LOCATION	L0163131	VOLUME	661760.214	4271715.616	70.65
LOCATION	L0163132	VOLUME	661760.575	4271707.024	70.65
LOCATION	L0163133	VOLUME	661760.936	4271698.431	70.66
LOCATION	L0163134	VOLUME	661761.297	4271689.839	70.80
LOCATION	L0163135	VOLUME	661761.658	4271681.246	70.96
LOCATION	L0163136	VOLUME	661762.019	4271672.654	71.11
LOCATION	L0163137	VOLUME	661762.380	4271664.062	71.29
LOCATION	L0163138	VOLUME	661762.741	4271655.469	71.51
LOCATION	L0163139	VOLUME	661763.102	4271646.877	71.73
LOCATION	L0163140	VOLUME	661763.463	4271638.284	71.95
LOCATION	L0163141	VOLUME	661763.824	4271629.692	72.19
LOCATION	L0163142	VOLUME	661764.185	4271621.100	72.44
LOCATION	L0163143	VOLUME	661764.546	4271612.507	72.70
LOCATION	L0163144	VOLUME	661764.907	4271603.915	72.94
LOCATION	L0163145	VOLUME	661765.268	4271595.322	73.08
LOCATION	L0163146	VOLUME	661765.629	4271586.730	73.22
LOCATION	L0163147	VOLUME	661765.990	4271578.137	73.37
LOCATION	L0163148	VOLUME	661770.411	4271573.779	74.18
LOCATION	L0163149	VOLUME	661779.011	4271573.779	75.66
LOCATION	L0163150	VOLUME	661787.611	4271573.779	77.14
LOCATION	L0163151	VOLUME	661796.211	4271573.779	78.89
LOCATION	L0163152	VOLUME	661804.811	4271573.779	80.73
LOCATION	L0163153	VOLUME	661813.411	4271573.779	82.56
LOCATION	L0163154	VOLUME	661822.011	4271573.779	83.49
LOCATION	L0163155	VOLUME	661830.611	4271573.779	84.36
LOCATION	L0163156	VOLUME	661839.211	4271573.779	85.08
LOCATION	L0163157	VOLUME	661847.811	4271573.779	84.73
LOCATION	L0163158	VOLUME	661856.411	4271573.779	84.38
LOCATION	L0163159	VOLUME	661865.011	4271573.779	83.80
LOCATION	L0163160	VOLUME	661873.611	4271573.779	82.71
LOCATION	L0163161	VOLUME	661882.211	4271573.779	81.62
LOCATION	L0163162	VOLUME	661890.811	4271573.779	80.34

LOCATION	L0163163	VOLUME	661899.411	4271573.779	78.86
LOCATION	L0163164	VOLUME	661908.011	4271573.779	77.39
LOCATION	L0163165	VOLUME	661916.611	4271573.779	76.06
LOCATION	L0163166	VOLUME	661925.211	4271573.779	74.80
LOCATION	L0163167	VOLUME	661933.811	4271573.779	73.54
LOCATION	L0163168	VOLUME	661942.411	4271573.779	72.56
LOCATION	L0163169	VOLUME	661951.011	4271573.779	71.64
LOCATION	L0163170	VOLUME	661959.611	4271573.779	70.72
LOCATION	L0163171	VOLUME	661968.211	4271573.779	69.98
LOCATION	L0163172	VOLUME	661976.811	4271573.779	69.23
LOCATION	L0163173	VOLUME	661985.411	4271573.779	68.56
LOCATION	L0163174	VOLUME	661994.011	4271573.779	68.10
LOCATION	L0163175	VOLUME	662002.611	4271573.779	67.65
LOCATION	L0163176	VOLUME	662011.211	4271573.779	67.40
LOCATION	L0163177	VOLUME	662019.811	4271573.779	67.44
LOCATION	L0163178	VOLUME	662028.411	4271573.779	67.47
LOCATION	L0163179	VOLUME	662037.011	4271573.779	67.46
LOCATION	L0163180	VOLUME	662045.611	4271573.779	67.43
LOCATION	L0163181	VOLUME	662054.211	4271573.779	67.39
LOCATION	L0163182	VOLUME	662062.811	4271573.779	67.32
LOCATION	L0163183	VOLUME	662071.411	4271573.779	67.23
LOCATION	L0163184	VOLUME	662080.011	4271573.779	67.15
LOCATION	L0163185	VOLUME	662088.611	4271573.779	67.01
LOCATION	L0163186	VOLUME	662097.211	4271573.779	66.87
LOCATION	L0163187	VOLUME	662105.811	4271573.779	66.71
LOCATION	L0163188	VOLUME	662114.411	4271573.779	66.42
LOCATION	L0163189	VOLUME	662123.011	4271573.779	66.13
LOCATION	L0163190	VOLUME	662131.611	4271573.779	65.81
LOCATION	L0163191	VOLUME	662140.211	4271573.779	65.43
LOCATION	L0163192	VOLUME	662148.811	4271573.779	65.05
LOCATION	L0163193	VOLUME	662157.411	4271573.779	64.66
LOCATION	L0163194	VOLUME	662166.011	4271573.779	64.28
LOCATION	L0163195	VOLUME	662174.611	4271573.779	63.90
LOCATION	L0163196	VOLUME	662181.419	4271571.958	63.58
LOCATION	L0163197	VOLUME	662181.560	4271563.359	63.42
LOCATION	L0163198	VOLUME	662181.700	4271554.760	63.27
LOCATION	L0163199	VOLUME	662181.840	4271546.161	63.05
LOCATION	L0163200	VOLUME	662181.981	4271537.562	62.79
LOCATION	L0163201	VOLUME	662182.121	4271528.963	62.53
LOCATION	L0163202	VOLUME	662182.262	4271520.365	62.28
LOCATION	L0163203	VOLUME	662182.402	4271511.766	62.03
LOCATION	L0163204	VOLUME	662182.542	4271503.167	61.79
LOCATION	L0163205	VOLUME	662182.683	4271494.568	61.55
LOCATION	L0163206	VOLUME	662182.823	4271485.969	61.39
LOCATION	L0163207	VOLUME	662182.964	4271477.370	61.32
LOCATION	L0163208	VOLUME	662183.104	4271468.771	61.24
LOCATION	L0163209	VOLUME	662183.244	4271460.173	61.17
LOCATION	L0163210	VOLUME	662183.385	4271451.574	61.40
LOCATION	L0163211	VOLUME	662183.525	4271442.975	61.66
LOCATION	L0163212	VOLUME	662183.666	4271434.376	61.92

LOCATION	L0163213	VOLUME	662183.806	4271425.777	62.29
LOCATION	L0163214	VOLUME	662183.946	4271417.178	62.91
LOCATION	L0163215	VOLUME	662184.087	4271408.579	63.54
LOCATION	L0163216	VOLUME	662184.227	4271399.981	64.16
LOCATION	L0163217	VOLUME	662184.367	4271391.382	64.96
LOCATION	L0163218	VOLUME	662184.508	4271382.783	65.83
LOCATION	L0163219	VOLUME	662184.648	4271374.184	66.70
LOCATION	L0163220	VOLUME	662184.789	4271365.585	67.46
LOCATION	L0163221	VOLUME	662184.929	4271356.986	67.63
LOCATION	L0163222	VOLUME	662185.069	4271348.387	67.80
LOCATION	L0163223	VOLUME	662185.210	4271339.789	67.98
LOCATION	L0163224	VOLUME	662185.350	4271331.190	67.91
LOCATION	L0163225	VOLUME	662185.491	4271322.591	67.65
LOCATION	L0163226	VOLUME	662185.631	4271313.992	67.40
LOCATION	L0163227	VOLUME	662185.771	4271305.393	67.14
LOCATION	L0163228	VOLUME	662185.912	4271296.794	66.44
LOCATION	L0163229	VOLUME	662186.052	4271288.195	65.73
LOCATION	L0163230	VOLUME	662186.193	4271279.597	65.02
LOCATION	L0163231	VOLUME	662186.333	4271270.998	64.31
LOCATION	L0163232	VOLUME	662186.473	4271262.399	63.62
LOCATION	L0163233	VOLUME	662186.614	4271253.800	62.92
LOCATION	L0163234	VOLUME	662186.754	4271245.201	62.23
LOCATION	L0163235	VOLUME	662186.894	4271236.602	61.61
LOCATION	L0163236	VOLUME	662187.035	4271228.003	61.01
LOCATION	L0163237	VOLUME	662187.175	4271219.405	60.42
LOCATION	L0163238	VOLUME	662187.316	4271210.806	59.85
LOCATION	L0163239	VOLUME	662187.456	4271202.207	59.41
LOCATION	L0163240	VOLUME	662187.596	4271193.608	58.96
LOCATION	L0163241	VOLUME	662187.737	4271185.009	58.51
LOCATION	L0163242	VOLUME	662187.877	4271176.410	58.37
LOCATION	L0163243	VOLUME	662188.018	4271167.811	58.41
LOCATION	L0163244	VOLUME	662188.158	4271159.213	58.46
LOCATION	L0163245	VOLUME	662188.298	4271150.614	58.51
LOCATION	L0163246	VOLUME	662188.439	4271142.015	58.73
LOCATION	L0163247	VOLUME	662188.579	4271133.416	58.95
LOCATION	L0163248	VOLUME	662188.720	4271124.817	59.17
LOCATION	L0163249	VOLUME	662188.860	4271116.218	59.61
LOCATION	L0163250	VOLUME	662189.000	4271107.620	60.26
LOCATION	L0163251	VOLUME	662189.141	4271099.021	60.93
LOCATION	L0163252	VOLUME	662189.281	4271090.422	61.59
LOCATION	L0163253	VOLUME	662189.422	4271081.823	62.10
LOCATION	L0163254	VOLUME	662189.562	4271073.224	62.60
LOCATION	L0163255	VOLUME	662189.702	4271064.625	63.09
LOCATION	L0163256	VOLUME	662189.843	4271056.026	63.38
LOCATION	L0163257	VOLUME	662189.983	4271047.428	63.20
LOCATION	L0163258	VOLUME	662190.123	4271038.829	63.02
LOCATION	L0163259	VOLUME	662190.264	4271030.230	62.84
LOCATION	L0163260	VOLUME	662190.404	4271021.631	62.33
LOCATION	L0163261	VOLUME	662190.545	4271013.032	61.69
LOCATION	L0163262	VOLUME	662190.685	4271004.433	61.05



LOCATION	L0163263	VOLUME	662190.825	4270995.834	60.43
LOCATION	L0163264	VOLUME	662190.966	4270987.236	59.96
LOCATION	L0163265	VOLUME	662191.106	4270978.637	59.48
LOCATION	L0163266	VOLUME	662191.247	4270970.038	59.01
LOCATION	L0163267	VOLUME	662191.387	4270961.439	58.61
LOCATION	L0163268	VOLUME	662191.527	4270952.840	58.28
LOCATION	L0163269	VOLUME	662191.668	4270944.241	57.96
LOCATION	L0163270	VOLUME	662191.808	4270935.642	57.63
LOCATION	L0163271	VOLUME	662191.949	4270927.044	57.49
LOCATION	L0163272	VOLUME	662192.089	4270918.445	57.37
LOCATION	L0163273	VOLUME	662192.229	4270909.846	57.25
LOCATION	L0163274	VOLUME	662192.370	4270901.247	57.13
LOCATION	L0163275	VOLUME	662192.510	4270892.648	57.02
LOCATION	L0163276	VOLUME	662192.650	4270884.049	56.91
LOCATION	L0163277	VOLUME	662192.791	4270875.450	56.80
LOCATION	L0163278	VOLUME	662192.931	4270866.852	56.68
LOCATION	L0163279	VOLUME	662193.072	4270858.253	56.55
LOCATION	L0163280	VOLUME	662193.212	4270849.654	56.43
LOCATION	L0163281	VOLUME	662193.352	4270841.055	56.32
LOCATION	L0163282	VOLUME	662193.493	4270832.456	56.32
LOCATION	L0163283	VOLUME	662193.633	4270823.857	56.31
LOCATION	L0163284	VOLUME	662193.774	4270815.258	56.30
LOCATION	L0163285	VOLUME	662193.914	4270806.660	56.29
LOCATION	L0163286	VOLUME	662194.054	4270798.061	56.27
LOCATION	L0163287	VOLUME	662194.195	4270789.462	56.25
LOCATION	L0163288	VOLUME	662194.335	4270780.863	56.23
LOCATION	L0163289	VOLUME	662194.476	4270772.264	56.22
LOCATION	L0163290	VOLUME	662194.616	4270763.665	56.21
LOCATION	L0163291	VOLUME	662194.756	4270755.066	56.20
LOCATION	L0163292	VOLUME	662194.897	4270746.468	56.20
LOCATION	L0163293	VOLUME	662195.037	4270737.869	56.21
LOCATION	L0163294	VOLUME	662195.177	4270729.270	56.22
LOCATION	L0163295	VOLUME	662195.318	4270720.671	56.23
LOCATION	L0163296	VOLUME	662195.458	4270712.072	56.25
LOCATION	L0163297	VOLUME	662195.599	4270703.473	56.28
LOCATION	L0163298	VOLUME	662195.739	4270694.875	56.30
LOCATION	L0163299	VOLUME	662195.879	4270686.276	56.33
LOCATION	L0163300	VOLUME	662196.020	4270677.677	56.38
LOCATION	L0163301	VOLUME	662196.160	4270669.078	56.42
LOCATION	L0163302	VOLUME	662196.301	4270660.479	56.47
LOCATION	L0163303	VOLUME	662196.441	4270651.880	56.49
LOCATION	L0163304	VOLUME	662196.581	4270643.281	56.50
LOCATION	L0163305	VOLUME	662196.722	4270634.683	56.51
LOCATION	L0163306	VOLUME	662196.862	4270626.084	56.51
LOCATION	L0163307	VOLUME	662197.003	4270617.485	56.51
LOCATION	L0163308	VOLUME	662197.143	4270608.886	56.51
LOCATION	L0163309	VOLUME	662197.283	4270600.287	56.51
LOCATION	L0163310	VOLUME	662197.424	4270591.688	56.49
LOCATION	L0163311	VOLUME	662197.564	4270583.089	56.45
LOCATION	L0163312	VOLUME	662197.704	4270574.491	56.41

LOCATION	L0163313	VOLUME	662197.845	4270565.892	56.36
LOCATION	L0163314	VOLUME	662197.985	4270557.293	56.32
LOCATION	L0163315	VOLUME	662198.126	4270548.694	56.27
LOCATION	L0163316	VOLUME	662198.266	4270540.095	56.22
LOCATION	L0163317	VOLUME	662198.406	4270531.496	56.20
LOCATION	L0163318	VOLUME	662198.547	4270522.897	56.24
LOCATION	L0163319	VOLUME	662198.687	4270514.299	56.28
LOCATION	L0163320	VOLUME	662198.828	4270505.700	56.33
LOCATION	L0163321	VOLUME	662198.968	4270497.101	56.43
LOCATION	L0163322	VOLUME	662199.108	4270488.502	56.55
LOCATION	L0163323	VOLUME	662199.249	4270479.903	56.67
LOCATION	L0163324	VOLUME	662199.389	4270471.304	56.80
LOCATION	L0163325	VOLUME	662199.530	4270462.705	56.97
LOCATION	L0163326	VOLUME	662199.670	4270454.107	57.14
LOCATION	L0163327	VOLUME	662199.810	4270445.508	57.31
LOCATION	L0163328	VOLUME	662199.951	4270436.909	57.58
LOCATION	L0163329	VOLUME	662200.091	4270428.310	57.91
LOCATION	L0163330	VOLUME	662200.231	4270419.711	58.23
LOCATION	L0163331	VOLUME	662200.372	4270411.112	58.57
LOCATION	L0163332	VOLUME	662200.512	4270402.513	58.96
LOCATION	L0163333	VOLUME	662200.653	4270393.915	59.36
LOCATION	L0163334	VOLUME	662200.793	4270385.316	59.76
LOCATION	L0163335	VOLUME	662200.933	4270376.717	59.95
LOCATION	L0163336	VOLUME	662201.074	4270368.118	59.85
LOCATION	L0163337	VOLUME	662201.214	4270359.519	59.76
LOCATION	L0163338	VOLUME	662201.355	4270350.920	59.66
LOCATION	L0163339	VOLUME	662201.495	4270342.322	59.29
LOCATION	L0163340	VOLUME	662201.635	4270333.723	58.87
LOCATION	L0163341	VOLUME	662201.776	4270325.124	58.45
LOCATION	L0163342	VOLUME	662201.916	4270316.525	58.09
LOCATION	L0163343	VOLUME	662202.057	4270307.926	57.94
LOCATION	L0163344	VOLUME	662202.197	4270299.327	57.78
LOCATION	L0163345	VOLUME	662202.337	4270290.728	57.63
LOCATION	L0163346	VOLUME	662202.478	4270282.130	57.74
LOCATION	L0163347	VOLUME	662202.618	4270273.531	57.98
LOCATION	L0163348	VOLUME	662202.759	4270264.932	58.22
LOCATION	L0163349	VOLUME	662202.899	4270256.333	58.48
LOCATION	L0163350	VOLUME	662203.039	4270247.734	59.00
LOCATION	L0163351	VOLUME	662203.180	4270239.135	59.52
LOCATION	L0163352	VOLUME	662203.320	4270230.536	60.05
LOCATION	L0163353	VOLUME	662203.460	4270221.938	60.49
LOCATION	L0163354	VOLUME	662203.601	4270213.339	60.85
LOCATION	L0163355	VOLUME	662203.741	4270204.740	61.21
LOCATION	L0163356	VOLUME	662203.882	4270196.141	61.57
LOCATION	L0163357	VOLUME	662204.022	4270187.542	61.26
LOCATION	L0163358	VOLUME	662204.162	4270178.943	60.89
LOCATION	L0163359	VOLUME	662204.303	4270170.344	60.51
LOCATION	L0163360	VOLUME	662204.443	4270161.746	60.12
LOCATION	L0163361	VOLUME	662204.584	4270153.147	59.71
LOCATION	L0163362	VOLUME	662204.724	4270144.548	59.30

LOCATION	L0163363	VOLUME	662204.864	4270135.949	58.88
LOCATION	L0163364	VOLUME	662205.005	4270127.350	58.75
LOCATION	L0163365	VOLUME	662205.145	4270118.751	58.72
LOCATION	L0163366	VOLUME	662205.286	4270110.152	58.69
LOCATION	L0163367	VOLUME	662205.426	4270101.554	58.72
LOCATION	L0163368	VOLUME	662205.566	4270092.955	59.05
LOCATION	L0163369	VOLUME	662205.707	4270084.356	59.38
LOCATION	L0163370	VOLUME	662205.847	4270075.757	59.71
LOCATION	L0163371	VOLUME	662205.987	4270067.158	60.08
LOCATION	L0163372	VOLUME	662206.128	4270058.559	60.50
LOCATION	L0163373	VOLUME	662206.268	4270049.960	60.91
LOCATION	L0163374	VOLUME	662206.409	4270041.362	61.33
LOCATION	L0163375	VOLUME	662206.549	4270032.763	61.81
LOCATION	L0163376	VOLUME	662206.689	4270024.164	62.29
LOCATION	L0163377	VOLUME	662206.830	4270015.565	62.77
LOCATION	L0163378	VOLUME	662206.970	4270006.966	63.33
LOCATION	L0163379	VOLUME	662207.111	4269998.367	64.00
LOCATION	L0163380	VOLUME	662207.251	4269989.768	64.68
LOCATION	L0163381	VOLUME	662207.391	4269981.170	65.35
LOCATION	L0163382	VOLUME	662207.532	4269972.571	66.23
LOCATION	L0163383	VOLUME	662207.672	4269963.972	67.14
LOCATION	L0163384	VOLUME	662211.429	4269959.081	67.58
LOCATION	L0163385	VOLUME	662220.029	4269959.155	67.38
LOCATION	L0163386	VOLUME	662228.628	4269959.229	67.18
LOCATION	L0163387	VOLUME	662237.228	4269959.303	67.00
LOCATION	L0163388	VOLUME	662245.828	4269959.377	66.86
LOCATION	L0163389	VOLUME	662254.427	4269959.452	66.72
LOCATION	L0163390	VOLUME	662263.027	4269959.526	66.59
LOCATION	L0163391	VOLUME	662271.627	4269959.600	66.46
LOCATION	L0163392	VOLUME	662280.226	4269959.674	66.33
LOCATION	L0163393	VOLUME	662288.826	4269959.748	66.16
LOCATION	L0163394	VOLUME	662297.426	4269959.822	65.98
LOCATION	L0163395	VOLUME	662306.026	4269959.896	65.80
LOCATION	L0163396	VOLUME	662314.625	4269959.971	65.47
LOCATION	L0163397	VOLUME	662323.225	4269960.045	65.13
LOCATION	L0163398	VOLUME	662331.825	4269960.119	64.81
LOCATION	L0163399	VOLUME	662340.424	4269960.193	64.64
LOCATION	L0163400	VOLUME	662349.024	4269960.267	64.46
LOCATION	L0163401	VOLUME	662357.624	4269960.341	64.39
LOCATION	L0163402	VOLUME	662366.223	4269960.415	64.57
LOCATION	L0163403	VOLUME	662374.823	4269960.490	64.74
LOCATION	L0163404	VOLUME	662383.423	4269960.564	64.80
LOCATION	L0163405	VOLUME	662392.022	4269960.638	64.73
LOCATION	L0163406	VOLUME	662400.622	4269960.712	64.67
LOCATION	L0163407	VOLUME	662409.222	4269960.786	64.33
LOCATION	L0163408	VOLUME	662417.821	4269960.860	63.85
LOCATION	L0163409	VOLUME	662426.421	4269960.934	63.37
LOCATION	L0163410	VOLUME	662435.021	4269961.008	62.77
LOCATION	L0163411	VOLUME	662443.620	4269961.083	62.15
LOCATION	L0163412	VOLUME	662452.220	4269961.157	61.54

LOCATION	L0163413	VOLUME	662460.820	4269961.231	60.81
LOCATION	L0163414	VOLUME	662469.419	4269961.305	60.08
LOCATION	L0163415	VOLUME	662478.019	4269961.379	59.32
LOCATION	L0163416	VOLUME	662486.619	4269961.453	58.44
LOCATION	L0163417	VOLUME	662495.218	4269961.527	57.57
LOCATION	L0163418	VOLUME	662503.818	4269961.602	56.60
LOCATION	L0163419	VOLUME	662512.418	4269961.676	55.50
LOCATION	L0163420	VOLUME	662521.018	4269961.750	54.40
LOCATION	L0163421	VOLUME	662529.617	4269961.824	53.31
LOCATION	L0163422	VOLUME	662538.217	4269961.898	52.21
LOCATION	L0163423	VOLUME	662546.817	4269961.972	51.11
LOCATION	L0163424	VOLUME	662555.416	4269962.046	50.72
LOCATION	L0163425	VOLUME	662564.016	4269962.120	50.52
LOCATION	L0163426	VOLUME	662572.616	4269962.195	50.32
LOCATION	L0163427	VOLUME	662581.215	4269962.269	51.30
LOCATION	L0163428	VOLUME	662589.815	4269962.343	52.32
LOCATION	L0163429	VOLUME	662598.415	4269962.417	53.43
LOCATION	L0163430	VOLUME	662607.014	4269962.491	55.04
LOCATION	L0163431	VOLUME	662615.614	4269962.565	56.66
LOCATION	L0163432	VOLUME	662624.214	4269962.639	58.02
LOCATION	L0163433	VOLUME	662632.813	4269962.714	58.89
LOCATION	L0163434	VOLUME	662641.413	4269962.788	59.76
LOCATION	L0163435	VOLUME	662650.013	4269962.862	60.72
LOCATION	L0163436	VOLUME	662658.612	4269962.936	61.76
LOCATION	L0163437	VOLUME	662667.212	4269963.010	62.80
LOCATION	L0163438	VOLUME	662675.812	4269963.084	63.85
LOCATION	L0163439	VOLUME	662684.411	4269963.158	64.90
LOCATION	L0163440	VOLUME	662693.011	4269963.233	65.95
LOCATION	L0163441	VOLUME	662701.611	4269963.307	66.92
LOCATION	L0163442	VOLUME	662710.211	4269963.381	67.88
LOCATION	L0163443	VOLUME	662718.810	4269963.455	68.80
LOCATION	L0163444	VOLUME	662727.410	4269963.529	69.28
LOCATION	L0163445	VOLUME	662736.010	4269963.603	69.77
LOCATION	L0163446	VOLUME	662744.609	4269963.677	70.01
LOCATION	L0163447	VOLUME	662753.209	4269963.751	69.56
LOCATION	L0163448	VOLUME	662761.809	4269963.826	69.12
LOCATION	L0163449	VOLUME	662770.408	4269963.900	68.34
LOCATION	L0163450	VOLUME	662779.008	4269963.974	67.16
LOCATION	L0163451	VOLUME	662787.608	4269964.048	65.98
LOCATION	L0163452	VOLUME	662796.207	4269964.122	64.73
LOCATION	L0163453	VOLUME	662804.807	4269964.196	63.45
LOCATION	L0163454	VOLUME	662813.407	4269964.270	62.16
LOCATION	L0163455	VOLUME	662822.006	4269964.345	61.19
LOCATION	L0163456	VOLUME	662830.606	4269964.419	60.29
LOCATION	L0163457	VOLUME	662839.206	4269964.493	59.39
LOCATION	L0163458	VOLUME	662847.805	4269964.567	58.88
LOCATION	L0163459	VOLUME	662856.405	4269964.641	58.38
LOCATION	L0163460	VOLUME	662865.005	4269964.715	57.92
LOCATION	L0163461	VOLUME	662873.604	4269964.789	57.63
LOCATION	L0163462	VOLUME	662882.204	4269964.863	57.35

LOCATION	L0163463	VOLUME	662890.804	4269964.938	57.17
LOCATION	L0163464	VOLUME	662899.403	4269965.012	57.15
LOCATION	L0163465	VOLUME	662908.003	4269965.086	57.13
LOCATION	L0163466	VOLUME	662916.603	4269965.160	57.10
LOCATION	L0163467	VOLUME	662925.203	4269965.234	57.08
LOCATION	L0163468	VOLUME	662933.802	4269965.308	57.05
LOCATION	L0163469	VOLUME	662942.402	4269965.382	56.89
LOCATION	L0163470	VOLUME	662951.002	4269965.457	56.68
LOCATION	L0163471	VOLUME	662959.601	4269965.531	56.47
LOCATION	L0163472	VOLUME	662968.201	4269965.605	56.29
LOCATION	L0163473	VOLUME	662972.401	4269961.118	56.20
LOCATION	L0163474	VOLUME	662972.635	4269952.521	56.08
LOCATION	L0163475	VOLUME	662972.870	4269943.925	55.96
LOCATION	L0163476	VOLUME	662973.104	4269935.328	55.85
LOCATION	L0163477	VOLUME	662973.339	4269926.731	55.48
LOCATION	L0163478	VOLUME	662973.573	4269918.134	55.05
LOCATION	L0163479	VOLUME	662973.807	4269909.537	54.62
LOCATION	L0163480	VOLUME	662974.042	4269900.941	54.16
LOCATION	L0163481	VOLUME	662974.276	4269892.344	53.61
LOCATION	L0163482	VOLUME	662974.511	4269883.747	53.07
LOCATION	L0163483	VOLUME	662974.745	4269875.150	52.52
LOCATION	L0163484	VOLUME	662974.980	4269866.553	51.91
LOCATION	L0163485	VOLUME	662975.214	4269857.957	51.26
LOCATION	L0163486	VOLUME	662975.449	4269849.360	50.61
LOCATION	L0163487	VOLUME	662975.683	4269840.763	49.97
LOCATION	L0163488	VOLUME	662975.918	4269832.166	49.63
LOCATION	L0163489	VOLUME	662976.152	4269823.569	49.30
LOCATION	L0163490	VOLUME	662976.386	4269814.973	48.97
LOCATION	L0163491	VOLUME	662976.621	4269806.376	48.87
LOCATION	L0163492	VOLUME	662976.855	4269797.779	49.06
LOCATION	L0163493	VOLUME	662977.090	4269789.182	49.26
LOCATION	L0163494	VOLUME	662977.324	4269780.585	49.45
LOCATION	L0163495	VOLUME	662977.559	4269771.989	50.49
LOCATION	L0163496	VOLUME	662977.793	4269763.392	51.66
LOCATION	L0163497	VOLUME	662978.028	4269754.795	52.82
LOCATION	L0163498	VOLUME	662978.262	4269746.198	54.07
LOCATION	L0163499	VOLUME	662978.497	4269737.601	55.51
LOCATION	L0163500	VOLUME	662978.731	4269729.005	56.96
LOCATION	L0163501	VOLUME	662978.966	4269720.408	58.41
LOCATION	L0163502	VOLUME	662979.200	4269711.811	59.91
LOCATION	L0163503	VOLUME	662979.434	4269703.214	61.45
LOCATION	L0163504	VOLUME	662979.669	4269694.617	62.99
LOCATION	L0163505	VOLUME	662979.903	4269686.021	64.53
LOCATION	L0163506	VOLUME	662980.138	4269677.424	66.00
LOCATION	L0163507	VOLUME	662980.372	4269668.827	67.48
LOCATION	L0163508	VOLUME	662980.607	4269660.230	68.96
LOCATION	L0163509	VOLUME	662980.841	4269651.633	69.98
LOCATION	L0163510	VOLUME	662981.076	4269643.037	70.56
LOCATION	L0163511	VOLUME	662981.310	4269634.440	71.14
LOCATION	L0163512	VOLUME	662981.545	4269625.843	71.73

LOCATION	L0163513	VOLUME	662981.779	4269617.246	71.17
LOCATION	L0163514	VOLUME	662982.013	4269608.649	70.53
LOCATION	L0163515	VOLUME	662982.248	4269600.053	69.89
LOCATION	L0163516	VOLUME	662982.482	4269591.456	69.34
LOCATION	L0163517	VOLUME	662982.717	4269582.859	68.95
LOCATION	L0163518	VOLUME	662982.951	4269574.262	68.56
LOCATION	L0163519	VOLUME	662983.186	4269565.665	68.16
LOCATION	L0163520	VOLUME	662983.420	4269557.069	68.88
LOCATION	L0163521	VOLUME	662983.655	4269548.472	69.94
LOCATION	L0163522	VOLUME	662983.889	4269539.875	71.00
LOCATION	L0163523	VOLUME	662984.124	4269531.278	72.01
LOCATION	L0163524	VOLUME	662984.358	4269522.681	72.81
LOCATION	L0163525	VOLUME	662984.593	4269514.085	73.60
LOCATION	L0163526	VOLUME	662984.827	4269505.488	74.39
LOCATION	L0163527	VOLUME	662985.061	4269496.891	74.91
LOCATION	L0163528	VOLUME	662985.296	4269488.294	75.24
LOCATION	L0163529	VOLUME	662985.530	4269479.697	75.57
LOCATION	L0163530	VOLUME	662985.765	4269471.100	75.89
LOCATION	L0163531	VOLUME	662985.999	4269462.504	76.06
LOCATION	L0163532	VOLUME	662986.234	4269453.907	76.24
LOCATION	L0163533	VOLUME	662986.468	4269445.310	76.41
LOCATION	L0163534	VOLUME	662986.703	4269436.713	76.36
LOCATION	L0163535	VOLUME	662986.937	4269428.116	76.00
LOCATION	L0163536	VOLUME	662987.172	4269419.520	75.63
LOCATION	L0163537	VOLUME	662987.406	4269410.923	75.27
LOCATION	L0163538	VOLUME	662987.640	4269402.326	74.70
LOCATION	L0163539	VOLUME	662987.875	4269393.729	74.08
LOCATION	L0163540	VOLUME	662988.109	4269385.132	73.46
LOCATION	L0163541	VOLUME	662988.344	4269376.536	72.85
LOCATION	L0163542	VOLUME	662988.578	4269367.939	72.25
LOCATION	L0163543	VOLUME	662988.813	4269359.342	71.66
LOCATION	L0163544	VOLUME	662989.047	4269350.745	71.06
LOCATION	L0163545	VOLUME	662989.282	4269342.148	70.55
LOCATION	L0163546	VOLUME	662989.516	4269333.552	70.07
LOCATION	L0163547	VOLUME	662989.751	4269324.955	69.60
LOCATION	L0163548	VOLUME	662989.985	4269316.358	69.13
LOCATION	L0163549	VOLUME	662990.220	4269307.761	68.82
LOCATION	L0163550	VOLUME	662990.454	4269299.164	68.50
LOCATION	L0163551	VOLUME	662990.688	4269290.568	68.18
LOCATION	L0163552	VOLUME	662990.923	4269281.971	68.04
LOCATION	L0163553	VOLUME	662991.157	4269273.374	68.08
LOCATION	L0163554	VOLUME	662991.392	4269264.777	68.11
LOCATION	L0163555	VOLUME	662991.626	4269256.180	68.14
LOCATION	L0163556	VOLUME	662991.861	4269247.584	68.42
LOCATION	L0163557	VOLUME	662993.722	4269240.711	68.71
LOCATION	L0163558	VOLUME	663002.318	4269240.975	69.03
LOCATION	L0163559	VOLUME	663010.914	4269241.239	69.37
LOCATION	L0163560	VOLUME	663019.510	4269241.503	69.71
LOCATION	L0163561	VOLUME	663028.106	4269241.767	70.09
LOCATION	L0163562	VOLUME	663036.702	4269242.031	70.51

LOCATION	L0163563	VOLUME	663045.298	4269242.295	70.92
LOCATION	L0163564	VOLUME	663053.894	4269242.559	71.35
LOCATION	L0163565	VOLUME	663062.490	4269242.823	71.77
LOCATION	L0163566	VOLUME	663071.086	4269243.087	72.19
LOCATION	L0163567	VOLUME	663079.682	4269243.351	72.58
LOCATION	L0163568	VOLUME	663088.278	4269243.615	72.97
LOCATION	L0163569	VOLUME	663096.873	4269243.879	73.35
LOCATION	L0163570	VOLUME	663105.469	4269244.143	73.74
LOCATION	L0163571	VOLUME	663114.065	4269244.407	74.13
LOCATION	L0163572	VOLUME	663122.661	4269244.671	74.53
LOCATION	L0163573	VOLUME	663131.257	4269244.936	74.95
LOCATION	L0163574	VOLUME	663139.853	4269245.200	75.37
LOCATION	L0163575	VOLUME	663148.449	4269245.464	75.75
LOCATION	L0163576	VOLUME	663157.045	4269245.728	76.09
LOCATION	L0163577	VOLUME	663165.641	4269245.992	76.43
LOCATION	L0163578	VOLUME	663174.237	4269246.256	76.90
LOCATION	L0163579	VOLUME	663182.833	4269246.520	77.44
LOCATION	L0163580	VOLUME	663191.429	4269246.784	77.98
LOCATION	L0163581	VOLUME	663200.025	4269247.048	78.50
LOCATION	L0163582	VOLUME	663208.621	4269247.312	79.01
LOCATION	L0163583	VOLUME	663217.217	4269247.576	79.51
LOCATION	L0163584	VOLUME	663225.813	4269247.840	79.70
LOCATION	L0163585	VOLUME	663234.409	4269248.104	79.89
LOCATION	L0163586	VOLUME	663243.005	4269248.368	79.97
LOCATION	L0163587	VOLUME	663251.600	4269248.632	79.65
LOCATION	L0163588	VOLUME	663260.196	4269248.896	79.33
LOCATION	L0163589	VOLUME	663268.792	4269249.160	78.89
LOCATION	L0163590	VOLUME	663277.388	4269249.424	78.27
LOCATION	L0163591	VOLUME	663285.984	4269249.688	77.65
LOCATION	L0163592	VOLUME	663294.580	4269249.952	77.26
LOCATION	L0163593	VOLUME	663303.176	4269250.216	77.02
LOCATION	L0163594	VOLUME	663311.772	4269250.480	76.79
LOCATION	L0163595	VOLUME	663320.368	4269250.744	76.97
LOCATION	L0163596	VOLUME	663328.964	4269251.008	77.27
LOCATION	L0163597	VOLUME	663337.560	4269251.272	77.57
LOCATION	L0163598	VOLUME	663346.156	4269251.536	77.69
LOCATION	L0163599	VOLUME	663354.752	4269251.801	77.80
LOCATION	L0163600	VOLUME	663363.348	4269252.065	77.87
LOCATION	L0163601	VOLUME	663371.944	4269252.329	77.61
LOCATION	L0163602	VOLUME	663380.540	4269252.593	77.35
LOCATION	L0163603	VOLUME	663389.136	4269252.857	76.97
LOCATION	L0163604	VOLUME	663397.732	4269253.121	76.33
LOCATION	L0163605	VOLUME	663406.328	4269253.385	75.69
LOCATION	L0163606	VOLUME	663414.923	4269253.649	75.05
LOCATION	L0163607	VOLUME	663423.519	4269253.913	74.43
LOCATION	L0163608	VOLUME	663432.115	4269254.177	73.81
LOCATION	L0163609	VOLUME	663440.711	4269254.441	73.19
LOCATION	L0163610	VOLUME	663449.307	4269254.705	72.58
LOCATION	L0163611	VOLUME	663457.903	4269254.969	71.96
LOCATION	L0163612	VOLUME	663466.499	4269255.233	71.49

LOCATION	L0163613	VOLUME	663475.095	4269255.497	71.04
LOCATION	L0163614	VOLUME	663483.691	4269255.761	70.59
LOCATION	L0163615	VOLUME	663492.287	4269256.025	70.29
LOCATION	L0163616	VOLUME	663500.883	4269256.289	70.00
LOCATION	L0163617	VOLUME	663509.479	4269256.553	69.73
LOCATION	L0163618	VOLUME	663518.075	4269256.817	69.54
LOCATION	L0163619	VOLUME	663526.671	4269257.081	69.35
LOCATION	L0163620	VOLUME	663535.267	4269257.345	69.28
LOCATION	L0163621	VOLUME	663543.863	4269257.609	69.38
LOCATION	L0163622	VOLUME	663552.459	4269257.873	69.48
LOCATION	L0163623	VOLUME	663561.055	4269258.137	69.63
LOCATION	L0163624	VOLUME	663569.650	4269258.402	69.80
LOCATION	L0163625	VOLUME	663578.246	4269258.666	69.97
LOCATION	L0163626	VOLUME	663586.842	4269258.930	70.12
LOCATION	L0163627	VOLUME	663595.438	4269259.194	70.27
LOCATION	L0163628	VOLUME	663604.034	4269259.458	70.41
LOCATION	L0163629	VOLUME	663612.630	4269259.722	70.49
LOCATION	L0163630	VOLUME	663621.226	4269259.986	70.56
LOCATION	L0163631	VOLUME	663629.822	4269260.250	70.60
LOCATION	L0163632	VOLUME	663638.418	4269260.514	70.42
LOCATION	L0163633	VOLUME	663647.014	4269260.778	70.24
LOCATION	L0163634	VOLUME	663655.610	4269261.042	70.01
LOCATION	L0163635	VOLUME	663664.206	4269261.306	69.68
LOCATION	L0163636	VOLUME	663672.802	4269261.570	69.36
LOCATION	L0163637	VOLUME	663681.398	4269261.834	69.01
LOCATION	L0163638	VOLUME	663689.994	4269262.098	68.64
LOCATION	L0163639	VOLUME	663698.590	4269262.362	68.28
LOCATION	L0163640	VOLUME	663707.186	4269262.626	68.05
LOCATION	L0163641	VOLUME	663715.782	4269262.890	67.88
LOCATION	L0163642	VOLUME	663724.378	4269263.154	67.70
LOCATION	L0163643	VOLUME	663732.973	4269263.418	67.54
LOCATION	L0163644	VOLUME	663741.569	4269263.682	67.39
LOCATION	L0163645	VOLUME	663750.165	4269263.946	67.20
LOCATION	L0163646	VOLUME	663758.761	4269264.210	66.74
LOCATION	L0163647	VOLUME	663767.357	4269264.474	66.27
LOCATION	L0163648	VOLUME	663775.953	4269264.738	65.80
LOCATION	L0163649	VOLUME	663784.549	4269265.002	65.31
LOCATION	L0163650	VOLUME	663793.145	4269265.267	64.83
LOCATION	L0163651	VOLUME	663801.741	4269265.531	64.37
LOCATION	L0163652	VOLUME	663810.337	4269265.795	63.94
LOCATION	L0163653	VOLUME	663818.933	4269266.059	63.52
LOCATION	L0163654	VOLUME	663827.529	4269266.323	63.14
LOCATION	L0163655	VOLUME	663836.125	4269266.587	62.78
LOCATION	L0163656	VOLUME	663844.721	4269266.851	62.43
LOCATION	L0163657	VOLUME	663853.317	4269267.115	62.14
LOCATION	L0163658	VOLUME	663861.913	4269267.379	61.87
LOCATION	L0163659	VOLUME	663870.509	4269267.643	61.60
LOCATION	L0163660	VOLUME	663879.105	4269267.907	61.27
LOCATION	L0163661	VOLUME	663887.700	4269268.171	60.94
LOCATION	L0163662	VOLUME	663896.296	4269268.435	60.64



LOCATION	L0163663	VOLUME	663904.892	4269268.699	60.51
LOCATION	L0163664	VOLUME	663913.488	4269268.963	60.37
LOCATION	L0163665	VOLUME	663922.084	4269269.227	60.19
LOCATION	L0163666	VOLUME	663930.680	4269269.491	59.93
LOCATION	L0163667	VOLUME	663939.276	4269269.755	59.67
LOCATION	L0163668	VOLUME	663947.872	4269270.019	59.31
LOCATION	L0163669	VOLUME	663956.468	4269270.283	58.88
LOCATION	L0163670	VOLUME	663965.064	4269270.547	58.44
LOCATION	L0163671	VOLUME	663973.660	4269270.811	58.05
LOCATION	L0163672	VOLUME	663982.256	4269271.075	57.68
LOCATION	L0163673	VOLUME	663990.852	4269271.339	57.31
LOCATION	L0163674	VOLUME	663999.448	4269271.603	56.89
LOCATION	L0163675	VOLUME	664008.044	4269271.868	56.45
LOCATION	L0163676	VOLUME	664016.640	4269272.132	56.06
LOCATION	L0163677	VOLUME	664025.236	4269272.396	56.02
LOCATION	L0163678	VOLUME	664033.832	4269272.660	55.98
LOCATION	L0163679	VOLUME	664042.427	4269272.924	56.03
LOCATION	L0163680	VOLUME	664051.023	4269273.188	56.26
LOCATION	L0163681	VOLUME	664059.619	4269273.452	56.51
LOCATION	L0163682	VOLUME	664068.215	4269273.716	56.82
LOCATION	L0163683	VOLUME	664076.811	4269273.980	57.21
LOCATION	L0163684	VOLUME	664085.407	4269274.244	57.60
LOCATION	L0163685	VOLUME	664094.003	4269274.508	58.08
LOCATION	L0163686	VOLUME	664102.599	4269274.772	58.61
LOCATION	L0163687	VOLUME	664111.195	4269275.036	59.13
LOCATION	L0163688	VOLUME	664119.791	4269275.300	59.80
LOCATION	L0163689	VOLUME	664128.387	4269275.564	60.51
LOCATION	L0163690	VOLUME	664136.983	4269275.828	61.19
LOCATION	L0163691	VOLUME	664145.579	4269276.092	61.54
LOCATION	L0163692	VOLUME	664154.175	4269276.356	61.88
LOCATION	L0163693	VOLUME	664162.771	4269276.620	62.20
LOCATION	L0163694	VOLUME	664171.367	4269276.884	62.47
LOCATION	L0163695	VOLUME	664179.963	4269277.148	62.73
LOCATION	L0163696	VOLUME	664188.559	4269277.412	63.11
LOCATION	L0163697	VOLUME	664197.155	4269277.676	63.66
LOCATION	L0163698	VOLUME	664205.750	4269277.940	64.21
LOCATION	L0163699	VOLUME	664214.346	4269278.204	64.68
LOCATION	L0163700	VOLUME	664222.942	4269278.468	65.11
LOCATION	L0163701	VOLUME	664231.538	4269278.733	65.55
LOCATION	L0163702	VOLUME	664240.134	4269278.997	65.35
LOCATION	L0163703	VOLUME	664248.730	4269279.261	64.96
LOCATION	L0163704	VOLUME	664257.326	4269279.525	64.58
LOCATION	L0163705	VOLUME	664265.922	4269279.789	63.41
LOCATION	L0163706	VOLUME	664274.518	4269280.053	62.21
LOCATION	L0163707	VOLUME	664283.114	4269280.317	61.03
LOCATION	L0163708	VOLUME	664291.710	4269280.581	59.95
LOCATION	L0163709	VOLUME	664300.306	4269280.845	58.87
LOCATION	L0163710	VOLUME	664308.902	4269281.109	57.97
LOCATION	L0163711	VOLUME	664317.498	4269281.373	57.46
LOCATION	L0163712	VOLUME	664326.094	4269281.637	56.94

LOCATION	L0163713	VOLUME	664334.690	4269281.901	56.66
LOCATION	L0163714	VOLUME	664343.286	4269282.165	56.59
LOCATION	L0163715	VOLUME	664351.882	4269282.429	56.53
LOCATION	L0163716	VOLUME	664360.477	4269282.693	56.70
LOCATION	L0163717	VOLUME	664369.073	4269282.957	56.98
LOCATION	L0163718	VOLUME	664377.669	4269283.221	57.25
LOCATION	L0163719	VOLUME	664386.265	4269283.485	57.82
LOCATION	L0163720	VOLUME	664394.861	4269283.749	58.43
LOCATION	L0163721	VOLUME	664403.457	4269284.013	59.03
LOCATION	L0163722	VOLUME	664412.053	4269284.277	59.69
LOCATION	L0163723	VOLUME	664420.649	4269284.541	60.35
LOCATION	L0163724	VOLUME	664429.245	4269284.805	61.01
LOCATION	L0163725	VOLUME	664437.841	4269285.069	61.66
LOCATION	L0163726	VOLUME	664446.437	4269285.334	62.31
LOCATION	L0163727	VOLUME	664455.033	4269285.598	63.00
LOCATION	L0163728	VOLUME	664463.629	4269285.862	63.71
LOCATION	L0163729	VOLUME	664472.225	4269286.126	64.42
LOCATION	L0163730	VOLUME	664480.821	4269286.390	65.09
LOCATION	L0163731	VOLUME	664489.417	4269286.654	65.72
LOCATION	L0163732	VOLUME	664498.013	4269286.918	66.35
LOCATION	L0163733	VOLUME	664506.609	4269287.182	66.73
LOCATION	L0163734	VOLUME	664515.205	4269287.446	67.06
LOCATION	L0163735	VOLUME	664523.800	4269287.710	67.39
LOCATION	L0163736	VOLUME	664532.396	4269287.974	67.56
LOCATION	L0163737	VOLUME	664540.992	4269288.238	67.73
LOCATION	L0163738	VOLUME	664549.588	4269288.502	67.90
LOCATION	L0163739	VOLUME	664558.184	4269288.766	68.05
LOCATION	L0163740	VOLUME	664566.780	4269289.030	68.20
LOCATION	L0163741	VOLUME	664575.376	4269289.294	68.44
LOCATION	L0163742	VOLUME	664583.972	4269289.558	68.82
LOCATION	L0163743	VOLUME	664592.568	4269289.822	69.20
LOCATION	L0163744	VOLUME	664601.164	4269290.086	69.88
LOCATION	L0163745	VOLUME	664609.760	4269290.350	70.81
LOCATION	L0163746	VOLUME	664618.356	4269290.614	71.74
LOCATION	L0163747	VOLUME	664626.952	4269290.878	73.03
LOCATION	L0163748	VOLUME	664635.548	4269291.142	74.46
LOCATION	L0163749	VOLUME	664644.144	4269291.406	75.88
LOCATION	L0163750	VOLUME	664652.740	4269291.670	76.28
LOCATION	L0163751	VOLUME	664661.336	4269291.934	76.60
LOCATION	L0163752	VOLUME	664669.932	4269292.199	76.75
LOCATION	L0163753	VOLUME	664678.527	4269292.463	75.56
LOCATION	L0163754	VOLUME	664687.123	4269292.727	74.36
LOCATION	L0163755	VOLUME	664695.719	4269292.991	73.19
LOCATION	L0163756	VOLUME	664704.315	4269293.255	72.09
LOCATION	L0163757	VOLUME	664712.911	4269293.519	71.00
LOCATION	L0163758	VOLUME	664721.507	4269293.783	70.66
LOCATION	L0163759	VOLUME	664730.103	4269294.047	71.16
LOCATION	L0163760	VOLUME	664738.699	4269294.311	71.67
LOCATION	L0163761	VOLUME	664747.295	4269294.575	72.06
LOCATION	L0163762	VOLUME	664755.891	4269294.839	72.38

LOCATION	L0163763	VOLUME	664764.487	4269295.103	72.70
LOCATION	L0163764	VOLUME	664773.083	4269295.367	72.23
LOCATION	L0163765	VOLUME	664781.679	4269295.631	71.61
LOCATION	L0163766	VOLUME	664790.275	4269295.895	70.97
LOCATION	L0163767	VOLUME	664798.871	4269296.159	69.96
LOCATION	L0163768	VOLUME	664807.467	4269296.423	68.94
LOCATION	L0163769	VOLUME	664816.063	4269296.687	68.09
LOCATION	L0163770	VOLUME	664824.659	4269296.951	67.81
LOCATION	L0163771	VOLUME	664833.255	4269297.215	67.53
LOCATION	L0163772	VOLUME	664841.850	4269297.479	67.48
LOCATION	L0163773	VOLUME	664850.446	4269297.743	67.77
LOCATION	L0163774	VOLUME	664859.042	4269298.007	68.07
LOCATION	L0163775	VOLUME	664867.638	4269298.271	68.42
LOCATION	L0163776	VOLUME	664876.234	4269298.535	68.81
LOCATION	L0163777	VOLUME	664884.830	4269298.800	69.20
LOCATION	L0163778	VOLUME	664893.426	4269299.064	69.77
LOCATION	L0163779	VOLUME	664902.022	4269299.328	70.39
LOCATION	L0163780	VOLUME	664910.618	4269299.592	71.02
LOCATION	L0163781	VOLUME	664919.214	4269299.856	71.69
LOCATION	L0163782	VOLUME	664922.816	4269304.643	72.19
LOCATION	L0163783	VOLUME	664922.231	4269313.223	72.55
LOCATION	L0163784	VOLUME	664921.646	4269321.804	72.92
LOCATION	L0163785	VOLUME	664921.061	4269330.384	73.11
LOCATION	L0163786	VOLUME	664920.476	4269338.964	73.16
LOCATION	L0163787	VOLUME	664919.891	4269347.544	73.21
LOCATION	L0163788	VOLUME	664919.306	4269356.124	73.25
LOCATION	L0163789	VOLUME	664918.721	4269364.704	72.40
LOCATION	L0163790	VOLUME	664918.136	4269373.284	71.50
LOCATION	L0163791	VOLUME	664917.551	4269381.864	70.59
LOCATION	L0163792	VOLUME	664916.966	4269390.444	69.74
LOCATION	L0163793	VOLUME	664916.381	4269399.024	69.03
LOCATION	L0163794	VOLUME	664915.796	4269407.604	68.33
LOCATION	L0163795	VOLUME	664915.211	4269416.184	67.64
LOCATION	L0163796	VOLUME	664914.626	4269424.765	67.85
LOCATION	L0163797	VOLUME	664914.041	4269433.345	68.35
LOCATION	L0163798	VOLUME	664913.456	4269441.925	68.86
LOCATION	L0163799	VOLUME	664912.871	4269450.505	69.47
LOCATION	L0163800	VOLUME	664912.286	4269459.085	70.45
LOCATION	L0163801	VOLUME	664911.701	4269467.665	71.42
LOCATION	L0163802	VOLUME	664911.116	4269476.245	72.37
LOCATION	L0163803	VOLUME	664910.531	4269484.825	73.45
LOCATION	L0163804	VOLUME	664909.946	4269493.405	74.62
LOCATION	L0163805	VOLUME	664909.361	4269501.985	75.78
LOCATION	L0163806	VOLUME	664908.776	4269510.565	76.93
LOCATION	L0163807	VOLUME	664908.191	4269519.145	77.61
LOCATION	L0163808	VOLUME	664907.606	4269527.725	78.30
LOCATION	L0163809	VOLUME	664907.021	4269536.306	79.01
LOCATION	L0163810	VOLUME	664906.436	4269544.886	79.47
LOCATION	L0163811	VOLUME	664905.851	4269553.466	79.58
LOCATION	L0163812	VOLUME	664905.266	4269562.046	79.64

LOCATION	L0163813	VOLUME	664904.681	4269570.626	79.69
LOCATION	L0163814	VOLUME	664904.096	4269579.206	79.93
LOCATION	L0163815	VOLUME	664903.511	4269587.786	80.22
LOCATION	L0163816	VOLUME	664896.964	4269589.529	79.47
LOCATION	L0163817	VOLUME	664888.384	4269588.939	78.36
LOCATION	L0163818	VOLUME	664879.805	4269588.350	77.22
LOCATION	L0163819	VOLUME	664871.225	4269587.760	75.92
LOCATION	L0163820	VOLUME	664862.645	4269587.171	74.62
LOCATION	L0163821	VOLUME	664854.065	4269586.581	73.44
LOCATION	L0163822	VOLUME	664845.486	4269585.992	72.59
LOCATION	L0163823	VOLUME	664836.906	4269585.403	71.74
LOCATION	L0163824	VOLUME	664828.326	4269584.813	70.87
LOCATION	L0163825	VOLUME	664819.746	4269584.224	69.99
LOCATION	L0163826	VOLUME	664811.166	4269583.634	69.12
LOCATION	L0163827	VOLUME	664802.587	4269583.045	68.42
LOCATION	L0163828	VOLUME	664794.007	4269582.455	67.79
LOCATION	L0163829	VOLUME	664785.427	4269581.866	67.18
LOCATION	L0163830	VOLUME	664776.847	4269581.276	67.31
LOCATION	L0163831	VOLUME	664768.268	4269580.687	67.56
LOCATION	L0163832	VOLUME	664759.688	4269580.098	67.82
LOCATION	L0163833	VOLUME	664751.108	4269579.508	67.99
LOCATION	L0163834	VOLUME	664742.528	4269578.919	68.14
LOCATION	L0163835	VOLUME	664733.948	4269578.329	68.27
LOCATION	L0163836	VOLUME	664725.369	4269577.740	68.38
LOCATION	L0163837	VOLUME	664716.789	4269577.150	68.49
LOCATION	L0163838	VOLUME	664708.209	4269576.561	68.71
LOCATION	L0163839	VOLUME	664699.629	4269575.971	69.08
LOCATION	L0163840	VOLUME	664691.050	4269575.382	69.47
LOCATION	L0163841	VOLUME	664682.470	4269574.792	69.63
LOCATION	L0163842	VOLUME	664673.890	4269574.203	69.61
LOCATION	L0163843	VOLUME	664665.310	4269573.614	69.60
LOCATION	L0163844	VOLUME	664656.730	4269573.024	69.30
LOCATION	L0163845	VOLUME	664648.151	4269572.435	68.90
LOCATION	L0163846	VOLUME	664639.571	4269571.845	68.49
LOCATION	L0163847	VOLUME	664630.991	4269571.256	68.08
LOCATION	L0163848	VOLUME	664622.411	4269570.666	67.67
LOCATION	L0163849	VOLUME	664613.832	4269570.077	67.25
LOCATION	L0163850	VOLUME	664605.252	4269569.487	66.70
LOCATION	L0163851	VOLUME	664596.672	4269568.898	66.16
LOCATION	L0163852	VOLUME	664588.092	4269568.309	65.49
LOCATION	L0163853	VOLUME	664579.512	4269567.719	64.50
LOCATION	L0163854	VOLUME	664570.933	4269567.130	63.52
LOCATION	L0163855	VOLUME	664562.353	4269566.540	62.65
LOCATION	L0163856	VOLUME	664553.773	4269565.951	61.88
LOCATION	L0163857	VOLUME	664545.193	4269565.361	61.12
LOCATION	L0163858	VOLUME	664536.614	4269564.772	60.60
LOCATION	L0163859	VOLUME	664528.034	4269564.182	60.20
LOCATION	L0163860	VOLUME	664519.454	4269563.593	59.80
LOCATION	L0163861	VOLUME	664510.874	4269563.003	59.61
LOCATION	L0163862	VOLUME	664502.294	4269562.414	59.45

LOCATION	L0163863	VOLUME	664493.715	4269561.825	59.29
LOCATION	L0163864	VOLUME	664485.135	4269561.235	59.13
LOCATION	L0163865	VOLUME	664476.555	4269560.646	58.98
LOCATION	L0163866	VOLUME	664467.975	4269560.056	58.88
LOCATION	L0163867	VOLUME	664459.396	4269559.467	59.04
LOCATION	L0163868	VOLUME	664450.816	4269558.877	59.19
LOCATION	L0163869	VOLUME	664442.236	4269558.288	59.49
LOCATION	L0163870	VOLUME	664433.656	4269557.698	59.98
LOCATION	L0163871	VOLUME	664425.077	4269557.109	60.47
LOCATION	L0163872	VOLUME	664416.497	4269556.520	60.72
LOCATION	L0163873	VOLUME	664407.917	4269555.930	60.80
LOCATION	L0163874	VOLUME	664399.337	4269555.341	60.87
LOCATION	L0163875	VOLUME	664390.757	4269554.751	60.76
LOCATION	L0163876	VOLUME	664382.178	4269554.162	60.59
LOCATION	L0163877	VOLUME	664373.598	4269553.572	60.41
LOCATION	L0163878	VOLUME	664365.018	4269552.983	60.43
LOCATION	L0163879	VOLUME	664356.438	4269552.393	60.47
LOCATION	L0163880	VOLUME	664347.859	4269551.804	60.57
LOCATION	L0163881	VOLUME	664339.279	4269551.214	61.12
LOCATION	L0163882	VOLUME	664330.699	4269550.625	61.67
LOCATION	L0163883	VOLUME	664322.119	4269550.036	62.19
LOCATION	L0163884	VOLUME	664313.539	4269549.446	62.65
LOCATION	L0163885	VOLUME	664304.960	4269548.857	63.11
LOCATION	L0163886	VOLUME	664296.380	4269548.267	63.44
LOCATION	L0163887	VOLUME	664287.800	4269547.678	63.63
LOCATION	L0163888	VOLUME	664279.220	4269547.088	63.83
LOCATION	L0163889	VOLUME	664270.641	4269546.499	64.02
LOCATION	L0163890	VOLUME	664262.061	4269545.909	64.22
LOCATION	L0163891	VOLUME	664253.481	4269545.320	64.42
LOCATION	L0163892	VOLUME	664244.901	4269544.731	64.73
LOCATION	L0163893	VOLUME	664236.321	4269544.141	65.05
LOCATION	L0163894	VOLUME	664227.742	4269543.552	65.40
LOCATION	L0163895	VOLUME	664219.162	4269542.962	66.03
LOCATION	L0163896	VOLUME	664210.582	4269542.373	66.67
LOCATION	L0163897	VOLUME	664202.002	4269541.783	67.32
LOCATION	L0163898	VOLUME	664193.423	4269541.194	68.02
LOCATION	L0163899	VOLUME	664184.843	4269540.604	68.71
LOCATION	L0163900	VOLUME	664176.263	4269540.015	69.35
LOCATION	L0163901	VOLUME	664167.683	4269539.425	69.88
LOCATION	L0163902	VOLUME	664159.103	4269538.836	70.41
LOCATION	L0163903	VOLUME	664150.524	4269538.247	70.72
LOCATION	L0163904	VOLUME	664141.944	4269537.657	70.89
LOCATION	L0163905	VOLUME	664133.364	4269537.068	71.04
LOCATION	L0163906	VOLUME	664124.784	4269536.478	70.73
LOCATION	L0163907	VOLUME	664116.205	4269535.889	70.26
LOCATION	L0163908	VOLUME	664107.625	4269535.299	69.78
LOCATION	L0163909	VOLUME	664099.045	4269534.710	69.25
LOCATION	L0163910	VOLUME	664090.465	4269534.120	68.72
LOCATION	L0163911	VOLUME	664081.885	4269533.531	68.21
LOCATION	L0163912	VOLUME	664073.306	4269532.942	67.82

LOCATION	L0163913	VOLUME	664064.726	4269532.352	67.43
LOCATION	L0163914	VOLUME	664056.146	4269531.763	67.00
LOCATION	L0163915	VOLUME	664047.566	4269531.173	66.50
LOCATION	L0163916	VOLUME	664039.881	4269531.639	66.09
LOCATION	L0163917	VOLUME	664039.059	4269540.199	66.34
LOCATION	L0163918	VOLUME	664038.237	4269548.760	66.60
LOCATION	L0163919	VOLUME	664037.414	4269557.321	66.80
LOCATION	L0163920	VOLUME	664036.592	4269565.881	66.91
LOCATION	L0163921	VOLUME	664035.770	4269574.442	67.02
LOCATION	L0163922	VOLUME	664034.948	4269583.002	67.13
LOCATION	L0163923	VOLUME	664034.126	4269591.563	67.49
LOCATION	L0163924	VOLUME	664033.303	4269600.124	67.93
LOCATION	L0163925	VOLUME	664032.481	4269608.684	68.38
LOCATION	L0163926	VOLUME	664031.659	4269617.245	68.82
LOCATION	L0163927	VOLUME	664030.837	4269625.805	69.31
LOCATION	L0163928	VOLUME	664030.015	4269634.366	69.79
LOCATION	L0163929	VOLUME	664029.192	4269642.927	70.26
LOCATION	L0163930	VOLUME	664028.370	4269651.487	70.49
LOCATION	L0163931	VOLUME	664027.548	4269660.048	70.55
LOCATION	L0163932	VOLUME	664026.726	4269668.608	70.61
LOCATION	L0163933	VOLUME	664025.904	4269677.169	70.66
LOCATION	L0163934	VOLUME	664025.081	4269685.730	70.36
LOCATION	L0163935	VOLUME	664024.259	4269694.290	70.05
LOCATION	L0163936	VOLUME	664023.437	4269702.851	69.73
LOCATION	L0163937	VOLUME	664022.615	4269711.412	69.54
LOCATION	L0163938	VOLUME	664021.793	4269719.972	69.58
LOCATION	L0163939	VOLUME	664020.970	4269728.533	69.63
LOCATION	L0163940	VOLUME	664020.148	4269737.093	69.71
LOCATION	L0163941	VOLUME	664019.326	4269745.654	70.06
LOCATION	L0163942	VOLUME	664018.504	4269754.215	70.49
LOCATION	L0163943	VOLUME	664017.682	4269762.775	70.93
LOCATION	L0163944	VOLUME	664016.859	4269771.336	71.30
LOCATION	L0163945	VOLUME	664016.037	4269779.896	71.36
LOCATION	L0163946	VOLUME	664015.215	4269788.457	71.43
LOCATION	L0163947	VOLUME	664014.393	4269797.018	71.50
LOCATION	L0163948	VOLUME	664013.571	4269805.578	71.09
LOCATION	L0163949	VOLUME	664012.748	4269814.139	70.34
LOCATION	L0163950	VOLUME	664011.926	4269822.699	69.60
LOCATION	L0163951	VOLUME	664011.104	4269831.260	68.85
LOCATION	L0163952	VOLUME	664010.282	4269839.821	68.04
LOCATION	L0163953	VOLUME	664009.460	4269848.381	67.23
LOCATION	L0163954	VOLUME	664008.637	4269856.942	66.43
LOCATION	L0163955	VOLUME	664007.815	4269865.502	65.85
LOCATION	L0163956	VOLUME	664006.993	4269874.063	65.64
LOCATION	L0163957	VOLUME	664006.171	4269882.624	65.42
LOCATION	L0163958	VOLUME	664005.348	4269891.184	65.20
LOCATION	L0163959	VOLUME	664004.526	4269899.745	65.27
LOCATION	L0163960	VOLUME	664003.704	4269908.305	65.41
LOCATION	L0163961	VOLUME	664002.882	4269916.866	65.55
LOCATION	L0163962	VOLUME	664002.060	4269925.427	65.71

LOCATION	L0163963	VOLUME	664001.237	4269933.987	66.00
LOCATION	L0163964	VOLUME	664000.415	4269942.548	66.28
LOCATION	L0163965	VOLUME	663999.593	4269951.108	66.55
LOCATION	L0163966	VOLUME	663998.771	4269959.669	66.89
LOCATION	L0163967	VOLUME	663997.949	4269968.230	67.27
LOCATION	L0163968	VOLUME	663997.126	4269976.790	67.64
LOCATION	L0163969	VOLUME	663996.304	4269985.351	68.01
LOCATION	L0163970	VOLUME	663995.482	4269993.912	68.31
LOCATION	L0163971	VOLUME	663994.660	4270002.472	68.62
LOCATION	L0163972	VOLUME	663993.838	4270011.033	68.92
LOCATION	L0163973	VOLUME	663993.015	4270019.593	69.15
LOCATION	L0163974	VOLUME	663992.193	4270028.154	69.29
LOCATION	L0163975	VOLUME	663991.371	4270036.715	69.45
LOCATION	L0163976	VOLUME	663990.549	4270045.275	69.62
LOCATION	L0163977	VOLUME	663989.727	4270053.836	69.65
LOCATION	L0163978	VOLUME	663988.904	4270062.396	69.66
LOCATION	L0163979	VOLUME	663988.082	4270070.957	69.68
LOCATION	L0163980	VOLUME	663987.260	4270079.518	69.67
LOCATION	L0163981	VOLUME	663986.438	4270088.078	69.48
LOCATION	L0163982	VOLUME	663985.616	4270096.639	69.28
LOCATION	L0163983	VOLUME	663984.793	4270105.199	69.07
LOCATION	L0163984	VOLUME	663983.971	4270113.760	68.96
LOCATION	L0163985	VOLUME	663983.149	4270122.321	68.90
LOCATION	L0163986	VOLUME	663982.327	4270130.881	68.83
LOCATION	L0163987	VOLUME	663981.505	4270139.442	68.76
LOCATION	L0163988	VOLUME	663980.682	4270148.002	68.78
LOCATION	L0163989	VOLUME	663979.860	4270156.563	68.79
LOCATION	L0163990	VOLUME	663979.038	4270165.124	68.81
LOCATION	L0163991	VOLUME	663978.216	4270173.684	68.84
LOCATION	L0163992	VOLUME	663977.394	4270182.245	68.90
LOCATION	L0163993	VOLUME	663976.571	4270190.805	68.96
LOCATION	L0163994	VOLUME	663975.749	4270199.366	69.02
LOCATION	L0163995	VOLUME	663974.927	4270207.927	69.13
LOCATION	L0163996	VOLUME	663974.105	4270216.487	69.26
LOCATION	L0163997	VOLUME	663973.282	4270225.048	69.39
LOCATION	L0163998	VOLUME	663972.460	4270233.608	69.52
LOCATION	L0163999	VOLUME	663971.638	4270242.169	69.64
LOCATION	L0164000	VOLUME	663970.816	4270250.730	69.76
LOCATION	L0164001	VOLUME	663969.994	4270259.290	69.88
LOCATION	L0164002	VOLUME	663969.171	4270267.851	69.88
LOCATION	L0164003	VOLUME	663968.349	4270276.412	69.81
LOCATION	L0164004	VOLUME	663967.527	4270284.972	69.75
LOCATION	L0164005	VOLUME	663966.705	4270293.533	69.71
LOCATION	L0164006	VOLUME	663965.883	4270302.093	69.62
LOCATION	L0164007	VOLUME	663965.060	4270310.654	69.55
LOCATION	L0164008	VOLUME	663964.238	4270319.215	69.50
LOCATION	L0164009	VOLUME	663963.416	4270327.775	69.49
LOCATION	L0164010	VOLUME	663962.594	4270336.336	69.48
LOCATION	L0164011	VOLUME	663961.772	4270344.896	69.45
LOCATION	L0164012	VOLUME	663960.949	4270353.457	69.37

LOCATION	L0164013	VOLUME	663960.127	4270362.018	69.30
LOCATION	L0164014	VOLUME	663959.305	4270370.578	69.21
LOCATION	L0164015	VOLUME	663958.483	4270379.139	69.10
LOCATION	L0164016	VOLUME	663957.661	4270387.699	69.00
LOCATION	L0164017	VOLUME	663956.838	4270396.260	68.98
LOCATION	L0164018	VOLUME	663956.016	4270404.821	68.99
LOCATION	L0164019	VOLUME	663955.194	4270413.381	69.02
LOCATION	L0164020	VOLUME	663954.372	4270421.942	69.80
LOCATION	L0164021	VOLUME	663953.550	4270430.502	70.94
LOCATION	L0164022	VOLUME	663952.727	4270439.063	72.09
LOCATION	L0164023	VOLUME	663951.905	4270447.624	73.27
LOCATION	L0164024	VOLUME	663951.083	4270456.184	74.35
LOCATION	L0164025	VOLUME	663950.261	4270464.745	75.42
LOCATION	L0164026	VOLUME	663949.439	4270473.305	76.45
LOCATION	L0164027	VOLUME	663948.616	4270481.866	76.88
LOCATION	L0164028	VOLUME	663947.794	4270490.427	76.65
LOCATION	L0164029	VOLUME	663946.972	4270498.987	76.40
LOCATION	L0164030	VOLUME	663946.150	4270507.548	76.12
LOCATION	L0164031	VOLUME	663945.328	4270516.108	74.89
LOCATION	L0164032	VOLUME	663944.505	4270524.669	73.57
LOCATION	L0164033	VOLUME	663943.683	4270533.230	72.28
LOCATION	L0164034	VOLUME	663942.861	4270541.790	71.31
LOCATION	L0164035	VOLUME	663942.039	4270550.351	71.08
LOCATION	L0164036	VOLUME	663941.216	4270558.912	70.86
LOCATION	L0164037	VOLUME	663940.394	4270567.472	70.67
LOCATION	L0164038	VOLUME	663939.572	4270576.033	70.61
LOCATION	L0164039	VOLUME	663938.750	4270584.593	70.62
LOCATION	L0164040	VOLUME	663937.928	4270593.154	70.63
LOCATION	L0164041	VOLUME	663937.105	4270601.715	70.67
LOCATION	L0164042	VOLUME	663936.283	4270610.275	70.96
LOCATION	L0164043	VOLUME	663935.461	4270618.836	71.25
LOCATION	L0164044	VOLUME	663934.639	4270627.396	71.55
LOCATION	L0164045	VOLUME	663933.817	4270635.957	72.23
LOCATION	L0164046	VOLUME	663932.994	4270644.518	73.29
LOCATION	L0164047	VOLUME	663932.172	4270653.078	74.34
LOCATION	L0164048	VOLUME	663931.350	4270661.639	75.38
LOCATION	L0164049	VOLUME	663930.528	4270670.199	77.00
LOCATION	L0164050	VOLUME	663929.706	4270678.760	78.67
LOCATION	L0164051	VOLUME	663928.883	4270687.321	80.33
LOCATION	L0164052	VOLUME	663928.061	4270695.881	81.77
LOCATION	L0164053	VOLUME	663920.678	4270696.857	81.32
LOCATION	L0164054	VOLUME	663912.088	4270696.438	80.52
LOCATION	L0164055	VOLUME	663903.499	4270696.019	79.32
LOCATION	L0164056	VOLUME	663894.909	4270695.600	78.13
LOCATION	L0164057	VOLUME	663886.319	4270695.181	77.30
LOCATION	L0164058	VOLUME	663877.729	4270694.762	77.06
LOCATION	L0164059	VOLUME	663869.139	4270694.343	76.83
LOCATION	L0164060	VOLUME	663860.550	4270693.924	76.94
LOCATION	L0164061	VOLUME	663851.960	4270693.505	77.32
LOCATION	L0164062	VOLUME	663843.370	4270693.086	77.70



LOCATION	L0164063	VOLUME	663834.780	4270692.667	77.70
LOCATION	L0164064	VOLUME	663826.191	4270692.248	77.58
LOCATION	L0164065	VOLUME	663817.601	4270691.829	77.48
LOCATION	L0164066	VOLUME	663809.011	4270691.410	76.22
LOCATION	L0164067	VOLUME	663800.421	4270690.991	74.89
LOCATION	L0164068	VOLUME	663791.831	4270690.572	73.57
LOCATION	L0164069	VOLUME	663783.242	4270690.153	72.28
LOCATION	L0164070	VOLUME	663774.652	4270689.734	71.01
LOCATION	L0164071	VOLUME	663766.062	4270689.315	69.81
LOCATION	L0164072	VOLUME	663757.472	4270688.896	68.79
LOCATION	L0164073	VOLUME	663748.882	4270688.477	67.76
LOCATION	L0164074	VOLUME	663740.293	4270688.058	66.89
LOCATION	L0164075	VOLUME	663731.703	4270687.639	66.17
LOCATION	L0164076	VOLUME	663723.113	4270687.220	65.44
LOCATION	L0164077	VOLUME	663714.523	4270686.801	65.02
LOCATION	L0164078	VOLUME	663705.934	4270686.382	64.75
LOCATION	L0164079	VOLUME	663697.344	4270685.963	64.47
LOCATION	L0164080	VOLUME	663688.754	4270685.544	64.22
LOCATION	L0164081	VOLUME	663680.164	4270685.125	63.97
LOCATION	L0164082	VOLUME	663671.574	4270684.706	63.72
LOCATION	L0164083	VOLUME	663662.985	4270684.287	63.57
LOCATION	L0164084	VOLUME	663657.514	4270687.346	63.41
LOCATION	L0164085	VOLUME	663656.999	4270695.931	63.97
LOCATION	L0164086	VOLUME	663656.484	4270704.515	64.56
LOCATION	L0164087	VOLUME	663655.969	4270713.100	65.16
LOCATION	L0164088	VOLUME	663655.454	4270721.685	65.77
LOCATION	L0164089	VOLUME	663654.939	4270730.269	66.41
LOCATION	L0164090	VOLUME	663654.424	4270738.854	67.05
LOCATION	L0164091	VOLUME	663653.909	4270747.438	67.69
LOCATION	L0164092	VOLUME	663653.394	4270756.023	68.63
LOCATION	L0164093	VOLUME	663652.879	4270764.607	69.64
LOCATION	L0164094	VOLUME	663652.364	4270773.192	70.65
LOCATION	L0164095	VOLUME	663651.849	4270781.777	71.75
LOCATION	L0164096	VOLUME	663651.334	4270790.361	73.22
LOCATION	L0164097	VOLUME	663650.819	4270798.946	74.69
LOCATION	L0164098	VOLUME	663650.303	4270807.530	76.17
LOCATION	L0164099	VOLUME	663649.788	4270816.115	77.29
LOCATION	L0164100	VOLUME	663649.273	4270824.699	78.18
LOCATION	L0164101	VOLUME	663648.758	4270833.284	79.07
LOCATION	L0164102	VOLUME	663648.243	4270841.868	79.93
LOCATION	L0164103	VOLUME	663647.728	4270850.453	79.87
LOCATION	L0164104	VOLUME	663647.213	4270859.038	79.83
LOCATION	L0164105	VOLUME	663646.698	4270867.622	79.79
LOCATION	L0164106	VOLUME	663646.183	4270876.207	79.48
LOCATION	L0164107	VOLUME	663645.668	4270884.791	78.83
LOCATION	L0164108	VOLUME	663645.153	4270893.376	78.20
LOCATION	L0164109	VOLUME	663644.638	4270901.960	77.59
LOCATION	L0164110	VOLUME	663644.123	4270910.545	76.51
LOCATION	L0164111	VOLUME	663643.607	4270919.130	75.34
LOCATION	L0164112	VOLUME	663643.092	4270927.714	74.18

LOCATION	L0164113	VOLUME	663642.577	4270936.299	72.84
LOCATION	L0164114	VOLUME	663642.062	4270944.883	70.95
LOCATION	L0164115	VOLUME	663641.547	4270953.468	69.06
LOCATION	L0164116	VOLUME	663641.032	4270962.052	67.16
LOCATION	L0164117	VOLUME	663640.517	4270970.637	66.24
LOCATION	L0164118	VOLUME	663640.002	4270979.221	65.79
LOCATION	L0164119	VOLUME	663639.487	4270987.806	65.34
LOCATION	L0164120	VOLUME	663638.972	4270996.391	65.01
LOCATION	L0164121	VOLUME	663638.457	4271004.975	65.99
LOCATION	L0164122	VOLUME	663637.942	4271013.560	66.96
LOCATION	L0164123	VOLUME	663637.427	4271022.144	67.94
LOCATION	L0164124	VOLUME	663636.912	4271030.729	68.25
LOCATION	L0164125	VOLUME	663636.396	4271039.313	67.89
LOCATION	L0164126	VOLUME	663635.881	4271047.898	67.50
LOCATION	L0164127	VOLUME	663635.366	4271056.483	67.10
LOCATION	L0164128	VOLUME	663634.851	4271065.067	66.34
LOCATION	L0164129	VOLUME	663634.336	4271073.652	65.54
LOCATION	L0164130	VOLUME	663633.821	4271082.236	64.74
LOCATION	L0164131	VOLUME	663633.306	4271090.821	63.71
LOCATION	L0164132	VOLUME	663632.791	4271099.405	62.22
LOCATION	L0164133	VOLUME	663632.276	4271107.990	60.76
LOCATION	L0164134	VOLUME	663631.761	4271116.574	59.31
LOCATION	L0164135	VOLUME	663631.246	4271125.159	58.55
LOCATION	L0164136	VOLUME	663630.731	4271133.744	58.04
LOCATION	L0164137	VOLUME	663630.216	4271142.328	57.54
LOCATION	L0164138	VOLUME	663629.700	4271150.913	57.27
LOCATION	L0164139	VOLUME	663629.185	4271159.497	58.26
LOCATION	L0164140	VOLUME	663628.670	4271168.082	59.25
LOCATION	L0164141	VOLUME	663628.155	4271176.666	60.26
LOCATION	L0164142	VOLUME	663627.640	4271185.251	61.68
LOCATION	L0164143	VOLUME	663627.125	4271193.836	63.44
LOCATION	L0164144	VOLUME	663626.610	4271202.420	65.22
LOCATION	L0164145	VOLUME	663626.095	4271211.005	67.02
LOCATION	L0164146	VOLUME	663625.580	4271219.589	68.06
LOCATION	L0164147	VOLUME	663625.065	4271228.174	69.10
LOCATION	L0164148	VOLUME	663624.550	4271236.758	70.16
LOCATION	L0164149	VOLUME	663624.035	4271245.343	70.40
LOCATION	L0164150	VOLUME	663623.520	4271253.927	69.34
LOCATION	L0164151	VOLUME	663623.005	4271262.512	68.31
LOCATION	L0164152	VOLUME	663622.489	4271271.097	67.32
LOCATION	L0164153	VOLUME	663621.974	4271279.681	66.91
LOCATION	L0164154	VOLUME	663621.459	4271288.266	66.63
LOCATION	L0164155	VOLUME	663620.944	4271296.850	66.35
LOCATION	L0164156	VOLUME	663620.429	4271305.435	66.18
LOCATION	L0164157	VOLUME	663619.914	4271314.019	66.46
LOCATION	L0164158	VOLUME	663619.399	4271322.604	66.73
LOCATION	L0164159	VOLUME	663618.884	4271331.188	66.97
LOCATION	L0164160	VOLUME	663618.369	4271339.773	66.91
LOCATION	L0164161	VOLUME	663617.854	4271348.358	66.64
LOCATION	L0164162	VOLUME	663617.339	4271356.942	66.34

LOCATION	L0164163	VOLUME	663616.824	4271365.527	66.02
LOCATION	L0164164	VOLUME	663616.309	4271374.111	65.80
LOCATION	L0164165	VOLUME	663615.794	4271382.696	65.56
LOCATION	L0164166	VOLUME	663615.278	4271391.280	65.29
LOCATION	L0164167	VOLUME	663614.763	4271399.865	64.92
LOCATION	L0164168	VOLUME	663614.248	4271408.450	64.44
LOCATION	L0164169	VOLUME	663613.733	4271417.034	63.95
LOCATION	L0164170	VOLUME	663613.218	4271425.619	63.44
LOCATION	L0164171	VOLUME	663612.703	4271434.203	62.47
LOCATION	L0164172	VOLUME	663612.188	4271442.788	61.40
LOCATION	L0164173	VOLUME	663611.673	4271451.372	60.32
LOCATION	L0164174	VOLUME	663611.158	4271459.957	59.45
LOCATION	L0164175	VOLUME	663610.643	4271468.541	59.21
LOCATION	L0164176	VOLUME	663610.128	4271477.126	58.99
LOCATION	L0164177	VOLUME	663609.613	4271485.711	58.78
LOCATION	L0164178	VOLUME	663609.098	4271494.295	59.61
LOCATION	L0164179	VOLUME	663608.582	4271502.880	60.93
LOCATION	L0164180	VOLUME	663608.067	4271511.464	62.28
LOCATION	L0164181	VOLUME	663607.552	4271520.049	63.71
LOCATION	L0164182	VOLUME	663607.037	4271528.633	65.83
LOCATION	L0164183	VOLUME	663606.522	4271537.218	67.93
LOCATION	L0164184	VOLUME	663606.007	4271545.803	70.01
LOCATION	L0164185	VOLUME	663605.492	4271554.387	70.95
LOCATION	L0164186	VOLUME	663604.977	4271562.972	70.77
LOCATION	L0164187	VOLUME	663604.462	4271571.556	70.58
LOCATION	L0164188	VOLUME	663603.947	4271580.141	70.38
LOCATION	L0164189	VOLUME	663603.432	4271588.725	69.15
LOCATION	L0164190	VOLUME	663602.917	4271597.310	67.83
LOCATION	L0164191	VOLUME	663602.402	4271605.894	66.52
LOCATION	L0164192	VOLUME	663601.887	4271614.479	65.62
LOCATION	L0164193	VOLUME	663601.371	4271623.064	65.56
LOCATION	L0164194	VOLUME	663600.856	4271631.648	65.52
LOCATION	L0164195	VOLUME	663600.341	4271640.233	65.48
LOCATION	L0164196	VOLUME	663599.826	4271648.817	65.99
LOCATION	L0164197	VOLUME	663599.311	4271657.402	66.68
LOCATION	L0164198	VOLUME	663598.796	4271665.986	67.38
LOCATION	L0164199	VOLUME	663598.281	4271674.571	68.08
LOCATION	L0164200	VOLUME	663597.766	4271683.156	68.77
LOCATION	L0164201	VOLUME	663597.251	4271691.740	69.46
LOCATION	L0164202	VOLUME	663596.736	4271700.325	70.15
LOCATION	L0164203	VOLUME	663596.221	4271708.909	70.71
LOCATION	L0164204	VOLUME	663595.706	4271717.494	71.17
LOCATION	L0164205	VOLUME	663595.191	4271726.078	71.63
LOCATION	L0164206	VOLUME	663594.675	4271734.663	72.10
LOCATION	L0164207	VOLUME	663594.160	4271743.247	72.35
LOCATION	L0164208	VOLUME	663593.645	4271751.832	72.60
LOCATION	L0164209	VOLUME	663593.130	4271760.417	72.85
LOCATION	L0164210	VOLUME	663592.615	4271769.001	73.06
LOCATION	L0164211	VOLUME	663592.100	4271777.586	73.20
LOCATION	L0164212	VOLUME	663591.585	4271786.170	73.34

LOCATION	L0164213	VOLUME	663591.070	4271794.755	73.48
LOCATION	L0164214	VOLUME	663590.555	4271803.339	73.60
LOCATION	L0164215	VOLUME	663590.040	4271811.924	73.71
LOCATION	L0164216	VOLUME	663589.525	4271820.509	73.82
LOCATION	L0164217	VOLUME	663589.010	4271829.093	73.96
LOCATION	L0164218	VOLUME	663588.495	4271837.678	74.21
LOCATION	L0164219	VOLUME	663587.980	4271846.262	74.46
LOCATION	L0164220	VOLUME	663587.464	4271854.847	74.72
LOCATION	L0164221	VOLUME	663586.949	4271863.431	74.99
LOCATION	L0164222	VOLUME	663586.434	4271872.016	75.26
LOCATION	L0164223	VOLUME	663585.919	4271880.600	75.53
LOCATION	L0164224	VOLUME	663585.404	4271889.185	75.80
LOCATION	L0164225	VOLUME	663584.889	4271897.770	76.05
LOCATION	L0164226	VOLUME	663584.374	4271906.354	76.29
LOCATION	L0164227	VOLUME	663583.859	4271914.939	76.52
LOCATION	L0164228	VOLUME	663583.344	4271923.523	76.79
LOCATION	L0164229	VOLUME	663582.829	4271932.108	77.13
LOCATION	L0164230	VOLUME	663582.314	4271940.692	77.47
LOCATION	L0164231	VOLUME	663581.799	4271949.277	77.80
LOCATION	L0164232	VOLUME	663581.284	4271957.862	78.19
LOCATION	L0164233	VOLUME	663580.768	4271966.446	78.59
LOCATION	L0164234	VOLUME	663580.253	4271975.031	78.99
LOCATION	L0164235	VOLUME	663579.738	4271983.615	79.40
LOCATION	L0164236	VOLUME	663579.223	4271992.200	79.87
LOCATION	L0164237	VOLUME	663578.708	4272000.784	80.33
LOCATION	L0164238	VOLUME	663571.431	4272001.753	80.19
LOCATION	L0164239	VOLUME	663562.846	4272001.248	80.13
LOCATION	L0164240	VOLUME	663554.261	4272000.743	80.06
LOCATION	L0164241	VOLUME	663545.676	4272000.238	80.21
LOCATION	L0164242	VOLUME	663537.091	4271999.733	80.86
LOCATION	L0164243	VOLUME	663528.506	4271999.228	81.52
LOCATION	L0164244	VOLUME	663519.920	4271998.723	82.28
LOCATION	L0164245	VOLUME	663511.335	4271998.218	83.17
LOCATION	L0164246	VOLUME	663502.750	4271997.713	84.05
LOCATION	L0164247	VOLUME	663494.165	4271997.208	85.10
LOCATION	L0164248	VOLUME	663485.580	4271996.703	86.23
LOCATION	L0164249	VOLUME	663476.995	4271996.198	87.36
LOCATION	L0164250	VOLUME	663468.409	4271995.693	88.46
LOCATION	L0164251	VOLUME	663459.824	4271995.188	89.56
LOCATION	L0164252	VOLUME	663451.239	4271994.683	90.64
LOCATION	L0164253	VOLUME	663442.654	4271994.178	91.19
LOCATION	L0164254	VOLUME	663434.069	4271993.673	91.73
LOCATION	L0164255	VOLUME	663425.484	4271993.168	92.13
LOCATION	L0164256	VOLUME	663416.899	4271992.663	91.97
LOCATION	L0164257	VOLUME	663408.313	4271992.158	91.81
LOCATION	L0164258	VOLUME	663399.728	4271991.653	91.50
LOCATION	L0164259	VOLUME	663391.143	4271991.148	90.97
LOCATION	L0164260	VOLUME	663382.558	4271990.643	90.42
LOCATION	L0164261	VOLUME	663373.973	4271990.138	89.79
LOCATION	L0164262	VOLUME	663365.388	4271989.633	89.09

LOCATION	L0164263	VOLUME	663356.802	4271989.128	88.39
LOCATION	L0164264	VOLUME	663348.217	4271988.623	86.95
LOCATION	L0164265	VOLUME	663339.632	4271988.118	85.27
LOCATION	L0164266	VOLUME	663331.047	4271987.613	83.58
LOCATION	L0164267	VOLUME	663322.462	4271987.108	81.37
LOCATION	L0164268	VOLUME	663313.877	4271986.603	79.13
LOCATION	L0164269	VOLUME	663305.291	4271986.098	77.01
LOCATION	L0164270	VOLUME	663296.706	4271985.593	75.62
LOCATION	L0164271	VOLUME	663288.121	4271985.088	74.26
LOCATION	L0164272	VOLUME	663279.536	4271984.583	73.21
LOCATION	L0164273	VOLUME	663270.951	4271984.078	72.82
LOCATION	L0164274	VOLUME	663262.366	4271983.573	72.44
LOCATION	L0164275	VOLUME	663253.781	4271983.068	72.30
LOCATION	L0164276	VOLUME	663245.195	4271982.563	72.37
LOCATION	L0164277	VOLUME	663241.858	4271988.266	71.96
LOCATION	L0164278	VOLUME	663240.925	4271996.816	71.35
LOCATION	L0164279	VOLUME	663239.993	4272005.365	70.74
LOCATION	L0164280	VOLUME	663239.060	4272013.914	70.40
LOCATION	L0164281	VOLUME	663238.127	4272022.464	70.01
LOCATION	L0164282	VOLUME	663237.195	4272031.013	69.57
LOCATION	L0164283	VOLUME	663236.262	4272039.562	69.21
LOCATION	L0164284	VOLUME	663235.329	4272048.111	69.00
LOCATION	L0164285	VOLUME	663234.397	4272056.661	68.79
LOCATION	L0164286	VOLUME	663233.464	4272065.210	68.59
LOCATION	L0164287	VOLUME	663232.531	4272073.759	68.00
LOCATION	L0164288	VOLUME	663231.599	4272082.309	67.34
LOCATION	L0164289	VOLUME	663230.666	4272090.858	66.72
LOCATION	L0164290	VOLUME	663229.733	4272099.407	66.09
LOCATION	L0164291	VOLUME	663228.801	4272107.956	65.40
LOCATION	L0164292	VOLUME	663227.868	4272116.506	64.72
LOCATION	L0164293	VOLUME	663226.935	4272125.055	64.04
LOCATION	L0164294	VOLUME	663226.003	4272133.604	63.70
LOCATION	L0164295	VOLUME	663225.070	4272142.153	63.56
LOCATION	L0164296	VOLUME	663224.138	4272150.703	63.43
LOCATION	L0164297	VOLUME	663223.205	4272159.252	63.33
LOCATION	L0164298	VOLUME	663222.272	4272167.801	63.79
LOCATION	L0164299	VOLUME	663221.340	4272176.351	64.28
LOCATION	L0164300	VOLUME	663220.407	4272184.900	64.79
LOCATION	L0164301	VOLUME	663219.474	4272193.449	65.10
LOCATION	L0164302	VOLUME	663218.542	4272201.998	65.12
LOCATION	L0164303	VOLUME	663217.609	4272210.548	65.14
LOCATION	L0164304	VOLUME	663216.676	4272219.097	65.16
LOCATION	L0164305	VOLUME	663215.744	4272227.646	64.98
LOCATION	L0164306	VOLUME	663214.811	4272236.196	64.72
LOCATION	L0164307	VOLUME	663213.878	4272244.745	64.44
LOCATION	L0164308	VOLUME	663212.946	4272253.294	64.25
LOCATION	L0164309	VOLUME	663212.013	4272261.843	64.43
LOCATION	L0164310	VOLUME	663211.080	4272270.393	64.58
LOCATION	L0164311	VOLUME	663210.148	4272278.942	64.72
LOCATION	L0164312	VOLUME	663209.215	4272287.491	65.12

LOCATION	L0164313	VOLUME	663208.282	4272296.041	65.67
LOCATION	L0164314	VOLUME	663207.350	4272304.590	66.19
LOCATION	L0164315	VOLUME	663206.417	4272313.139	66.68
LOCATION	L0164316	VOLUME	663205.485	4272321.688	67.12
LOCATION	L0164317	VOLUME	663204.552	4272330.238	67.56
LOCATION	L0164318	VOLUME	663203.619	4272338.787	68.00
LOCATION	L0164319	VOLUME	663200.497	4272344.852	68.11
LOCATION	L0164320	VOLUME	663191.898	4272344.704	67.53
LOCATION	L0164321	VOLUME	663183.299	4272344.555	66.96
LOCATION	L0164322	VOLUME	663174.701	4272344.407	66.43
LOCATION	L0164323	VOLUME	663166.102	4272344.259	65.99
LOCATION	L0164324	VOLUME	663157.503	4272344.111	65.54
LOCATION	L0164325	VOLUME	663148.904	4272343.962	65.43
LOCATION	L0164326	VOLUME	663140.306	4272343.814	65.56
LOCATION	L0164327	VOLUME	663131.707	4272343.666	65.69
LOCATION	L0164328	VOLUME	663123.108	4272343.517	66.15
LOCATION	L0164329	VOLUME	663114.510	4272343.369	66.71
LOCATION	L0164330	VOLUME	663105.911	4272343.221	67.27
LOCATION	L0164331	VOLUME	663097.312	4272343.073	67.74
LOCATION	L0164332	VOLUME	663088.713	4272342.924	68.21
LOCATION	L0164333	VOLUME	663080.115	4272342.776	68.66
LOCATION	L0164334	VOLUME	663071.516	4272342.628	69.05
LOCATION	L0164335	VOLUME	663062.917	4272342.480	69.43
LOCATION	L0164336	VOLUME	663054.319	4272342.331	69.81
LOCATION	L0164337	VOLUME	663045.720	4272342.183	70.19
LOCATION	L0164338	VOLUME	663037.121	4272342.035	70.57
LOCATION	L0164339	VOLUME	663028.522	4272341.887	71.01
LOCATION	L0164340	VOLUME	663019.924	4272341.738	71.52
LOCATION	L0164341	VOLUME	663011.325	4272341.590	72.02
LOCATION	L0164342	VOLUME	663002.726	4272341.442	72.31
LOCATION	L0164343	VOLUME	662994.127	4272341.294	72.51
LOCATION	L0164344	VOLUME	662985.529	4272341.145	72.71
LOCATION	L0164345	VOLUME	662976.930	4272340.997	72.18
LOCATION	L0164346	VOLUME	662968.331	4272340.849	71.55
LOCATION	L0164347	VOLUME	662959.733	4272340.701	70.91
LOCATION	L0164348	VOLUME	662951.134	4272340.552	70.07
LOCATION	L0164349	VOLUME	662942.535	4272340.404	69.22
LOCATION	L0164350	VOLUME	662933.936	4272340.256	68.46
LOCATION	L0164351	VOLUME	662925.338	4272340.108	67.93
LOCATION	L0164352	VOLUME	662916.739	4272339.959	67.40
LOCATION	L0164353	VOLUME	662908.140	4272339.811	67.22
LOCATION	L0164354	VOLUME	662899.542	4272339.663	67.50
LOCATION	L0164355	VOLUME	662890.943	4272339.515	67.77
LOCATION	L0164356	VOLUME	662882.344	4272339.366	68.47
LOCATION	L0164357	VOLUME	662873.745	4272339.218	69.43
LOCATION	L0164358	VOLUME	662865.147	4272339.070	70.39
LOCATION	L0164359	VOLUME	662856.548	4272338.922	70.93
LOCATION	L0164360	VOLUME	662847.949	4272338.773	71.37
LOCATION	L0164361	VOLUME	662839.350	4272338.625	71.81
LOCATION	L0164362	VOLUME	662830.752	4272338.477	71.34

LOCATION	L0164363	VOLUME	662822.153	4272338.329	70.87
LOCATION	L0164364	VOLUME	662819.923	4272345.399	70.81
LOCATION	L0164365	VOLUME	662818.999	4272353.950	70.86
LOCATION	L0164366	VOLUME	662818.075	4272362.500	70.91
LOCATION	L0164367	VOLUME	662817.150	4272371.050	70.88
LOCATION	L0164368	VOLUME	662816.226	4272379.600	70.78
LOCATION	L0164369	VOLUME	662815.302	4272388.150	70.69
LOCATION	L0164370	VOLUME	662814.377	4272396.700	70.62
LOCATION	L0164371	VOLUME	662813.453	4272405.251	70.81
LOCATION	L0164372	VOLUME	662812.529	4272413.801	71.01
LOCATION	L0164373	VOLUME	662811.604	4272422.351	71.21
LOCATION	L0164374	VOLUME	662810.680	4272430.901	71.46
LOCATION	L0164375	VOLUME	662809.756	4272439.451	71.79
LOCATION	L0164376	VOLUME	662808.831	4272448.002	72.11
LOCATION	L0164377	VOLUME	662807.907	4272456.552	72.41
LOCATION	L0164378	VOLUME	662806.983	4272465.102	72.71
LOCATION	L0164379	VOLUME	662806.058	4272473.652	73.00
LOCATION	L0164380	VOLUME	662805.134	4272482.202	73.27
LOCATION	L0164381	VOLUME	662804.210	4272490.752	73.53
LOCATION	L0164382	VOLUME	662803.285	4272499.303	73.82
LOCATION	L0164383	VOLUME	662802.361	4272507.853	74.10
LOCATION	L0164384	VOLUME	662801.437	4272516.403	74.37
LOCATION	L0164385	VOLUME	662800.512	4272524.953	74.64
LOCATION	L0164386	VOLUME	662799.588	4272533.503	74.93
LOCATION	L0164387	VOLUME	662798.664	4272542.053	75.22
LOCATION	L0164388	VOLUME	662797.739	4272550.604	75.50
LOCATION	L0164389	VOLUME	662796.815	4272559.154	75.77
LOCATION	L0164390	VOLUME	662795.890	4272567.704	76.05
LOCATION	L0164391	VOLUME	662794.966	4272576.254	76.32
LOCATION	L0164392	VOLUME	662794.042	4272584.804	76.48
LOCATION	L0164393	VOLUME	662793.117	4272593.355	76.39
LOCATION	L0164394	VOLUME	662792.193	4272601.905	76.31
LOCATION	L0164395	VOLUME	662791.269	4272610.455	76.24
LOCATION	L0164396	VOLUME	662790.344	4272619.005	76.00
LOCATION	L0164397	VOLUME	662789.420	4272627.555	75.71
LOCATION	L0164398	VOLUME	662788.496	4272636.105	75.43
LOCATION	L0164399	VOLUME	662787.571	4272644.656	75.16
LOCATION	L0164400	VOLUME	662786.647	4272653.206	75.00
LOCATION	L0164401	VOLUME	662785.723	4272661.756	74.85
LOCATION	L0164402	VOLUME	662784.798	4272670.306	74.71
LOCATION	L0164403	VOLUME	662783.874	4272678.856	74.95
LOCATION	L0164404	VOLUME	662782.950	4272687.407	75.55
LOCATION	L0164405	VOLUME	662782.025	4272695.957	76.14
LOCATION	L0164406	VOLUME	662781.101	4272704.507	76.74
LOCATION	L0164407	VOLUME	662780.177	4272713.057	77.16
LOCATION	L0164408	VOLUME	662779.252	4272721.607	77.55
LOCATION	L0164409	VOLUME	662778.328	4272730.157	77.92
LOCATION	L0164410	VOLUME	662777.404	4272738.708	78.06
LOCATION	L0164411	VOLUME	662776.479	4272747.258	77.73
LOCATION	L0164412	VOLUME	662775.555	4272755.808	77.40

LOCATION	L0164413	VOLUME	662774.631	4272764.358	77.06
LOCATION	L0164414	VOLUME	662773.706	4272772.908	77.00
LOCATION	L0164415	VOLUME	662772.782	4272781.459	77.03
LOCATION	L0164416	VOLUME	662771.858	4272790.009	77.06
LOCATION	L0164417	VOLUME	662770.933	4272798.559	77.15
LOCATION	L0164418	VOLUME	662770.009	4272807.109	77.60
LOCATION	L0164419	VOLUME	662769.085	4272815.659	78.06
LOCATION	L0164420	VOLUME	662768.160	4272824.209	78.51
LOCATION	L0164421	VOLUME	662761.185	4272825.863	78.13
LOCATION	L0164422	VOLUME	662752.587	4272825.668	77.50
LOCATION	L0164423	VOLUME	662743.990	4272825.473	76.86
LOCATION	L0164424	VOLUME	662735.392	4272825.277	76.21
LOCATION	L0164425	VOLUME	662726.794	4272825.082	76.06
LOCATION	L0164426	VOLUME	662718.196	4272824.886	76.14
LOCATION	L0164427	VOLUME	662709.598	4272824.691	76.22
LOCATION	L0164428	VOLUME	662701.001	4272824.496	77.02
LOCATION	L0164429	VOLUME	662692.403	4272824.300	77.94
LOCATION	L0164430	VOLUME	662683.805	4272824.105	78.85
LOCATION	L0164431	VOLUME	662675.207	4272823.909	79.40
LOCATION	L0164432	VOLUME	662666.609	4272823.714	79.95
LOCATION	L0164433	VOLUME	662658.012	4272823.519	80.29
LOCATION	L0164434	VOLUME	662649.414	4272823.323	79.94
LOCATION	L0164435	VOLUME	662640.816	4272823.128	79.60
LOCATION	L0164436	VOLUME	662632.218	4272822.932	79.07
LOCATION	L0164437	VOLUME	662623.621	4272822.737	78.28
LOCATION	L0164438	VOLUME	662615.023	4272822.542	77.50
LOCATION	L0164439	VOLUME	662606.425	4272822.346	76.80
LOCATION	L0164440	VOLUME	662597.827	4272822.151	76.16
LOCATION	L0164441	VOLUME	662589.229	4272821.955	75.52
LOCATION	L0164442	VOLUME	662580.632	4272821.760	75.22
LOCATION	L0164443	VOLUME	662572.034	4272821.565	75.01
LOCATION	L0164444	VOLUME	662563.436	4272821.369	74.80
LOCATION	L0164445	VOLUME	662554.838	4272821.174	74.60
LOCATION	L0164446	VOLUME	662546.241	4272820.978	74.40
LOCATION	L0164447	VOLUME	662537.643	4272820.783	74.15
LOCATION	L0164448	VOLUME	662529.045	4272820.588	73.67
LOCATION	L0164449	VOLUME	662520.447	4272820.392	73.20
LOCATION	L0164450	VOLUME	662511.849	4272820.197	72.60
LOCATION	L0164451	VOLUME	662503.252	4272820.001	71.77
LOCATION	L0164452	VOLUME	662494.654	4272819.806	70.93
LOCATION	L0164453	VOLUME	662486.056	4272819.611	70.17
LOCATION	L0164454	VOLUME	662477.924	4272819.939	69.51
LOCATION	L0164455	VOLUME	662477.105	4272828.500	69.36
LOCATION	L0164456	VOLUME	662476.286	4272837.061	69.10
LOCATION	L0164457	VOLUME	662475.467	4272845.622	68.84
LOCATION	L0164458	VOLUME	662474.648	4272854.182	68.49
LOCATION	L0164459	VOLUME	662473.829	4272862.743	67.53
LOCATION	L0164460	VOLUME	662473.010	4272871.304	66.60
LOCATION	L0164461	VOLUME	662472.191	4272879.865	65.68
LOCATION	L0164462	VOLUME	662471.373	4272888.426	65.48



LOCATION	L0164463	VOLUME	662470.554	4272896.987	65.92
LOCATION	L0164464	VOLUME	662469.735	4272905.548	66.39
LOCATION	L0164465	VOLUME	662468.916	4272914.109	66.88
LOCATION	L0164466	VOLUME	662468.097	4272922.670	68.21
LOCATION	L0164467	VOLUME	662467.278	4272931.231	69.59
LOCATION	L0164468	VOLUME	662466.459	4272939.792	70.96
LOCATION	L0164469	VOLUME	662465.640	4272948.353	71.83
LOCATION	L0164470	VOLUME	662464.822	4272956.914	71.73
LOCATION	L0164471	VOLUME	662464.003	4272965.475	71.63
LOCATION	L0164472	VOLUME	662463.184	4272974.035	71.53
LOCATION	L0164473	VOLUME	662462.365	4272982.596	70.59
LOCATION	L0164474	VOLUME	662461.546	4272991.157	69.38
LOCATION	L0164475	VOLUME	662460.727	4272999.718	68.16
LOCATION	L0164476	VOLUME	662459.908	4273008.279	67.07
LOCATION	L0164477	VOLUME	662459.089	4273016.840	66.67
LOCATION	L0164478	VOLUME	662458.271	4273025.401	66.27
LOCATION	L0164479	VOLUME	662457.452	4273033.962	65.85
LOCATION	L0164480	VOLUME	662456.633	4273042.523	65.70
LOCATION	L0164481	VOLUME	662455.814	4273051.084	65.77
LOCATION	L0164482	VOLUME	662454.995	4273059.645	65.84
LOCATION	L0164483	VOLUME	662454.176	4273068.206	65.91
LOCATION	L0164484	VOLUME	662453.357	4273076.767	66.06
LOCATION	L0164485	VOLUME	662452.539	4273085.327	66.23
LOCATION	L0164486	VOLUME	662451.720	4273093.888	66.42
LOCATION	L0164487	VOLUME	662450.901	4273102.449	66.82
LOCATION	L0164488	VOLUME	662450.082	4273111.010	67.59
LOCATION	L0164489	VOLUME	662449.263	4273119.571	68.39
LOCATION	L0164490	VOLUME	662448.444	4273128.132	69.23
LOCATION	L0164491	VOLUME	662447.625	4273136.693	70.13
LOCATION	L0164492	VOLUME	662446.806	4273145.254	71.06
LOCATION	L0164493	VOLUME	662445.988	4273153.815	72.00
LOCATION	L0164494	VOLUME	662445.169	4273162.376	72.95
LOCATION	L0164495	VOLUME	662444.350	4273170.937	73.88
LOCATION	L0164496	VOLUME	662443.531	4273179.498	74.77
LOCATION	L0164497	VOLUME	662442.712	4273188.059	75.61
LOCATION	L0164498	VOLUME	662441.893	4273196.620	76.42
LOCATION	L0164499	VOLUME	662441.074	4273205.180	77.24
LOCATION	L0164500	VOLUME	662440.255	4273213.741	78.07
LOCATION	L0164501	VOLUME	662439.437	4273222.302	78.92
LOCATION	L0164502	VOLUME	662438.618	4273230.863	79.04
LOCATION	L0164503	VOLUME	662437.799	4273239.424	79.18
LOCATION	L0164504	VOLUME	662436.980	4273247.985	79.35
LOCATION	L0164505	VOLUME	662436.161	4273256.546	79.40
LOCATION	L0164506	VOLUME	662435.342	4273265.107	79.27
LOCATION	L0164507	VOLUME	662434.523	4273273.668	79.18
LOCATION	L0164508	VOLUME	662433.704	4273282.229	79.12
LOCATION	L0164509	VOLUME	662432.886	4273290.790	78.12
LOCATION	L0164510	VOLUME	662432.067	4273299.351	76.76
LOCATION	L0164511	VOLUME	662431.248	4273307.912	75.36
LOCATION	L0164512	VOLUME	662430.429	4273316.472	74.06

LOCATION	L0164513	VOLUME	662429.610	4273325.033	72.99
LOCATION	L0164514	VOLUME	662428.791	4273333.594	71.90
LOCATION	L0164515	VOLUME	662427.972	4273342.155	70.79
LOCATION	L0164516	VOLUME	662427.154	4273350.716	70.71
LOCATION	L0164517	VOLUME	662426.335	4273359.277	71.27
LOCATION	L0164518	VOLUME	662425.516	4273367.838	71.78
LOCATION	L0164519	VOLUME	662424.697	4273376.399	72.24
LOCATION	L0164520	VOLUME	662423.878	4273384.960	73.53
LOCATION	L0164521	VOLUME	662423.059	4273393.521	74.81
LOCATION	L0164522	VOLUME	662422.240	4273402.082	76.08
LOCATION	L0164523	VOLUME	662421.421	4273410.643	77.26
LOCATION	L0164524	VOLUME	662420.603	4273419.204	78.34
LOCATION	L0164525	VOLUME	662419.784	4273427.765	79.43
LOCATION	L0164526	VOLUME	662418.965	4273436.325	80.52
LOCATION	L0164527	VOLUME	662418.146	4273444.886	81.13
LOCATION	L0164528	VOLUME	662417.327	4273453.447	81.64
LOCATION	L0164529	VOLUME	662416.508	4273462.008	82.18
LOCATION	L0164530	VOLUME	662415.689	4273470.569	82.69
LOCATION	L0164531	VOLUME	662414.870	4273479.130	83.10
LOCATION	L0164532	VOLUME	662414.052	4273487.691	83.55
LOCATION	L0164533	VOLUME	662413.233	4273496.252	84.03
LOCATION	L0164534	VOLUME	662412.414	4273504.813	84.51
LOCATION	L0164535	VOLUME	662411.595	4273513.374	85.00
LOCATION	L0164536	VOLUME	662410.776	4273521.935	85.50
LOCATION	L0164537	VOLUME	662409.957	4273530.496	86.02
LOCATION	L0164538	VOLUME	662409.138	4273539.057	86.54
LOCATION	L0164539	VOLUME	662408.319	4273547.617	87.03
LOCATION	L0164540	VOLUME	662407.501	4273556.178	87.49
LOCATION	L0164541	VOLUME	662406.682	4273564.739	87.85
LOCATION	L0164542	VOLUME	662405.863	4273573.300	88.10
LOCATION	L0164543	VOLUME	662400.968	4273577.000	87.91
LOCATION	L0164544	VOLUME	662392.395	4273576.315	86.74
LOCATION	L0164545	VOLUME	662383.823	4273575.629	85.57
LOCATION	L0164546	VOLUME	662375.250	4273574.943	84.34
LOCATION	L0164547	VOLUME	662366.678	4273574.257	83.02
LOCATION	L0164548	VOLUME	662358.105	4273573.571	81.70
LOCATION	L0164549	VOLUME	662349.532	4273572.886	80.87
LOCATION	L0164550	VOLUME	662340.960	4273572.200	80.38
LOCATION	L0164551	VOLUME	662332.387	4273571.514	79.89
LOCATION	L0164552	VOLUME	662323.815	4273570.828	80.21
LOCATION	L0164553	VOLUME	662315.242	4273570.142	80.81
LOCATION	L0164554	VOLUME	662306.669	4273569.457	81.38
LOCATION	L0164555	VOLUME	662298.097	4273568.771	80.75
LOCATION	L0164556	VOLUME	662289.524	4273568.085	80.02
LOCATION	L0164557	VOLUME	662280.952	4273567.399	79.29
LOCATION	L0164558	VOLUME	662272.379	4273566.713	78.46
LOCATION	L0164559	VOLUME	662263.806	4273566.028	77.63
LOCATION	L0164560	VOLUME	662255.234	4273565.342	77.17
LOCATION	L0164561	VOLUME	662246.661	4273564.656	77.62
LOCATION	L0164562	VOLUME	662240.880	4273561.559	77.96

LOCATION	L0164563	VOLUME	662241.447	4273552.978	78.13
LOCATION	L0164564	VOLUME	662242.015	4273544.397	78.38
LOCATION	L0164565	VOLUME	662242.583	4273535.816	78.60
LOCATION	L0164566	VOLUME	662243.151	4273527.234	78.79
LOCATION	L0164567	VOLUME	662243.719	4273518.653	79.96
LOCATION	L0164568	VOLUME	662244.287	4273510.072	81.19
LOCATION	L0164569	VOLUME	662244.855	4273501.491	82.43
LOCATION	L0164570	VOLUME	662245.423	4273492.909	83.30
LOCATION	L0164571	VOLUME	662245.990	4273484.328	83.52
LOCATION	L0164572	VOLUME	662246.558	4273475.747	83.74
LOCATION	L0164573	VOLUME	662247.126	4273467.166	83.97
LOCATION	L0164574	VOLUME	662247.694	4273458.584	83.46
LOCATION	L0164575	VOLUME	662248.262	4273450.003	82.75
LOCATION	L0164576	VOLUME	662248.830	4273441.422	82.04
LOCATION	L0164577	VOLUME	662249.398	4273432.841	81.32
LOCATION	L0164578	VOLUME	662249.966	4273424.260	80.45
LOCATION	L0164579	VOLUME	662250.533	4273415.678	79.57
LOCATION	L0164580	VOLUME	662251.101	4273407.097	78.68
LOCATION	L0164581	VOLUME	662251.669	4273398.516	78.46
LOCATION	L0164582	VOLUME	662252.237	4273389.935	78.69
LOCATION	L0164583	VOLUME	662252.805	4273381.353	78.91
LOCATION	L0164584	VOLUME	662253.373	4273372.772	79.14
LOCATION	L0164585	VOLUME	662253.941	4273364.191	80.06
LOCATION	L0164586	VOLUME	662254.509	4273355.610	81.02
LOCATION	L0164587	VOLUME	662255.076	4273347.028	82.00
LOCATION	L0164588	VOLUME	662255.644	4273338.447	82.68
LOCATION	L0164589	VOLUME	662256.212	4273329.866	82.92
LOCATION	L0164590	VOLUME	662256.780	4273321.285	83.16
LOCATION	L0164591	VOLUME	662257.348	4273312.704	83.39
LOCATION	L0164592	VOLUME	662257.916	4273304.122	82.93
LOCATION	L0164593	VOLUME	662258.484	4273295.541	82.32
LOCATION	L0164594	VOLUME	662259.052	4273286.960	81.71
LOCATION	L0164595	VOLUME	662259.619	4273278.379	81.12
LOCATION	L0164596	VOLUME	662260.187	4273269.797	80.63
LOCATION	L0164597	VOLUME	662260.755	4273261.216	80.15
LOCATION	L0164598	VOLUME	662261.323	4273252.635	79.69
LOCATION	L0164599	VOLUME	662261.891	4273244.054	79.26
LOCATION	L0164600	VOLUME	662262.459	4273235.472	78.85
LOCATION	L0164601	VOLUME	662263.027	4273226.891	78.45
LOCATION	L0164602	VOLUME	662263.595	4273218.310	78.07
LOCATION	L0164603	VOLUME	662264.162	4273209.729	77.84
LOCATION	L0164604	VOLUME	662264.730	4273201.148	77.61
LOCATION	L0164605	VOLUME	662265.298	4273192.566	77.38
LOCATION	L0164606	VOLUME	662265.866	4273183.985	77.16
LOCATION	L0164607	VOLUME	662266.434	4273175.404	76.95
LOCATION	L0164608	VOLUME	662267.002	4273166.823	76.74
LOCATION	L0164609	VOLUME	662267.570	4273158.241	76.52
LOCATION	L0164610	VOLUME	662268.138	4273149.660	76.07
LOCATION	L0164611	VOLUME	662268.705	4273141.079	75.58
LOCATION	L0164612	VOLUME	662269.273	4273132.498	75.09

LOCATION	L0164613	VOLUME	662269.841	4273123.916	74.57
LOCATION	L0164614	VOLUME	662270.409	4273115.335	73.97
LOCATION	L0164615	VOLUME	662270.977	4273106.754	73.39
LOCATION	L0164616	VOLUME	662271.545	4273098.173	72.81
LOCATION	L0164617	VOLUME	662272.113	4273089.592	72.46
LOCATION	L0164618	VOLUME	662272.681	4273081.010	72.22
LOCATION	L0164619	VOLUME	662273.248	4273072.429	71.97
LOCATION	L0164620	VOLUME	662273.816	4273063.848	71.77
LOCATION	L0164621	VOLUME	662274.384	4273055.267	71.88
LOCATION	L0164622	VOLUME	662274.952	4273046.685	71.98
LOCATION	L0164623	VOLUME	662275.520	4273038.104	72.09
LOCATION	L0164624	VOLUME	662276.088	4273029.523	71.99
LOCATION	L0164625	VOLUME	662276.656	4273020.942	71.71
LOCATION	L0164626	VOLUME	662277.224	4273012.360	71.44
LOCATION	L0164627	VOLUME	662277.791	4273003.779	71.15
LOCATION	L0164628	VOLUME	662278.359	4272995.198	70.72
LOCATION	L0164629	VOLUME	662278.927	4272986.617	70.27
LOCATION	L0164630	VOLUME	662279.495	4272978.036	69.82
LOCATION	L0164631	VOLUME	662280.063	4272969.454	69.40
LOCATION	L0164632	VOLUME	662280.631	4272960.873	69.01
LOCATION	L0164633	VOLUME	662281.199	4272952.292	68.62
LOCATION	L0164634	VOLUME	662281.767	4272943.711	68.24
LOCATION	L0164635	VOLUME	662282.334	4272935.129	68.00
LOCATION	L0164636	VOLUME	662282.902	4272926.548	67.80
LOCATION	L0164637	VOLUME	662283.470	4272917.967	67.60
LOCATION	L0164638	VOLUME	662284.038	4272909.386	67.37
LOCATION	L0164639	VOLUME	662284.606	4272900.804	67.05
LOCATION	L0164640	VOLUME	662285.174	4272892.223	66.71
LOCATION	L0164641	VOLUME	662285.742	4272883.642	66.37
LOCATION	L0164642	VOLUME	662286.310	4272875.061	65.93
LOCATION	L0164643	VOLUME	662286.877	4272866.480	65.41
LOCATION	L0164644	VOLUME	662287.445	4272857.898	64.89
LOCATION	L0164645	VOLUME	662288.013	4272849.317	64.37
LOCATION	L0164646	VOLUME	662288.581	4272840.736	64.18
LOCATION	L0164647	VOLUME	662289.149	4272832.155	63.99
LOCATION	L0164648	VOLUME	662289.717	4272823.573	63.81
LOCATION	L0164649	VOLUME	662290.285	4272814.992	63.70
LOCATION	L0164650	VOLUME	662290.853	4272806.411	63.69
LOCATION	L0164651	VOLUME	662291.420	4272797.830	63.69
LOCATION	L0164652	VOLUME	662291.988	4272789.248	63.68
LOCATION	L0164653	VOLUME	662292.556	4272780.667	63.61
LOCATION	L0164654	VOLUME	662293.124	4272772.086	63.52
LOCATION	L0164655	VOLUME	662293.692	4272763.505	63.42
LOCATION	L0164656	VOLUME	662294.260	4272754.924	63.37
LOCATION	L0164657	VOLUME	662294.828	4272746.342	63.42
LOCATION	L0164658	VOLUME	662295.396	4272737.761	63.47
LOCATION	L0164659	VOLUME	662295.963	4272729.180	63.52
LOCATION	L0164660	VOLUME	662296.531	4272720.599	63.60
LOCATION	L0164661	VOLUME	662297.099	4272712.017	63.70
LOCATION	L0164662	VOLUME	662297.667	4272703.436	63.78

LOCATION	L0164663	VOLUME	662298.235	4272694.855	63.88
LOCATION	L0164664	VOLUME	662298.803	4272686.274	64.66
LOCATION	L0164665	VOLUME	662299.371	4272677.692	65.43
LOCATION	L0164666	VOLUME	662299.939	4272669.111	66.20
LOCATION	L0164667	VOLUME	662292.697	4272667.784	67.15
LOCATION	L0164668	VOLUME	662284.097	4272667.719	68.13
LOCATION	L0164669	VOLUME	662275.497	4272667.654	69.07
LOCATION	L0164670	VOLUME	662266.898	4272667.589	69.12
LOCATION	L0164671	VOLUME	662258.298	4272667.524	69.16
LOCATION	L0164672	VOLUME	662249.698	4272667.459	69.16
LOCATION	L0164673	VOLUME	662241.098	4272667.394	69.02
LOCATION	L0164674	VOLUME	662232.499	4272667.328	68.88
LOCATION	L0164675	VOLUME	662223.899	4272667.263	68.69
LOCATION	L0164676	VOLUME	662215.299	4272667.198	68.44
LOCATION	L0164677	VOLUME	662206.699	4272667.133	68.20
LOCATION	L0164678	VOLUME	662198.100	4272667.068	67.91
LOCATION	L0164679	VOLUME	662189.500	4272667.003	67.61
LOCATION	L0164680	VOLUME	662180.900	4272666.938	67.30
LOCATION	L0164681	VOLUME	662172.300	4272666.872	67.24
LOCATION	L0164682	VOLUME	662163.701	4272666.807	67.25
LOCATION	L0164683	VOLUME	662155.101	4272666.742	67.26
LOCATION	L0164684	VOLUME	662146.501	4272666.677	67.41
LOCATION	L0164685	VOLUME	662137.901	4272666.612	67.58
LOCATION	L0164686	VOLUME	662129.302	4272666.547	67.70
LOCATION	L0164687	VOLUME	662120.702	4272666.481	67.62
LOCATION	L0164688	VOLUME	662112.102	4272666.416	67.55
LOCATION	L0164689	VOLUME	662103.502	4272666.351	67.43
LOCATION	L0164690	VOLUME	662094.903	4272666.286	67.23
LOCATION	L0164691	VOLUME	662086.303	4272666.221	67.03
LOCATION	L0164692	VOLUME	662077.703	4272666.156	66.83
LOCATION	L0164693	VOLUME	662069.103	4272666.091	66.64
LOCATION	L0164694	VOLUME	662060.504	4272666.025	66.45
LOCATION	L0164695	VOLUME	662051.904	4272665.960	66.30
LOCATION	L0164696	VOLUME	662043.304	4272665.895	66.16
LOCATION	L0164697	VOLUME	662034.704	4272665.830	66.03
LOCATION	L0164698	VOLUME	662026.105	4272665.765	66.10
LOCATION	L0164699	VOLUME	662017.505	4272665.700	66.18
LOCATION	L0164700	VOLUME	662008.905	4272665.635	66.28
LOCATION	L0164701	VOLUME	662000.305	4272665.569	66.44
LOCATION	L0164702	VOLUME	661991.706	4272665.504	66.61
LOCATION	L0164703	VOLUME	661983.106	4272665.439	66.77
LOCATION	L0164704	VOLUME	661974.506	4272665.374	66.92
LOCATION	L0164705	VOLUME	661965.906	4272665.309	67.08
LOCATION	L0164706	VOLUME	661957.307	4272665.244	67.23
LOCATION	L0164707	VOLUME	661948.707	4272665.179	67.38
LOCATION	L0164708	VOLUME	661940.107	4272665.113	67.53
LOCATION	L0164709	VOLUME	661931.507	4272665.048	67.70
LOCATION	L0164710	VOLUME	661922.908	4272664.983	67.87
LOCATION	L0164711	VOLUME	661914.308	4272664.918	68.05
LOCATION	L0164712	VOLUME	661905.708	4272664.853	68.20

LOCATION	L0164713	VOLUME	661897.108	4272664.788	68.36
LOCATION	L0164714	VOLUME	661888.509	4272664.722	68.51
LOCATION	L0164715	VOLUME	661879.909	4272664.657	68.59
LOCATION	L0164716	VOLUME	661871.309	4272664.592	68.67
LOCATION	L0164717	VOLUME	661862.709	4272664.527	68.74
LOCATION	L0164718	VOLUME	661854.110	4272664.462	68.81
LOCATION	L0164719	VOLUME	661845.510	4272664.397	68.87
LOCATION	L0164720	VOLUME	661836.910	4272664.332	68.96
LOCATION	L0164721	VOLUME	661828.310	4272664.266	69.06
LOCATION	L0164722	VOLUME	661819.711	4272664.201	69.16
LOCATION	L0164723	VOLUME	661811.111	4272664.136	69.35
LOCATION	L0164724	VOLUME	661802.511	4272664.071	69.61
LOCATION	L0164725	VOLUME	661793.911	4272664.006	69.87
LOCATION	L0164726	VOLUME	661785.312	4272663.941	70.11
LOCATION	L0164727	VOLUME	661776.712	4272663.876	70.34
LOCATION	L0164728	VOLUME	661768.112	4272663.810	70.57
LOCATION	L0164729	VOLUME	661759.512	4272663.745	70.81
LOCATION	L0164730	VOLUME	661750.913	4272663.680	71.04
LOCATION	L0164731	VOLUME	661742.313	4272663.615	71.30
LOCATION	L0164732	VOLUME	661733.713	4272663.550	71.69
LOCATION	L0164733	VOLUME	661725.113	4272663.485	72.07
LOCATION	L0164734	VOLUME	661716.514	4272663.419	72.48
LOCATION	L0164735	VOLUME	661707.914	4272663.354	72.92
LOCATION	L0164736	VOLUME	661699.314	4272663.289	73.37
LOCATION	L0164737	VOLUME	661690.714	4272663.224	73.69
LOCATION	L0164738	VOLUME	661682.114	4272663.159	73.91
LOCATION	L0164739	VOLUME	661673.515	4272663.094	74.13
LOCATION	L0164740	VOLUME	661664.915	4272663.029	74.31
LOCATION	L0164741	VOLUME	661656.315	4272662.963	74.49
LOCATION	L0164742	VOLUME	661647.715	4272662.898	74.67
LOCATION	L0164743	VOLUME	661639.116	4272662.833	75.01
LOCATION	L0164744	VOLUME	661630.516	4272662.768	75.37
LOCATION	L0164745	VOLUME	661621.916	4272662.703	75.74
LOCATION	L0164746	VOLUME	661613.316	4272662.638	76.02
LOCATION	L0164747	VOLUME	661604.717	4272662.573	76.31
LOCATION	L0164748	VOLUME	661596.117	4272662.507	76.52
LOCATION	L0164749	VOLUME	661587.517	4272662.442	76.51
LOCATION	L0164750	VOLUME	661578.917	4272662.377	76.51
LOCATION	L0164751	VOLUME	661570.318	4272662.312	76.57
LOCATION	L0164752	VOLUME	661561.718	4272662.247	76.72
LOCATION	L0164753	VOLUME	661553.118	4272662.182	76.87
LOCATION	L0164754	VOLUME	661544.518	4272662.116	77.17
LOCATION	L0164755	VOLUME	661535.919	4272662.051	77.57
LOCATION	L0164756	VOLUME	661527.319	4272661.986	77.97
LOCATION	L0164757	VOLUME	661518.719	4272661.921	78.32
LOCATION	L0164758	VOLUME	661510.119	4272661.856	78.66
LOCATION	L0164759	VOLUME	661501.520	4272661.791	79.00
LOCATION	L0164760	VOLUME	661492.920	4272661.726	79.36
LOCATION	L0164761	VOLUME	661484.320	4272661.660	79.72
LOCATION	L0164762	VOLUME	661475.720	4272661.595	80.09

LOCATION	L0164763	VOLUME	661467.121	4272661.530	80.50
LOCATION	L0164764	VOLUME	661458.521	4272661.465	80.92
LOCATION	L0164765	VOLUME	661449.921	4272661.400	81.30
LOCATION	L0164766	VOLUME	661441.321	4272661.335	81.62
LOCATION	L0164767	VOLUME	661432.722	4272661.270	81.94
LOCATION	L0164768	VOLUME	661430.454	4272655.339	81.99
LOCATION	L0164769	VOLUME	661431.045	4272646.759	81.90
LOCATION	L0164770	VOLUME	661431.637	4272638.180	81.42
LOCATION	L0164771	VOLUME	661432.229	4272629.600	80.95
LOCATION	L0164772	VOLUME	661432.821	4272621.020	80.49
LOCATION	L0164773	VOLUME	661433.412	4272612.441	80.09
LOCATION	L0164774	VOLUME	661434.004	4272603.861	79.77
LOCATION	L0164775	VOLUME	661434.596	4272595.282	79.45
LOCATION	L0164776	VOLUME	661435.187	4272586.702	79.14
LOCATION	L0164777	VOLUME	661435.779	4272578.122	78.76
LOCATION	L0164778	VOLUME	661436.371	4272569.543	78.37
LOCATION	L0164779	VOLUME	661436.962	4272560.963	77.97
LOCATION	L0164780	VOLUME	661437.554	4272552.383	77.55
LOCATION	L0164781	VOLUME	661438.146	4272543.804	77.08
LOCATION	L0164782	VOLUME	661438.738	4272535.224	76.60
LOCATION	L0164783	VOLUME	661439.329	4272526.645	76.13
LOCATION	L0164784	VOLUME	661439.921	4272518.065	75.61
LOCATION	L0164785	VOLUME	661440.513	4272509.485	75.07
LOCATION	L0164786	VOLUME	661441.104	4272500.906	74.52
LOCATION	L0164787	VOLUME	661441.696	4272492.326	73.99
LOCATION	L0164788	VOLUME	661442.288	4272483.746	73.70
LOCATION	L0164789	VOLUME	661442.879	4272475.167	73.39
LOCATION	L0164790	VOLUME	661446.766	4272470.065	73.17
LOCATION	L0164791	VOLUME	661455.365	4272469.937	73.05
LOCATION	L0164792	VOLUME	661463.965	4272469.809	72.92
LOCATION	L0164793	VOLUME	661472.564	4272469.680	72.80
LOCATION	L0164794	VOLUME	661481.163	4272469.552	72.67
LOCATION	L0164795	VOLUME	661489.762	4272469.423	72.92
LOCATION	L0164796	VOLUME	661498.361	4272469.295	73.17
LOCATION	L0164797	VOLUME	661506.960	4272469.167	73.41
LOCATION	L0164798	VOLUME	661515.559	4272469.038	73.62
LOCATION	L0164799	VOLUME	661524.158	4272468.910	73.83
LOCATION	L0164800	VOLUME	661532.757	4272468.782	74.01
LOCATION	L0164801	VOLUME	661541.356	4272468.653	74.12
LOCATION	L0164802	VOLUME	661549.955	4272468.525	74.23
LOCATION	L0164803	VOLUME	661558.554	4272468.397	74.42
LOCATION	L0164804	VOLUME	661567.153	4272468.268	74.68
LOCATION	L0164805	VOLUME	661575.752	4272468.140	74.94
LOCATION	L0164806	VOLUME	661584.351	4272468.012	75.26
LOCATION	L0164807	VOLUME	661592.950	4272467.883	75.60
LOCATION	L0164808	VOLUME	661601.549	4272467.755	75.94
LOCATION	L0164809	VOLUME	661610.148	4272467.627	76.06
LOCATION	L0164810	VOLUME	661618.747	4272467.498	76.16
LOCATION	L0164811	VOLUME	661627.346	4272467.370	76.22
LOCATION	L0164812	VOLUME	661635.945	4272467.242	75.97

LOCATION	L0164813	VOLUME	661644.544	4272467.113	75.72
LOCATION	L0164814	VOLUME	661653.143	4272466.985	75.46
LOCATION	L0164815	VOLUME	661661.743	4272466.857	75.18
LOCATION	L0164816	VOLUME	661670.342	4272466.728	74.89
LOCATION	L0164817	VOLUME	661678.941	4272466.600	74.59
LOCATION	L0164818	VOLUME	661687.540	4272466.472	74.27
LOCATION	L0164819	VOLUME	661696.139	4272466.343	73.95
LOCATION	L0164820	VOLUME	661704.738	4272466.215	73.55
LOCATION	L0164821	VOLUME	661713.337	4272466.087	73.11
LOCATION	L0164822	VOLUME	661721.936	4272465.958	72.67
LOCATION	L0164823	VOLUME	661730.535	4272465.830	72.22
LOCATION	L0164824	VOLUME	661739.134	4272465.702	71.76
LOCATION	L0164825	VOLUME	661747.733	4272465.573	71.31
LOCATION	L0164826	VOLUME	661756.332	4272465.445	71.10
LOCATION	L0164827	VOLUME	661764.931	4272465.316	70.89
LOCATION	L0164828	VOLUME	661773.530	4272465.188	70.72
LOCATION	L0164829	VOLUME	661782.129	4272465.060	70.71
LOCATION	L0164830	VOLUME	661790.728	4272464.931	70.69
LOCATION	L0164831	VOLUME	661799.327	4272464.803	70.58
LOCATION	L0164832	VOLUME	661807.926	4272464.675	70.35
LOCATION	L0164833	VOLUME	661816.525	4272464.546	70.12
LOCATION	L0164834	VOLUME	661825.124	4272464.418	69.93
LOCATION	L0164835	VOLUME	661833.723	4272464.290	69.77
LOCATION	L0164836	VOLUME	661842.322	4272464.161	69.61
LOCATION	L0164837	VOLUME	661850.921	4272464.033	69.46
LOCATION	L0164838	VOLUME	661859.520	4272463.905	69.31
LOCATION	L0164839	VOLUME	661868.120	4272463.776	69.17
LOCATION	L0164840	VOLUME	661876.719	4272463.648	68.80
LOCATION	L0164841	VOLUME	661884.847	4272463.018	68.44
LOCATION	L0164842	VOLUME	661885.524	4272454.445	68.15
LOCATION	L0164843	VOLUME	661886.201	4272445.871	67.86
LOCATION	L0164844	VOLUME	661886.877	4272437.298	67.64
LOCATION	L0164845	VOLUME	661887.554	4272428.725	67.52
LOCATION	L0164846	VOLUME	661888.231	4272420.151	67.40
LOCATION	L0164847	VOLUME	661888.908	4272411.578	67.29
LOCATION	L0164848	VOLUME	661889.585	4272403.005	67.26
LOCATION	L0164849	VOLUME	661890.262	4272394.431	67.26
LOCATION	L0164850	VOLUME	661890.938	4272385.858	67.26
LOCATION	L0164851	VOLUME	661891.615	4272377.285	67.25
LOCATION	L0164852	VOLUME	661892.292	4272368.711	67.21
LOCATION	L0164853	VOLUME	661892.969	4272360.138	67.16
LOCATION	L0164854	VOLUME	661893.646	4272351.565	67.12
LOCATION	L0164855	VOLUME	661894.323	4272342.991	67.20
LOCATION	L0164856	VOLUME	661894.999	4272334.418	67.37
LOCATION	L0164857	VOLUME	661895.676	4272325.845	67.55
LOCATION	L0164858	VOLUME	661896.353	4272317.271	67.72
LOCATION	L0164859	VOLUME	661897.030	4272308.698	68.00
LOCATION	L0164860	VOLUME	661897.707	4272300.125	68.29
LOCATION	L0164861	VOLUME	661898.384	4272291.551	68.57
LOCATION	L0164862	VOLUME	661899.061	4272282.978	68.86



LOCATION	L0164863	VOLUME	661899.737	4272274.405	69.16
LOCATION	L0164864	VOLUME	661900.414	4272265.831	69.47
LOCATION	L0164865	VOLUME	661901.091	4272257.258	69.77
LOCATION	L0164866	VOLUME	661901.768	4272248.685	70.15
LOCATION	L0164867	VOLUME	661902.445	4272240.111	70.54
LOCATION	L0164868	VOLUME	661903.122	4272231.538	70.93
LOCATION	L0164869	VOLUME	661903.798	4272222.965	71.37
LOCATION	L0164870	VOLUME	661904.475	4272214.391	71.97
LOCATION	L0164871	VOLUME	661905.152	4272205.818	72.57
LOCATION	L0164872	VOLUME	661905.829	4272197.245	73.17
LOCATION	L0164873	VOLUME	661906.506	4272188.671	74.00
LOCATION	L0164874	VOLUME	661907.183	4272180.098	74.97
LOCATION	L0164875	VOLUME	661907.859	4272171.525	75.94
LOCATION	L0164876	VOLUME	661908.536	4272162.952	76.93
LOCATION	L0164877	VOLUME	661909.213	4272154.378	78.26
LOCATION	L0164878	VOLUME	661909.890	4272145.805	79.59
LOCATION	L0164879	VOLUME	661910.567	4272137.232	80.91
LOCATION	L0164880	VOLUME	661911.244	4272128.658	82.39
LOCATION	L0164881	VOLUME	661911.921	4272120.085	84.05
LOCATION	L0164882	VOLUME	661912.597	4272111.512	85.72
LOCATION	L0164883	VOLUME	661913.274	4272102.938	87.38
LOCATION	L0164884	VOLUME	661913.951	4272094.365	88.52
LOCATION	L0164885	VOLUME	661914.628	4272085.792	89.57
LOCATION	L0164886	VOLUME	661915.305	4272077.218	90.61
LOCATION	L0164887	VOLUME	661915.982	4272068.645	91.40
LOCATION	L0164888	VOLUME	661916.658	4272060.072	91.47
LOCATION	L0164889	VOLUME	661917.335	4272051.498	91.53
LOCATION	L0164890	VOLUME	661918.012	4272042.925	91.58
LOCATION	L0164891	VOLUME	661918.689	4272034.352	91.38
LOCATION	L0164892	VOLUME	661919.366	4272025.778	91.05
LOCATION	L0164893	VOLUME	661920.043	4272017.205	90.71
LOCATION	L0164894	VOLUME	661920.719	4272008.632	90.38
LOCATION	L0164895	VOLUME	661921.396	4272000.058	90.19
LOCATION	L0164896	VOLUME	661922.073	4271991.485	90.01
LOCATION	L0164897	VOLUME	661922.750	4271982.912	89.84
LOCATION	L0164898	VOLUME	661923.427	4271974.338	89.72
LOCATION	L0164899	VOLUME	661924.104	4271965.765	89.68
LOCATION	L0164900	VOLUME	661924.781	4271957.192	89.67
LOCATION	L0164901	VOLUME	661925.457	4271948.618	89.67
LOCATION	L0164902	VOLUME	661926.134	4271940.045	89.34
LOCATION	L0164903	VOLUME	661926.811	4271931.472	88.98
LOCATION	L0164904	VOLUME	661927.488	4271922.898	88.64
LOCATION	L0164905	VOLUME	661928.165	4271914.325	88.36
LOCATION	L0164906	VOLUME	661928.842	4271905.752	88.21
LOCATION	L0164907	VOLUME	661929.518	4271897.178	88.06
LOCATION	L0164908	VOLUME	661930.195	4271888.605	87.93
LOCATION	L0164909	VOLUME	661930.872	4271880.032	87.65
LOCATION	L0164910	VOLUME	661931.549	4271871.459	87.32
LOCATION	L0164911	VOLUME	661932.226	4271862.885	86.98
LOCATION	L0164912	VOLUME	661932.903	4271854.312	86.65

LOCATION	L0164913	VOLUME	661933.579	4271845.739	86.22
LOCATION	L0164914	VOLUME	661934.256	4271837.165	85.81
LOCATION	L0164915	VOLUME	661934.933	4271828.592	85.42
LOCATION	L0164916	VOLUME	661935.610	4271820.019	85.33
LOCATION	L0164917	VOLUME	661936.287	4271811.445	85.52
LOCATION	L0164918	VOLUME	661936.964	4271802.872	85.70
LOCATION	L0164919	VOLUME	661937.640	4271794.299	85.89
LOCATION	L0164920	VOLUME	661938.317	4271785.725	85.91
LOCATION	L0164921	VOLUME	661938.994	4271777.152	85.91
LOCATION	L0164922	VOLUME	661939.671	4271768.579	85.91
LOCATION	L0164923	VOLUME	661940.348	4271760.005	85.57
LOCATION	L0164924	VOLUME	661941.025	4271751.432	84.58
LOCATION	L0164925	VOLUME	661941.702	4271742.859	83.60
LOCATION	L0164926	VOLUME	661942.378	4271734.285	82.62
LOCATION	L0164927	VOLUME	661943.055	4271725.712	81.20
LOCATION	L0164928	VOLUME	661943.732	4271717.139	79.63
LOCATION	L0164929	VOLUME	661947.753	4271712.241	78.94
LOCATION	L0164930	VOLUME	661956.351	4271712.378	79.48
LOCATION	L0164931	VOLUME	661964.950	4271712.514	79.62
LOCATION	L0164932	VOLUME	661973.549	4271712.651	79.75
LOCATION	L0164933	VOLUME	661982.148	4271712.787	79.80
LOCATION	L0164934	VOLUME	661990.747	4271712.924	79.49
LOCATION	L0164935	VOLUME	661999.346	4271713.060	79.17
LOCATION	L0164936	VOLUME	662007.945	4271713.197	78.73
LOCATION	L0164937	VOLUME	662016.544	4271713.333	78.06
LOCATION	L0164938	VOLUME	662025.143	4271713.470	77.40
LOCATION	L0164939	VOLUME	662033.742	4271713.606	76.58
LOCATION	L0164940	VOLUME	662042.341	4271713.743	75.64
LOCATION	L0164941	VOLUME	662050.940	4271713.879	74.69
LOCATION	L0164942	VOLUME	662059.538	4271714.016	73.66
LOCATION	L0164943	VOLUME	662068.137	4271714.152	72.60
LOCATION	L0164944	VOLUME	662076.736	4271714.289	71.54
LOCATION	L0164945	VOLUME	662085.335	4271714.425	70.76
LOCATION	L0164946	VOLUME	662093.934	4271714.562	69.99
LOCATION	L0164947	VOLUME	662102.533	4271714.698	69.25
LOCATION	L0164948	VOLUME	662111.132	4271714.835	68.68
LOCATION	L0164949	VOLUME	662119.731	4271714.971	68.12
LOCATION	L0164950	VOLUME	662128.330	4271715.108	67.59
LOCATION	L0164951	VOLUME	662136.929	4271715.244	67.14
LOCATION	L0164952	VOLUME	662145.528	4271715.381	66.69
LOCATION	L0164953	VOLUME	662154.127	4271715.517	66.28
LOCATION	L0164954	VOLUME	662162.725	4271715.654	65.91
LOCATION	L0164955	VOLUME	662171.324	4271715.790	65.53
LOCATION	L0164956	VOLUME	662179.923	4271715.927	65.20
LOCATION	L0164957	VOLUME	662188.522	4271716.063	64.88
LOCATION	L0164958	VOLUME	662197.121	4271716.200	64.56
LOCATION	L0164959	VOLUME	662205.720	4271716.336	64.31
LOCATION	L0164960	VOLUME	662214.319	4271716.473	64.08
LOCATION	L0164961	VOLUME	662222.918	4271716.609	63.85
LOCATION	L0164962	VOLUME	662231.517	4271716.746	63.69

LOCATION	L0164963	VOLUME	662240.116	4271716.882	63.52
LOCATION	L0164964	VOLUME	662248.715	4271717.019	63.34
LOCATION	L0164965	VOLUME	662257.314	4271717.155	63.13
LOCATION	L0164966	VOLUME	662265.912	4271717.292	62.92
LOCATION	L0164967	VOLUME	662274.511	4271717.428	62.68
LOCATION	L0164968	VOLUME	662283.110	4271717.565	62.40
LOCATION	L0164969	VOLUME	662291.709	4271717.701	62.12
LOCATION	L0164970	VOLUME	662300.308	4271717.838	61.89
LOCATION	L0164971	VOLUME	662308.907	4271717.974	61.70
LOCATION	L0164972	VOLUME	662317.506	4271718.111	61.50
LOCATION	L0164973	VOLUME	662326.105	4271718.247	61.36
LOCATION	L0164974	VOLUME	662334.704	4271718.384	61.24
LOCATION	L0164975	VOLUME	662343.303	4271718.520	61.12
LOCATION	L0164976	VOLUME	662351.902	4271718.657	60.95
LOCATION	L0164977	VOLUME	662359.335	4271717.613	60.80
LOCATION	L0164978	VOLUME	662359.299	4271709.013	60.69
LOCATION	L0164979	VOLUME	662359.263	4271700.413	60.60
LOCATION	L0164980	VOLUME	662359.227	4271691.813	60.50
LOCATION	L0164981	VOLUME	662359.192	4271683.214	60.40
LOCATION	L0164982	VOLUME	662359.156	4271674.614	60.27
LOCATION	L0164983	VOLUME	662359.120	4271666.014	60.10
LOCATION	L0164984	VOLUME	662359.085	4271657.414	59.93
LOCATION	L0164985	VOLUME	662359.049	4271648.814	59.76
LOCATION	L0164986	VOLUME	662359.013	4271640.214	59.67
LOCATION	L0164987	VOLUME	662358.978	4271631.614	59.58
LOCATION	L0164988	VOLUME	662358.942	4271623.014	59.50
LOCATION	L0164989	VOLUME	662358.906	4271614.414	59.41
LOCATION	L0164990	VOLUME	662358.871	4271605.814	59.34
LOCATION	L0164991	VOLUME	662358.835	4271597.214	59.26
LOCATION	L0164992	VOLUME	662358.799	4271588.614	59.18
LOCATION	L0164993	VOLUME	662358.764	4271580.014	59.13
LOCATION	L0164994	VOLUME	662358.728	4271571.414	59.09
LOCATION	L0164995	VOLUME	662358.692	4271562.815	59.05
LOCATION	L0164996	VOLUME	662358.657	4271554.215	59.01
LOCATION	L0164997	VOLUME	662358.621	4271545.615	58.97
LOCATION	L0164998	VOLUME	662358.585	4271537.015	58.93
LOCATION	L0164999	VOLUME	662358.549	4271528.415	58.89
LOCATION	L0165000	VOLUME	662358.514	4271519.815	58.85
LOCATION	L0165001	VOLUME	662358.478	4271511.215	58.81
LOCATION	L0165002	VOLUME	662358.442	4271502.615	58.77
LOCATION	L0165003	VOLUME	662358.407	4271494.015	58.74
LOCATION	L0165004	VOLUME	662358.371	4271485.415	58.62
LOCATION	L0165005	VOLUME	662358.335	4271476.815	58.50
LOCATION	L0165006	VOLUME	662358.300	4271468.215	58.39
LOCATION	L0165007	VOLUME	662358.264	4271459.615	58.26
LOCATION	L0165008	VOLUME	662358.228	4271451.016	58.13
LOCATION	L0165009	VOLUME	662358.193	4271442.416	57.99
LOCATION	L0165010	VOLUME	662358.157	4271433.816	57.84
LOCATION	L0165011	VOLUME	662358.121	4271425.216	57.90
LOCATION	L0165012	VOLUME	662358.086	4271416.616	58.01

LOCATION	L0165013	VOLUME	662358.050	4271408.016	58.12
LOCATION	L0165014	VOLUME	662358.014	4271399.416	58.23
LOCATION	L0165015	VOLUME	662357.979	4271390.816	58.36
LOCATION	L0165016	VOLUME	662357.943	4271382.216	58.49
LOCATION	L0165017	VOLUME	662357.907	4271373.616	58.62
LOCATION	L0165018	VOLUME	662357.871	4271365.016	58.71
LOCATION	L0165019	VOLUME	662357.836	4271356.416	58.78
LOCATION	L0165020	VOLUME	662357.800	4271347.816	58.84
LOCATION	L0165021	VOLUME	662357.764	4271339.216	58.90
LOCATION	L0165022	VOLUME	662357.729	4271330.617	58.85
LOCATION	L0165023	VOLUME	662357.693	4271322.017	58.81
LOCATION	L0165024	VOLUME	662357.657	4271313.417	58.76
LOCATION	L0165025	VOLUME	662357.622	4271304.817	58.72
LOCATION	L0165026	VOLUME	662357.586	4271296.217	58.68
LOCATION	L0165027	VOLUME	662357.550	4271287.617	58.64
LOCATION	L0165028	VOLUME	662357.515	4271279.017	58.61
LOCATION	L0165029	VOLUME	662357.479	4271270.417	58.55
LOCATION	L0165030	VOLUME	662357.443	4271261.817	58.48
LOCATION	L0165031	VOLUME	662357.408	4271253.217	58.41
LOCATION	L0165032	VOLUME	662357.372	4271244.617	58.36
LOCATION	L0165033	VOLUME	662357.336	4271236.017	58.34
LOCATION	L0165034	VOLUME	662357.301	4271227.417	58.31
LOCATION	L0165035	VOLUME	662357.265	4271218.818	58.29
LOCATION	L0165036	VOLUME	662357.229	4271210.218	58.29
LOCATION	L0165037	VOLUME	662357.193	4271201.618	58.30
LOCATION	L0165038	VOLUME	662357.158	4271193.018	58.31
LOCATION	L0165039	VOLUME	662357.122	4271184.418	58.33
LOCATION	L0165040	VOLUME	662357.086	4271175.818	58.34
LOCATION	L0165041	VOLUME	662357.051	4271167.218	58.34
LOCATION	L0165042	VOLUME	662357.015	4271158.618	58.35
LOCATION	L0165043	VOLUME	662356.979	4271150.018	58.33
LOCATION	L0165044	VOLUME	662356.944	4271141.418	58.29
LOCATION	L0165045	VOLUME	662356.908	4271132.818	58.24
LOCATION	L0165046	VOLUME	662356.872	4271124.218	58.19
LOCATION	L0165047	VOLUME	662356.837	4271115.618	58.12
LOCATION	L0165048	VOLUME	662356.801	4271107.018	58.04
LOCATION	L0165049	VOLUME	662356.765	4271098.419	57.95
LOCATION	L0165050	VOLUME	662356.730	4271089.819	57.85
LOCATION	L0165051	VOLUME	662356.694	4271081.219	57.71
LOCATION	L0165052	VOLUME	662356.658	4271072.619	57.57
LOCATION	L0165053	VOLUME	662356.623	4271064.019	57.43
LOCATION	L0165054	VOLUME	662356.587	4271055.419	57.36
LOCATION	L0165055	VOLUME	662356.551	4271046.819	57.32
LOCATION	L0165056	VOLUME	662356.515	4271038.219	57.27
LOCATION	L0165057	VOLUME	662356.480	4271029.619	57.22
LOCATION	L0165058	VOLUME	662356.444	4271021.019	57.15
LOCATION	L0165059	VOLUME	662356.408	4271012.419	57.09
LOCATION	L0165060	VOLUME	662356.373	4271003.819	57.02
LOCATION	L0165061	VOLUME	662356.337	4270995.219	56.94
LOCATION	L0165062	VOLUME	662356.301	4270986.620	56.84

LOCATION	L0165063	VOLUME	662356.266	4270978.020	56.74
LOCATION	L0165064	VOLUME	662356.230	4270969.420	56.64
LOCATION	L0165065	VOLUME	662356.194	4270960.820	56.69
LOCATION	L0165066	VOLUME	662356.159	4270952.220	56.74
LOCATION	L0165067	VOLUME	662356.123	4270943.620	56.80
LOCATION	L0165068	VOLUME	662356.087	4270935.020	56.82
LOCATION	L0165069	VOLUME	662356.052	4270926.420	56.80
LOCATION	L0165070	VOLUME	662356.016	4270917.820	56.78
LOCATION	L0165071	VOLUME	662355.980	4270909.220	56.76
LOCATION	L0165072	VOLUME	662355.944	4270900.620	56.71
LOCATION	L0165073	VOLUME	662355.909	4270892.020	56.66
LOCATION	L0165074	VOLUME	662355.873	4270883.420	56.61
LOCATION	L0165075	VOLUME	662355.837	4270874.820	56.56
LOCATION	L0165076	VOLUME	662355.802	4270866.221	56.51
LOCATION	L0165077	VOLUME	662355.766	4270857.621	56.46
LOCATION	L0165078	VOLUME	662355.730	4270849.021	56.41
LOCATION	L0165079	VOLUME	662355.695	4270840.421	56.39
LOCATION	L0165080	VOLUME	662355.659	4270831.821	56.39
LOCATION	L0165081	VOLUME	662355.623	4270823.221	56.38
LOCATION	L0165082	VOLUME	662355.588	4270814.621	56.38
LOCATION	L0165083	VOLUME	662355.552	4270806.021	56.36
LOCATION	L0165084	VOLUME	662355.516	4270797.421	56.33
LOCATION	L0165085	VOLUME	662355.481	4270788.821	56.31
LOCATION	L0165086	VOLUME	662355.445	4270780.221	56.27
LOCATION	L0165087	VOLUME	662355.409	4270771.621	56.21
LOCATION	L0165088	VOLUME	662355.374	4270763.021	56.16
LOCATION	L0165089	VOLUME	662355.338	4270754.422	56.10
LOCATION	L0165090	VOLUME	662355.302	4270745.822	56.06
LOCATION	L0165091	VOLUME	662355.266	4270737.222	56.01
LOCATION	L0165092	VOLUME	662355.231	4270728.622	55.97
LOCATION	L0165093	VOLUME	662355.195	4270720.022	55.94
LOCATION	L0165094	VOLUME	662355.159	4270711.422	55.95
LOCATION	L0165095	VOLUME	662355.124	4270702.822	55.96
LOCATION	L0165096	VOLUME	662355.088	4270694.222	55.96
LOCATION	L0165097	VOLUME	662355.052	4270685.622	55.94
LOCATION	L0165098	VOLUME	662355.017	4270677.022	55.90
LOCATION	L0165099	VOLUME	662354.981	4270668.422	55.86
LOCATION	L0165100	VOLUME	662354.945	4270659.822	55.82
LOCATION	L0165101	VOLUME	662354.910	4270651.222	55.79
LOCATION	L0165102	VOLUME	662354.874	4270642.622	55.77
LOCATION	L0165103	VOLUME	662354.838	4270634.023	55.74
LOCATION	L0165104	VOLUME	662354.803	4270625.423	55.71
LOCATION	L0165105	VOLUME	662354.767	4270616.823	55.67
LOCATION	L0165106	VOLUME	662354.731	4270608.223	55.64
LOCATION	L0165107	VOLUME	662354.696	4270599.623	55.60
LOCATION	L0165108	VOLUME	662354.660	4270591.023	55.55
LOCATION	L0165109	VOLUME	662354.624	4270582.423	55.51
LOCATION	L0165110	VOLUME	662354.588	4270573.823	55.46
LOCATION	L0165111	VOLUME	662354.553	4270565.223	55.41
LOCATION	L0165112	VOLUME	662354.517	4270556.623	55.36

LOCATION	L0165113	VOLUME	662354.481	4270548.023	55.32
LOCATION	L0165114	VOLUME	662354.446	4270539.423	55.27
LOCATION	L0165115	VOLUME	662354.410	4270530.823	55.23
LOCATION	L0165116	VOLUME	662354.374	4270522.224	55.19
LOCATION	L0165117	VOLUME	662354.339	4270513.624	55.16
LOCATION	L0165118	VOLUME	662354.303	4270505.024	55.11
LOCATION	L0165119	VOLUME	662354.267	4270496.424	55.02
LOCATION	L0165120	VOLUME	662354.232	4270487.824	54.92
LOCATION	L0165121	VOLUME	662354.196	4270479.224	54.82
LOCATION	L0165122	VOLUME	662354.160	4270470.624	54.71
LOCATION	L0165123	VOLUME	662354.125	4270462.024	54.59
LOCATION	L0165124	VOLUME	662354.089	4270453.424	54.46
LOCATION	L0165125	VOLUME	662354.053	4270444.824	54.34
LOCATION	L0165126	VOLUME	662354.018	4270436.224	54.40
LOCATION	L0165127	VOLUME	662353.982	4270427.624	54.47
LOCATION	L0165128	VOLUME	662353.946	4270419.024	54.54
LOCATION	L0165129	VOLUME	662353.910	4270410.424	54.64
LOCATION	L0165130	VOLUME	662353.875	4270401.825	54.76
LOCATION	L0165131	VOLUME	662353.839	4270393.225	54.89
LOCATION	L0165132	VOLUME	662353.803	4270384.625	55.01
LOCATION	L0165133	VOLUME	662353.768	4270376.025	55.00
LOCATION	L0165134	VOLUME	662353.732	4270367.425	54.96
LOCATION	L0165135	VOLUME	662353.696	4270358.825	54.92
LOCATION	L0165136	VOLUME	662353.661	4270350.225	54.87
LOCATION	L0165137	VOLUME	662353.625	4270341.625	54.80
LOCATION	L0165138	VOLUME	662353.589	4270333.025	54.72
LOCATION	L0165139	VOLUME	662353.554	4270324.425	54.65
LOCATION	L0165140	VOLUME	662353.518	4270315.825	54.64
LOCATION	L0165141	VOLUME	662353.482	4270307.225	54.65
LOCATION	L0165142	VOLUME	662353.447	4270298.625	54.67
LOCATION	L0165143	VOLUME	662353.411	4270290.026	54.69
LOCATION	L0165144	VOLUME	662353.375	4270281.426	54.70
LOCATION	L0165145	VOLUME	662353.340	4270272.826	54.72
LOCATION	L0165146	VOLUME	662353.304	4270264.226	54.73
LOCATION	L0165147	VOLUME	662353.268	4270255.626	54.81
LOCATION	L0165148	VOLUME	662353.232	4270247.026	54.93
LOCATION	L0165149	VOLUME	662353.197	4270238.426	55.05
LOCATION	L0165150	VOLUME	662353.161	4270229.826	55.18
LOCATION	L0165151	VOLUME	662353.125	4270221.226	55.43
LOCATION	L0165152	VOLUME	662353.090	4270212.626	55.70
LOCATION	L0165153	VOLUME	662353.054	4270204.026	55.96
LOCATION	L0165154	VOLUME	662353.018	4270195.426	56.09
LOCATION	L0165155	VOLUME	662352.983	4270186.826	55.93
LOCATION	L0165156	VOLUME	662352.947	4270178.226	55.78
LOCATION	L0165157	VOLUME	662352.911	4270169.627	55.62
LOCATION	L0165158	VOLUME	662352.876	4270161.027	55.76
LOCATION	L0165159	VOLUME	662352.840	4270152.427	55.99
LOCATION	L0165160	VOLUME	662352.804	4270143.827	56.22
LOCATION	L0165161	VOLUME	662352.769	4270135.227	56.52
LOCATION	L0165162	VOLUME	662356.529	4270130.344	57.04

LOCATION	L0165163	VOLUME	662365.128	4270130.198	57.41
LOCATION	L0165164	VOLUME	662373.727	4270130.053	57.78
LOCATION	L0165165	VOLUME	662382.326	4270129.907	58.07
LOCATION	L0165166	VOLUME	662390.924	4270129.761	58.35
LOCATION	L0165167	VOLUME	662399.523	4270129.615	58.63
LOCATION	L0165168	VOLUME	662408.122	4270129.470	59.00
LOCATION	L0165169	VOLUME	662416.721	4270129.324	59.39
LOCATION	L0165170	VOLUME	662425.320	4270129.178	59.75
LOCATION	L0165171	VOLUME	662433.918	4270129.033	59.89
LOCATION	L0165172	VOLUME	662442.517	4270128.887	60.03
LOCATION	L0165173	VOLUME	662451.116	4270128.741	59.87
LOCATION	L0165174	VOLUME	662459.715	4270128.595	59.03
LOCATION	L0165175	VOLUME	662468.313	4270128.450	58.19
LOCATION	L0165176	VOLUME	662476.912	4270128.304	57.27
LOCATION	L0165177	VOLUME	662485.511	4270128.158	56.25
LOCATION	L0165178	VOLUME	662494.110	4270128.012	55.23
LOCATION	L0165179	VOLUME	662502.708	4270127.867	54.46
LOCATION	L0165180	VOLUME	662511.307	4270127.721	53.81
LOCATION	L0165181	VOLUME	662519.906	4270127.575	53.14
LOCATION	L0165182	VOLUME	662528.505	4270127.429	53.25
LOCATION	L0165183	VOLUME	662537.104	4270127.284	53.50
LOCATION	L0165184	VOLUME	662545.702	4270127.138	53.76
LOCATION	L0165185	VOLUME	662554.301	4270126.992	54.53
LOCATION	L0165186	VOLUME	662562.900	4270126.846	55.30
LOCATION	L0165187	VOLUME	662571.499	4270126.701	56.12
LOCATION	L0165188	VOLUME	662580.097	4270126.555	57.09
LOCATION	L0165189	VOLUME	662588.696	4270126.409	58.06
LOCATION	L0165190	VOLUME	662597.295	4270126.263	58.91
LOCATION	L0165191	VOLUME	662605.894	4270126.118	59.59
LOCATION	L0165192	VOLUME	662614.492	4270125.972	60.28
LOCATION	L0165193	VOLUME	662623.091	4270125.826	61.01
LOCATION	L0165194	VOLUME	662631.690	4270125.680	61.75
LOCATION	L0165195	VOLUME	662640.289	4270125.535	62.50
LOCATION	L0165196	VOLUME	662648.887	4270125.389	63.33
LOCATION	L0165197	VOLUME	662657.486	4270125.243	64.18
LOCATION	L0165198	VOLUME	662666.085	4270125.097	65.03
LOCATION	L0165199	VOLUME	662674.684	4270124.952	65.68
LOCATION	L0165200	VOLUME	662683.283	4270124.806	66.33
LOCATION	L0165201	VOLUME	662691.881	4270124.660	66.94
LOCATION	L0165202	VOLUME	662700.480	4270124.515	67.33
LOCATION	L0165203	VOLUME	662709.079	4270124.369	67.71
LOCATION	L0165204	VOLUME	662717.678	4270124.223	68.01
LOCATION	L0165205	VOLUME	662726.276	4270124.077	68.11
LOCATION	L0165206	VOLUME	662734.875	4270123.932	68.21
LOCATION	L0165207	VOLUME	662743.474	4270123.786	68.12
LOCATION	L0165208	VOLUME	662752.073	4270123.640	67.84
LOCATION	L0165209	VOLUME	662760.671	4270123.494	67.57
LOCATION	L0165210	VOLUME	662769.270	4270123.349	67.12
LOCATION	L0165211	VOLUME	662777.869	4270123.203	66.59
LOCATION	L0165212	VOLUME	662786.468	4270123.057	66.07

LOCATION	L0165213	VOLUME	662795.066	4270122.911	65.61
LOCATION	L0165214	VOLUME	662803.665	4270122.766	65.15
LOCATION	L0165215	VOLUME	662812.264	4270122.620	64.71
LOCATION	L0165216	VOLUME	662820.863	4270122.474	64.42
LOCATION	L0165217	VOLUME	662829.462	4270122.328	64.13
LOCATION	L0165218	VOLUME	662838.060	4270122.183	63.86
LOCATION	L0165219	VOLUME	662846.659	4270122.037	63.66
LOCATION	L0165220	VOLUME	662855.258	4270121.891	63.47
LOCATION	L0165221	VOLUME	662863.857	4270121.745	63.24
LOCATION	L0165222	VOLUME	662872.455	4270121.600	62.95
LOCATION	L0165223	VOLUME	662881.054	4270121.454	62.67
LOCATION	L0165224	VOLUME	662889.653	4270121.308	62.26
LOCATION	L0165225	VOLUME	662898.252	4270121.162	61.76
LOCATION	L0165226	VOLUME	662906.850	4270121.017	61.25
LOCATION	L0165227	VOLUME	662915.449	4270120.871	60.68
LOCATION	L0165228	VOLUME	662924.048	4270120.725	60.09
LOCATION	L0165229	VOLUME	662932.647	4270120.579	59.48
LOCATION	L0165230	VOLUME	662941.245	4270120.434	58.94
LOCATION	L0165231	VOLUME	662949.844	4270120.288	58.39
LOCATION	L0165232	VOLUME	662958.443	4270120.142	57.85
LOCATION	L0165233	VOLUME	662967.042	4270119.997	57.39
LOCATION	L0165234	VOLUME	662975.641	4270119.851	56.92
LOCATION	L0165235	VOLUME	662984.239	4270119.705	56.45
LOCATION	L0165236	VOLUME	662992.838	4270119.559	55.95
LOCATION	L0165237	VOLUME	663001.437	4270119.414	55.46
LOCATION	L0165238	VOLUME	663010.036	4270119.268	55.01
LOCATION	L0165239	VOLUME	663018.634	4270119.122	54.61
LOCATION	L0165240	VOLUME	663027.233	4270118.976	54.22
LOCATION	L0165241	VOLUME	663035.832	4270118.831	53.97
LOCATION	L0165242	VOLUME	663044.431	4270118.685	53.78
LOCATION	L0165243	VOLUME	663053.029	4270118.539	53.59
LOCATION	L0165244	VOLUME	663061.628	4270118.393	53.50
LOCATION	L0165245	VOLUME	663070.227	4270118.248	53.42
LOCATION	L0165246	VOLUME	663078.826	4270118.102	53.33
LOCATION	L0165247	VOLUME	663087.424	4270117.956	53.17
LOCATION	L0165248	VOLUME	663096.023	4270117.810	53.01
LOCATION	L0165249	VOLUME	663104.622	4270117.665	52.77
LOCATION	L0165250	VOLUME	663113.221	4270117.519	52.35
LOCATION	L0165251	VOLUME	663121.820	4270117.373	51.92
LOCATION	L0165252	VOLUME	663130.418	4270117.227	51.53
LOCATION	L0165253	VOLUME	663130.684	4270108.667	51.22
LOCATION	L0165254	VOLUME	663130.915	4270100.070	50.92
LOCATION	L0165255	VOLUME	663131.145	4270091.473	50.62
LOCATION	L0165256	VOLUME	663131.375	4270082.876	50.46
LOCATION	L0165257	VOLUME	663131.605	4270074.279	50.31
LOCATION	L0165258	VOLUME	663131.836	4270065.682	50.16
LOCATION	L0165259	VOLUME	663132.066	4270057.085	50.04
LOCATION	L0165260	VOLUME	663132.296	4270048.488	49.96
LOCATION	L0165261	VOLUME	663132.526	4270039.891	49.89
LOCATION	L0165262	VOLUME	663132.757	4270031.294	49.81



LOCATION	L0165263	VOLUME	663132.987	4270022.697	49.81
LOCATION	L0165264	VOLUME	663133.217	4270014.100	49.84
LOCATION	L0165265	VOLUME	663133.448	4270005.504	49.87
LOCATION	L0165266	VOLUME	663133.678	4269996.907	49.93
LOCATION	L0165267	VOLUME	663133.908	4269988.310	50.14
LOCATION	L0165268	VOLUME	663134.138	4269979.713	50.34
LOCATION	L0165269	VOLUME	663134.369	4269971.116	50.55
LOCATION	L0165270	VOLUME	663134.599	4269962.519	50.92
LOCATION	L0165271	VOLUME	663134.829	4269953.922	51.41
LOCATION	L0165272	VOLUME	663135.059	4269945.325	51.90
LOCATION	L0165273	VOLUME	663135.290	4269936.728	52.38
LOCATION	L0165274	VOLUME	663135.520	4269928.131	52.37
LOCATION	L0165275	VOLUME	663135.750	4269919.534	52.37
LOCATION	L0165276	VOLUME	663135.981	4269910.937	52.36
LOCATION	L0165277	VOLUME	663136.211	4269902.341	52.21
LOCATION	L0165278	VOLUME	663136.441	4269893.744	51.87
LOCATION	L0165279	VOLUME	663136.671	4269885.147	51.53
LOCATION	L0165280	VOLUME	663136.902	4269876.550	51.18
LOCATION	L0165281	VOLUME	663137.132	4269867.953	51.38
LOCATION	L0165282	VOLUME	663137.362	4269859.356	51.69
LOCATION	L0165283	VOLUME	663137.592	4269850.759	52.00
LOCATION	L0165284	VOLUME	663137.823	4269842.162	52.26
LOCATION	L0165285	VOLUME	663138.053	4269833.565	52.36
LOCATION	L0165286	VOLUME	663138.283	4269824.968	52.47
LOCATION	L0165287	VOLUME	663138.514	4269816.371	52.57
LOCATION	L0165288	VOLUME	663138.744	4269807.774	52.98
LOCATION	L0165289	VOLUME	663138.974	4269799.178	53.55
LOCATION	L0165290	VOLUME	663139.204	4269790.581	54.12
LOCATION	L0165291	VOLUME	663139.435	4269781.984	54.72
LOCATION	L0165292	VOLUME	663139.665	4269773.387	55.77
LOCATION	L0165293	VOLUME	663139.895	4269764.790	56.82
LOCATION	L0165294	VOLUME	663140.125	4269756.193	57.86
LOCATION	L0165295	VOLUME	663140.356	4269747.596	58.54
LOCATION	L0165296	VOLUME	663140.586	4269738.999	58.84
LOCATION	L0165297	VOLUME	663140.816	4269730.402	59.14
LOCATION	L0165298	VOLUME	663141.047	4269721.805	59.45
LOCATION	L0165299	VOLUME	663141.277	4269713.208	59.65
LOCATION	L0165300	VOLUME	663141.507	4269704.611	59.85
LOCATION	L0165301	VOLUME	663141.737	4269696.015	60.04
LOCATION	L0165302	VOLUME	663141.968	4269687.418	60.38
LOCATION	L0165303	VOLUME	663142.198	4269678.821	61.00
LOCATION	L0165304	VOLUME	663142.428	4269670.224	61.62
LOCATION	L0165305	VOLUME	663142.659	4269661.627	62.23
LOCATION	L0165306	VOLUME	663142.889	4269653.030	63.22
LOCATION	L0165307	VOLUME	663143.119	4269644.433	64.35
LOCATION	L0165308	VOLUME	663143.349	4269635.836	65.47
LOCATION	L0165309	VOLUME	663143.580	4269627.239	66.60
LOCATION	L0165310	VOLUME	663143.810	4269618.642	67.80
LOCATION	L0165311	VOLUME	663144.040	4269610.045	69.00
LOCATION	L0165312	VOLUME	663144.270	4269601.448	70.20

LOCATION	L0165313	VOLUME	663144.501	4269592.852	70.97
LOCATION	L0165314	VOLUME	663144.731	4269584.255	71.41
LOCATION	L0165315	VOLUME	663144.961	4269575.658	71.86
LOCATION	L0165316	VOLUME	663145.192	4269567.061	72.30
LOCATION	L0165317	VOLUME	663145.422	4269558.464	72.38
LOCATION	L0165318	VOLUME	663145.652	4269549.867	72.46
LOCATION	L0165319	VOLUME	663145.882	4269541.270	72.53
LOCATION	L0165320	VOLUME	663146.113	4269532.673	72.66
LOCATION	L0165321	VOLUME	663146.343	4269524.076	72.85
LOCATION	L0165322	VOLUME	663146.573	4269515.479	73.04
LOCATION	L0165323	VOLUME	663146.803	4269506.882	73.24
LOCATION	L0165324	VOLUME	663147.034	4269498.285	73.48
LOCATION	L0165325	VOLUME	663147.264	4269489.689	73.73
LOCATION	L0165326	VOLUME	663147.494	4269481.092	73.99
LOCATION	L0165327	VOLUME	663147.725	4269472.495	74.22
LOCATION	L0165328	VOLUME	663147.955	4269463.898	74.37
LOCATION	L0165329	VOLUME	663148.185	4269455.301	74.53
LOCATION	L0165330	VOLUME	663148.415	4269446.704	74.69
LOCATION	L0165331	VOLUME	663148.646	4269438.107	74.74
LOCATION	L0165332	VOLUME	663148.876	4269429.510	74.73
LOCATION	L0165333	VOLUME	663149.106	4269420.913	74.73
LOCATION	L0165334	VOLUME	663149.336	4269412.316	74.71
LOCATION	L0165335	VOLUME	663149.567	4269403.719	74.57
LOCATION	L0165336	VOLUME	663149.797	4269395.122	74.44
LOCATION	L0165337	VOLUME	663150.027	4269386.526	74.30
LOCATION	L0165338	VOLUME	663151.361	4269379.137	74.23
LOCATION	L0165339	VOLUME	663159.944	4269379.683	74.43
LOCATION	L0165340	VOLUME	663168.527	4269380.229	74.68
LOCATION	L0165341	VOLUME	663177.109	4269380.776	75.04
LOCATION	L0165342	VOLUME	663185.692	4269381.322	75.39
LOCATION	L0165343	VOLUME	663194.275	4269381.868	75.68
LOCATION	L0165344	VOLUME	663202.857	4269382.414	75.91
LOCATION	L0165345	VOLUME	663211.440	4269382.960	76.13
LOCATION	L0165346	VOLUME	663220.023	4269383.506	76.22
LOCATION	L0165347	VOLUME	663228.605	4269384.053	76.23
LOCATION	L0165348	VOLUME	663237.188	4269384.599	76.25
LOCATION	L0165349	VOLUME	663245.771	4269385.145	76.16
LOCATION	L0165350	VOLUME	663254.353	4269385.691	76.06
LOCATION	L0165351	VOLUME	663262.936	4269386.237	75.95
LOCATION	L0165352	VOLUME	663271.518	4269386.783	75.62
LOCATION	L0165353	VOLUME	663280.101	4269387.330	75.30
LOCATION	L0165354	VOLUME	663288.684	4269387.876	74.96
LOCATION	L0165355	VOLUME	663297.266	4269388.422	74.58
LOCATION	L0165356	VOLUME	663305.849	4269388.968	74.20
LOCATION	L0165357	VOLUME	663314.432	4269389.514	73.82
LOCATION	L0165358	VOLUME	663323.014	4269390.060	73.42
LOCATION	L0165359	VOLUME	663331.597	4269390.607	73.04
LOCATION	L0165360	VOLUME	663340.180	4269391.153	72.68
LOCATION	L0165361	VOLUME	663348.762	4269391.699	72.34
LOCATION	L0165362	VOLUME	663357.345	4269392.245	72.01

LOCATION	L0165363	VOLUME	663365.927	4269392.791	71.58
LOCATION	L0165364	VOLUME	663374.510	4269393.337	71.13
LOCATION	L0165365	VOLUME	663383.093	4269393.884	70.68
LOCATION	L0165366	VOLUME	663391.675	4269394.430	70.24
LOCATION	L0165367	VOLUME	663400.258	4269394.976	69.80
LOCATION	L0165368	VOLUME	663408.841	4269395.522	69.36
LOCATION	L0165369	VOLUME	663417.423	4269396.068	68.91
LOCATION	L0165370	VOLUME	663426.006	4269396.614	68.45
LOCATION	L0165371	VOLUME	663434.589	4269397.161	67.99
LOCATION	L0165372	VOLUME	663443.171	4269397.707	67.52
LOCATION	L0165373	VOLUME	663451.754	4269398.253	67.05
LOCATION	L0165374	VOLUME	663460.336	4269398.799	66.62
LOCATION	L0165375	VOLUME	663468.919	4269399.345	66.23
LOCATION	L0165376	VOLUME	663477.502	4269399.891	65.83
LOCATION	L0165377	VOLUME	663486.084	4269400.438	65.55
LOCATION	L0165378	VOLUME	663494.667	4269400.984	65.33
LOCATION	L0165379	VOLUME	663503.250	4269401.530	65.11
LOCATION	L0165380	VOLUME	663511.832	4269402.076	65.03
LOCATION	L0165381	VOLUME	663520.415	4269402.622	64.98
LOCATION	L0165382	VOLUME	663528.998	4269403.168	64.93
LOCATION	L0165383	VOLUME	663537.580	4269403.715	64.84
LOCATION	L0165384	VOLUME	663546.163	4269404.261	64.76
LOCATION	L0165385	VOLUME	663554.746	4269404.807	64.75
LOCATION	L0165386	VOLUME	663563.328	4269405.353	65.02
LOCATION	L0165387	VOLUME	663571.911	4269405.899	65.28
LOCATION	L0165388	VOLUME	663580.493	4269406.445	65.60
LOCATION	L0165389	VOLUME	663589.076	4269406.992	65.98
LOCATION	L0165390	VOLUME	663597.659	4269407.538	66.36
LOCATION	L0165391	VOLUME	663606.241	4269408.084	66.62
LOCATION	L0165392	VOLUME	663614.824	4269408.630	66.81
LOCATION	L0165393	VOLUME	663623.407	4269409.176	67.00
LOCATION	L0165394	VOLUME	663631.989	4269409.722	67.03
LOCATION	L0165395	VOLUME	663640.572	4269410.269	67.02
LOCATION	L0165396	VOLUME	663649.155	4269410.815	67.02
LOCATION	L0165397	VOLUME	663657.737	4269411.361	66.88
LOCATION	L0165398	VOLUME	663666.320	4269411.907	66.74
LOCATION	L0165399	VOLUME	663674.902	4269412.453	66.57
LOCATION	L0165400	VOLUME	663683.485	4269412.999	66.17
LOCATION	L0165401	VOLUME	663692.068	4269413.546	65.77
LOCATION	L0165402	VOLUME	663700.650	4269414.092	65.38
LOCATION	L0165403	VOLUME	663709.233	4269414.638	64.99
LOCATION	L0165404	VOLUME	663717.816	4269415.184	64.60
LOCATION	L0165405	VOLUME	663726.398	4269415.730	64.21
LOCATION	L0165406	VOLUME	663734.981	4269416.276	63.82
LOCATION	L0165407	VOLUME	663743.564	4269416.823	63.42
LOCATION	L0165408	VOLUME	663752.146	4269417.369	63.00
LOCATION	L0165409	VOLUME	663760.729	4269417.915	62.56
LOCATION	L0165410	VOLUME	663769.312	4269418.461	62.11
LOCATION	L0165411	VOLUME	663777.894	4269419.007	61.80
LOCATION	L0165412	VOLUME	663786.477	4269419.553	61.50

LOCATION	L0165413	VOLUME	663795.059	4269420.100	61.21
LOCATION	L0165414	VOLUME	663803.642	4269420.646	61.06
LOCATION	L0165415	VOLUME	663812.225	4269421.192	60.90
LOCATION	L0165416	VOLUME	663820.807	4269421.738	60.74
LOCATION	L0165417	VOLUME	663829.390	4269422.284	60.56
LOCATION	L0165418	VOLUME	663837.973	4269422.830	60.38
LOCATION	L0165419	VOLUME	663846.555	4269423.377	60.17
LOCATION	L0165420	VOLUME	663855.138	4269423.923	59.90
LOCATION	L0165421	VOLUME	663863.721	4269424.469	59.63
LOCATION	L0165422	VOLUME	663872.303	4269425.015	59.40
LOCATION	L0165423	VOLUME	663874.741	4269430.870	59.35
LOCATION	L0165424	VOLUME	663874.035	4269439.441	59.40
LOCATION	L0165425	VOLUME	663873.329	4269448.012	59.45
LOCATION	L0165426	VOLUME	663872.623	4269456.583	59.49
LOCATION	L0165427	VOLUME	663871.917	4269465.154	59.65
LOCATION	L0165428	VOLUME	663871.211	4269473.725	59.85
LOCATION	L0165429	VOLUME	663870.506	4269482.296	60.04
LOCATION	L0165430	VOLUME	663869.800	4269490.867	60.23
LOCATION	L0165431	VOLUME	663869.094	4269499.438	60.42
LOCATION	L0165432	VOLUME	663868.388	4269508.009	60.62
LOCATION	L0165433	VOLUME	663867.682	4269516.580	60.81
LOCATION	L0165434	VOLUME	663866.976	4269525.151	60.99
LOCATION	L0165435	VOLUME	663866.270	4269533.722	61.16
LOCATION	L0165436	VOLUME	663865.565	4269542.293	61.33
LOCATION	L0165437	VOLUME	663864.859	4269550.864	61.50
LOCATION	L0165438	VOLUME	663864.153	4269559.435	61.77
LOCATION	L0165439	VOLUME	663863.447	4269568.006	62.03
LOCATION	L0165440	VOLUME	663862.741	4269576.577	62.30
LOCATION	L0165441	VOLUME	663862.035	4269585.148	62.58
LOCATION	L0165442	VOLUME	663861.330	4269593.719	62.89
LOCATION	L0165443	VOLUME	663860.624	4269602.290	63.20
LOCATION	L0165444	VOLUME	663859.918	4269610.861	63.51
LOCATION	L0165445	VOLUME	663859.212	4269619.432	63.68
LOCATION	L0165446	VOLUME	663858.506	4269628.003	63.83
LOCATION	L0165447	VOLUME	663857.800	4269636.574	63.97
LOCATION	L0165448	VOLUME	663857.094	4269645.145	64.09
LOCATION	L0165449	VOLUME	663856.389	4269653.716	64.14
LOCATION	L0165450	VOLUME	663855.683	4269662.287	64.18
LOCATION	L0165451	VOLUME	663854.977	4269670.858	64.22
LOCATION	L0165452	VOLUME	663854.271	4269679.429	64.09
LOCATION	L0165453	VOLUME	663853.565	4269688.000	63.85
LOCATION	L0165454	VOLUME	663852.859	4269696.571	63.63
LOCATION	L0165455	VOLUME	663852.154	4269705.142	63.40
LOCATION	L0165456	VOLUME	663851.448	4269713.713	63.19
LOCATION	L0165457	VOLUME	663850.742	4269722.284	62.99
LOCATION	L0165458	VOLUME	663850.036	4269730.855	62.79
LOCATION	L0165459	VOLUME	663849.330	4269739.426	62.64
LOCATION	L0165460	VOLUME	663848.624	4269747.997	62.55
LOCATION	L0165461	VOLUME	663847.919	4269756.568	62.46
LOCATION	L0165462	VOLUME	663847.213	4269765.139	62.37

LOCATION	L0165463	VOLUME	663846.507	4269773.710	62.30
LOCATION	L0165464	VOLUME	663845.801	4269782.281	62.24
LOCATION	L0165465	VOLUME	663845.095	4269790.852	62.18
LOCATION	L0165466	VOLUME	663844.389	4269799.423	62.16
LOCATION	L0165467	VOLUME	663843.683	4269807.994	62.22
LOCATION	L0165468	VOLUME	663842.978	4269816.565	62.30
LOCATION	L0165469	VOLUME	663842.272	4269825.136	62.37
LOCATION	L0165470	VOLUME	663841.566	4269833.707	62.49
LOCATION	L0165471	VOLUME	663840.860	4269842.278	62.64
LOCATION	L0165472	VOLUME	663840.154	4269850.849	62.78
LOCATION	L0165473	VOLUME	663839.448	4269859.420	62.94
LOCATION	L0165474	VOLUME	663838.743	4269867.991	63.23
LOCATION	L0165475	VOLUME	663838.037	4269876.562	63.52
LOCATION	L0165476	VOLUME	663837.331	4269885.133	63.82
LOCATION	L0165477	VOLUME	663836.625	4269893.704	64.22
LOCATION	L0165478	VOLUME	663835.919	4269902.275	64.74
LOCATION	L0165479	VOLUME	663835.213	4269910.846	65.28
LOCATION	L0165480	VOLUME	663834.507	4269919.417	65.84
LOCATION	L0165481	VOLUME	663833.802	4269927.988	66.09
LOCATION	L0165482	VOLUME	663833.096	4269936.559	66.32
LOCATION	L0165483	VOLUME	663832.390	4269945.130	66.53
LOCATION	L0165484	VOLUME	663831.684	4269953.701	66.75
LOCATION	L0165485	VOLUME	663830.978	4269962.272	66.92
LOCATION	L0165486	VOLUME	663830.272	4269970.843	67.06
LOCATION	L0165487	VOLUME	663829.567	4269979.414	67.19
LOCATION	L0165488	VOLUME	663828.861	4269987.984	67.55
LOCATION	L0165489	VOLUME	663828.155	4269996.555	67.99
LOCATION	L0165490	VOLUME	663827.449	4270005.126	68.41
LOCATION	L0165491	VOLUME	663826.743	4270013.697	68.81
LOCATION	L0165492	VOLUME	663826.037	4270022.268	69.19
LOCATION	L0165493	VOLUME	663825.331	4270030.839	69.56
LOCATION	L0165494	VOLUME	663824.626	4270039.410	69.92
LOCATION	L0165495	VOLUME	663823.920	4270047.981	70.27
LOCATION	L0165496	VOLUME	663823.214	4270056.552	70.64
LOCATION	L0165497	VOLUME	663822.508	4270065.123	71.00
LOCATION	L0165498	VOLUME	663821.802	4270073.694	71.35
LOCATION	L0165499	VOLUME	663821.096	4270082.265	71.90
LOCATION	L0165500	VOLUME	663820.391	4270090.836	72.45
LOCATION	L0165501	VOLUME	663819.685	4270099.407	72.99
LOCATION	L0165502	VOLUME	663818.979	4270107.978	73.29
LOCATION	L0165503	VOLUME	663818.273	4270116.549	73.18
LOCATION	L0165504	VOLUME	663817.567	4270125.120	73.07
LOCATION	L0165505	VOLUME	663816.861	4270133.691	72.96
LOCATION	L0165506	VOLUME	663816.155	4270142.262	72.28
LOCATION	L0165507	VOLUME	663815.450	4270150.833	71.43
LOCATION	L0165508	VOLUME	663814.744	4270159.404	70.61
LOCATION	L0165509	VOLUME	663814.038	4270167.975	69.79
LOCATION	L0165510	VOLUME	663813.332	4270176.546	68.90
LOCATION	L0165511	VOLUME	663812.626	4270185.117	68.02
LOCATION	L0165512	VOLUME	663811.920	4270193.688	67.15

LOCATION	L0165513	VOLUME	663811.215	4270202.259	66.62
LOCATION	L0165514	VOLUME	663810.509	4270210.830	66.34
LOCATION	L0165515	VOLUME	663809.803	4270219.401	66.05
LOCATION	L0165516	VOLUME	663809.097	4270227.972	65.76
LOCATION	L0165517	VOLUME	663808.391	4270236.543	65.99
LOCATION	L0165518	VOLUME	663807.685	4270245.114	66.21
LOCATION	L0165519	VOLUME	663806.979	4270253.685	66.43
LOCATION	L0165520	VOLUME	663806.274	4270262.256	66.42
LOCATION	L0165521	VOLUME	663805.568	4270270.827	66.07
LOCATION	L0165522	VOLUME	663804.862	4270279.398	65.72
LOCATION	L0165523	VOLUME	663804.156	4270287.969	65.38
LOCATION	L0165524	VOLUME	663803.450	4270296.540	65.09
LOCATION	L0165525	VOLUME	663802.744	4270305.111	64.82
LOCATION	L0165526	VOLUME	663802.039	4270313.682	64.57
LOCATION	L0165527	VOLUME	663801.333	4270322.253	64.45
LOCATION	L0165528	VOLUME	663800.627	4270330.824	64.77
LOCATION	L0165529	VOLUME	663799.921	4270339.395	65.12
LOCATION	L0165530	VOLUME	663799.215	4270347.966	65.50
LOCATION	L0165531	VOLUME	663798.509	4270356.537	66.16
LOCATION	L0165532	VOLUME	663797.803	4270365.108	66.99
LOCATION	L0165533	VOLUME	663797.098	4270373.679	67.83
LOCATION	L0165534	VOLUME	663796.392	4270382.250	68.67
LOCATION	L0165535	VOLUME	663795.686	4270390.821	69.17
LOCATION	L0165536	VOLUME	663794.980	4270399.392	69.67
LOCATION	L0165537	VOLUME	663794.274	4270407.963	70.17
LOCATION	L0165538	VOLUME	663793.568	4270416.534	70.39
LOCATION	L0165539	VOLUME	663792.863	4270425.105	70.23
LOCATION	L0165540	VOLUME	663792.157	4270433.676	70.06
LOCATION	L0165541	VOLUME	663791.451	4270442.247	69.88
LOCATION	L0165542	VOLUME	663790.745	4270450.818	70.05
LOCATION	L0165543	VOLUME	663790.039	4270459.389	70.29
LOCATION	L0165544	VOLUME	663789.333	4270467.960	70.52
LOCATION	L0165545	VOLUME	663788.627	4270476.531	70.77
LOCATION	L0165546	VOLUME	663787.922	4270485.102	71.12
LOCATION	L0165547	VOLUME	663787.216	4270493.673	71.49
LOCATION	L0165548	VOLUME	663786.510	4270502.244	71.87
LOCATION	L0165549	VOLUME	663785.804	4270510.815	72.02
LOCATION	L0165550	VOLUME	663785.098	4270519.386	72.06
LOCATION	L0165551	VOLUME	663784.392	4270527.957	72.11
LOCATION	L0165552	VOLUME	663783.687	4270536.528	72.17
LOCATION	L0165553	VOLUME	663782.981	4270545.099	72.18
LOCATION	L0165554	VOLUME	663774.868	4270545.826	73.31
LOCATION	L0165555	VOLUME	663766.270	4270546.041	73.61
LOCATION	L0165556	VOLUME	663757.673	4270546.256	73.35
LOCATION	L0165557	VOLUME	663749.076	4270546.471	73.09
LOCATION	L0165558	VOLUME	663740.478	4270546.686	71.90
LOCATION	L0165559	VOLUME	663731.881	4270546.901	70.48
LOCATION	L0165560	VOLUME	663723.284	4270547.116	69.07
LOCATION	L0165561	VOLUME	663714.686	4270547.331	68.09
LOCATION	L0165562	VOLUME	663706.089	4270547.546	67.13

LOCATION	VOLUME			
L0165563	663697.492	4270547.761	66.25	
L0165564	663688.894	4270547.975	65.69	
L0165565	663680.297	4270548.190	65.14	
L0165566	663671.700	4270548.405	64.70	
L0165567	663663.102	4270548.620	64.46	
L0165568	663654.505	4270548.835	64.22	
L0165569	663645.908	4270549.050	64.13	
L0165570	663637.311	4270549.265	64.19	
L0165571	663628.713	4270549.480	64.25	
L0165572	663620.116	4270549.695	63.92	
L0165573	663611.519	4270549.910	63.42	
L0165574	663602.921	4270550.125	62.92	
L0165575	663594.324	4270550.340	61.85	
L0165576	663585.727	4270550.555	60.70	
L0165577	663577.129	4270550.770	59.56	
L0165578	663568.532	4270550.985	58.85	
L0165579	663559.935	4270551.199	58.13	
L0165580	663551.337	4270551.414	57.51	
L0165581	663542.740	4270551.629	57.19	
L0165582	663534.143	4270551.844	56.88	
L0165583	663525.545	4270552.059	56.57	

\*\* End of LINE VOLUME Source ID = SLINE1

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\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE2

\*\* DESCRSRC

\*\* PREFIX

\*\* Length of Side = 8.60

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.0303377948

\*\* Vertical Dimension = 10.00

\*\* SZINIT = 4.65

\*\* Nodes = 7

\*\* 661054.374, 4272964.423, 88.29, 5.00, 4.00

\*\* 659986.676, 4272944.651, 93.32, 5.00, 4.00

\*\* 659920.769, 4273162.145, 95.43, 5.00, 4.00

\*\* 659690.093, 4272964.423, 91.01, 5.00, 4.00

\*\* 659907.587, 4272931.469, 92.92, 5.00, 4.00

\*\* 659900.996, 4273050.102, 94.16, 5.00, 4.00

\*\* 659808.726, 4272990.786, 92.60, 5.00, 4.00

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LOCATION	VOLUME			
L0157739	661050.075	4272964.343	88.56	
L0157740	661041.477	4272964.184	89.07	
L0157741	661032.878	4272964.025	89.63	
L0157742	661024.280	4272963.866	90.30	
L0157743	661015.681	4272963.706	90.97	
L0157744	661007.083	4272963.547	91.51	
L0157745	660998.484	4272963.388	91.92	
L0157746	660989.886	4272963.229	92.32	
L0157747	660981.287	4272963.069	92.86	

LOCATION	L0157748	VOLUME	660972.688	4272962.910	93.46
LOCATION	L0157749	VOLUME	660964.090	4272962.751	94.07
LOCATION	L0157750	VOLUME	660955.491	4272962.592	94.85
LOCATION	L0157751	VOLUME	660946.893	4272962.433	95.66
LOCATION	L0157752	VOLUME	660938.294	4272962.273	96.47
LOCATION	L0157753	VOLUME	660929.696	4272962.114	97.10
LOCATION	L0157754	VOLUME	660921.097	4272961.955	97.73
LOCATION	L0157755	VOLUME	660912.499	4272961.796	98.21
LOCATION	L0157756	VOLUME	660903.900	4272961.636	98.19
LOCATION	L0157757	VOLUME	660895.302	4272961.477	98.16
LOCATION	L0157758	VOLUME	660886.703	4272961.318	98.13
LOCATION	L0157759	VOLUME	660878.105	4272961.159	98.10
LOCATION	L0157760	VOLUME	660869.506	4272960.999	98.06
LOCATION	L0157761	VOLUME	660860.908	4272960.840	98.02
LOCATION	L0157762	VOLUME	660852.309	4272960.681	97.96
LOCATION	L0157763	VOLUME	660843.711	4272960.522	97.90
LOCATION	L0157764	VOLUME	660835.112	4272960.362	97.85
LOCATION	L0157765	VOLUME	660826.514	4272960.203	97.81
LOCATION	L0157766	VOLUME	660817.915	4272960.044	97.76
LOCATION	L0157767	VOLUME	660809.316	4272959.885	97.72
LOCATION	L0157768	VOLUME	660800.718	4272959.726	97.67
LOCATION	L0157769	VOLUME	660792.119	4272959.566	97.63
LOCATION	L0157770	VOLUME	660783.521	4272959.407	97.59
LOCATION	L0157771	VOLUME	660774.922	4272959.248	97.56
LOCATION	L0157772	VOLUME	660766.324	4272959.089	97.53
LOCATION	L0157773	VOLUME	660757.725	4272958.929	97.51
LOCATION	L0157774	VOLUME	660749.127	4272958.770	97.50
LOCATION	L0157775	VOLUME	660740.528	4272958.611	97.48
LOCATION	L0157776	VOLUME	660731.930	4272958.452	97.46
LOCATION	L0157777	VOLUME	660723.331	4272958.292	97.44
LOCATION	L0157778	VOLUME	660714.733	4272958.133	97.40
LOCATION	L0157779	VOLUME	660706.134	4272957.974	97.37
LOCATION	L0157780	VOLUME	660697.536	4272957.815	97.33
LOCATION	L0157781	VOLUME	660688.937	4272957.656	97.30
LOCATION	L0157782	VOLUME	660680.339	4272957.496	97.26
LOCATION	L0157783	VOLUME	660671.740	4272957.337	97.23
LOCATION	L0157784	VOLUME	660663.142	4272957.178	97.20
LOCATION	L0157785	VOLUME	660654.543	4272957.019	97.17
LOCATION	L0157786	VOLUME	660645.944	4272956.859	97.15
LOCATION	L0157787	VOLUME	660637.346	4272956.700	97.13
LOCATION	L0157788	VOLUME	660628.747	4272956.541	97.10
LOCATION	L0157789	VOLUME	660620.149	4272956.382	97.04
LOCATION	L0157790	VOLUME	660611.550	4272956.222	96.94
LOCATION	L0157791	VOLUME	660602.952	4272956.063	96.83
LOCATION	L0157792	VOLUME	660594.353	4272955.904	96.76
LOCATION	L0157793	VOLUME	660585.755	4272955.745	96.71
LOCATION	L0157794	VOLUME	660577.156	4272955.586	96.66
LOCATION	L0157795	VOLUME	660568.558	4272955.426	96.63
LOCATION	L0157796	VOLUME	660559.959	4272955.267	96.61
LOCATION	L0157797	VOLUME	660551.361	4272955.108	96.59



LOCATION	L0157798	VOLUME	660542.762	4272954.949	96.58
LOCATION	L0157799	VOLUME	660534.164	4272954.789	96.57
LOCATION	L0157800	VOLUME	660525.565	4272954.630	96.56
LOCATION	L0157801	VOLUME	660516.967	4272954.471	96.53
LOCATION	L0157802	VOLUME	660508.368	4272954.312	96.49
LOCATION	L0157803	VOLUME	660499.770	4272954.152	96.45
LOCATION	L0157804	VOLUME	660491.171	4272953.993	96.38
LOCATION	L0157805	VOLUME	660482.572	4272953.834	96.31
LOCATION	L0157806	VOLUME	660473.974	4272953.675	96.28
LOCATION	L0157807	VOLUME	660465.375	4272953.516	96.30
LOCATION	L0157808	VOLUME	660456.777	4272953.356	96.31
LOCATION	L0157809	VOLUME	660448.178	4272953.197	96.28
LOCATION	L0157810	VOLUME	660439.580	4272953.038	96.23
LOCATION	L0157811	VOLUME	660430.981	4272952.879	96.19
LOCATION	L0157812	VOLUME	660422.383	4272952.719	96.15
LOCATION	L0157813	VOLUME	660413.784	4272952.560	96.12
LOCATION	L0157814	VOLUME	660405.186	4272952.401	96.08
LOCATION	L0157815	VOLUME	660396.587	4272952.242	96.03
LOCATION	L0157816	VOLUME	660387.989	4272952.082	95.97
LOCATION	L0157817	VOLUME	660379.390	4272951.923	95.92
LOCATION	L0157818	VOLUME	660370.792	4272951.764	95.87
LOCATION	L0157819	VOLUME	660362.193	4272951.605	95.82
LOCATION	L0157820	VOLUME	660353.595	4272951.446	95.79
LOCATION	L0157821	VOLUME	660344.996	4272951.286	95.77
LOCATION	L0157822	VOLUME	660336.398	4272951.127	95.76
LOCATION	L0157823	VOLUME	660327.799	4272950.968	95.78
LOCATION	L0157824	VOLUME	660319.201	4272950.809	95.81
LOCATION	L0157825	VOLUME	660310.602	4272950.649	95.85
LOCATION	L0157826	VOLUME	660302.003	4272950.490	95.88
LOCATION	L0157827	VOLUME	660293.405	4272950.331	95.91
LOCATION	L0157828	VOLUME	660284.806	4272950.172	95.93
LOCATION	L0157829	VOLUME	660276.208	4272950.012	95.86
LOCATION	L0157830	VOLUME	660267.609	4272949.853	95.79
LOCATION	L0157831	VOLUME	660259.011	4272949.694	95.73
LOCATION	L0157832	VOLUME	660250.412	4272949.535	95.67
LOCATION	L0157833	VOLUME	660241.814	4272949.375	95.61
LOCATION	L0157834	VOLUME	660233.215	4272949.216	95.52
LOCATION	L0157835	VOLUME	660224.617	4272949.057	95.42
LOCATION	L0157836	VOLUME	660216.018	4272948.898	95.31
LOCATION	L0157837	VOLUME	660207.420	4272948.739	95.20
LOCATION	L0157838	VOLUME	660198.821	4272948.579	95.08
LOCATION	L0157839	VOLUME	660190.223	4272948.420	94.96
LOCATION	L0157840	VOLUME	660181.624	4272948.261	94.83
LOCATION	L0157841	VOLUME	660173.026	4272948.102	94.70
LOCATION	L0157842	VOLUME	660164.427	4272947.942	94.57
LOCATION	L0157843	VOLUME	660155.829	4272947.783	94.44
LOCATION	L0157844	VOLUME	660147.230	4272947.624	94.31
LOCATION	L0157845	VOLUME	660138.631	4272947.465	94.19
LOCATION	L0157846	VOLUME	660130.033	4272947.305	94.09
LOCATION	L0157847	VOLUME	660121.434	4272947.146	93.99

LOCATION	L0157848	VOLUME	660112.836	4272946.987	93.89
LOCATION	L0157849	VOLUME	660104.237	4272946.828	93.82
LOCATION	L0157850	VOLUME	660095.639	4272946.669	93.75
LOCATION	L0157851	VOLUME	660087.040	4272946.509	93.69
LOCATION	L0157852	VOLUME	660078.442	4272946.350	93.64
LOCATION	L0157853	VOLUME	660069.843	4272946.191	93.60
LOCATION	L0157854	VOLUME	660061.245	4272946.032	93.55
LOCATION	L0157855	VOLUME	660052.646	4272945.872	93.50
LOCATION	L0157856	VOLUME	660044.048	4272945.713	93.45
LOCATION	L0157857	VOLUME	660035.449	4272945.554	93.42
LOCATION	L0157858	VOLUME	660026.851	4272945.395	93.39
LOCATION	L0157859	VOLUME	660018.252	4272945.235	93.36
LOCATION	L0157860	VOLUME	660009.654	4272945.076	93.34
LOCATION	L0157861	VOLUME	660001.055	4272944.917	93.32
LOCATION	L0157862	VOLUME	659992.457	4272944.758	93.30
LOCATION	L0157863	VOLUME	659985.859	4272947.348	93.31
LOCATION	L0157864	VOLUME	659983.364	4272955.578	93.33
LOCATION	L0157865	VOLUME	659980.870	4272963.809	93.36
LOCATION	L0157866	VOLUME	659978.376	4272972.039	93.38
LOCATION	L0157867	VOLUME	659975.882	4272980.270	93.40
LOCATION	L0157868	VOLUME	659973.388	4272988.500	93.43
LOCATION	L0157869	VOLUME	659970.894	4272996.730	93.47
LOCATION	L0157870	VOLUME	659968.400	4273004.961	93.53
LOCATION	L0157871	VOLUME	659965.906	4273013.191	93.60
LOCATION	L0157872	VOLUME	659963.412	4273021.422	93.70
LOCATION	L0157873	VOLUME	659960.918	4273029.652	93.83
LOCATION	L0157874	VOLUME	659958.424	4273037.883	93.95
LOCATION	L0157875	VOLUME	659955.930	4273046.113	94.05
LOCATION	L0157876	VOLUME	659953.436	4273054.343	94.18
LOCATION	L0157877	VOLUME	659950.942	4273062.574	94.33
LOCATION	L0157878	VOLUME	659948.448	4273070.804	94.48
LOCATION	L0157879	VOLUME	659945.954	4273079.035	94.62
LOCATION	L0157880	VOLUME	659943.459	4273087.265	94.80
LOCATION	L0157881	VOLUME	659940.965	4273095.495	95.00
LOCATION	L0157882	VOLUME	659938.471	4273103.726	95.16
LOCATION	L0157883	VOLUME	659935.977	4273111.956	95.29
LOCATION	L0157884	VOLUME	659933.483	4273120.187	95.33
LOCATION	L0157885	VOLUME	659930.989	4273128.417	95.37
LOCATION	L0157886	VOLUME	659928.495	4273136.647	95.41
LOCATION	L0157887	VOLUME	659926.001	4273144.878	95.43
LOCATION	L0157888	VOLUME	659923.507	4273153.108	95.44
LOCATION	L0157889	VOLUME	659921.013	4273161.339	95.45
LOCATION	L0157890	VOLUME	659914.879	4273157.096	95.40
LOCATION	L0157891	VOLUME	659908.349	4273151.499	95.34
LOCATION	L0157892	VOLUME	659901.819	4273145.903	95.30
LOCATION	L0157893	VOLUME	659895.290	4273140.306	95.26
LOCATION	L0157894	VOLUME	659888.760	4273134.709	95.14
LOCATION	L0157895	VOLUME	659882.231	4273129.112	95.01
LOCATION	L0157896	VOLUME	659875.701	4273123.515	94.88
LOCATION	L0157897	VOLUME	659869.171	4273117.919	94.73

LOCATION	L0157898	VOLUME	659862.642	4273112.322	94.51
LOCATION	L0157899	VOLUME	659856.112	4273106.725	94.28
LOCATION	L0157900	VOLUME	659849.583	4273101.128	94.04
LOCATION	L0157901	VOLUME	659843.053	4273095.531	93.78
LOCATION	L0157902	VOLUME	659836.523	4273089.935	93.51
LOCATION	L0157903	VOLUME	659829.994	4273084.338	93.23
LOCATION	L0157904	VOLUME	659823.464	4273078.741	92.97
LOCATION	L0157905	VOLUME	659816.934	4273073.144	92.84
LOCATION	L0157906	VOLUME	659810.405	4273067.547	92.73
LOCATION	L0157907	VOLUME	659803.875	4273061.951	92.63
LOCATION	L0157908	VOLUME	659797.346	4273056.354	92.53
LOCATION	L0157909	VOLUME	659790.816	4273050.757	92.43
LOCATION	L0157910	VOLUME	659784.286	4273045.160	92.35
LOCATION	L0157911	VOLUME	659777.757	4273039.563	92.29
LOCATION	L0157912	VOLUME	659771.227	4273033.967	92.22
LOCATION	L0157913	VOLUME	659764.698	4273028.370	92.14
LOCATION	L0157914	VOLUME	659758.168	4273022.773	92.06
LOCATION	L0157915	VOLUME	659751.638	4273017.176	91.99
LOCATION	L0157916	VOLUME	659745.109	4273011.579	91.90
LOCATION	L0157917	VOLUME	659738.579	4273005.983	91.80
LOCATION	L0157918	VOLUME	659732.050	4273000.386	91.71
LOCATION	L0157919	VOLUME	659725.520	4272994.789	91.61
LOCATION	L0157920	VOLUME	659718.990	4272989.192	91.49
LOCATION	L0157921	VOLUME	659712.461	4272983.595	91.37
LOCATION	L0157922	VOLUME	659705.931	4272977.999	91.21
LOCATION	L0157923	VOLUME	659699.402	4272972.402	91.04
LOCATION	L0157924	VOLUME	659692.872	4272966.805	90.87
LOCATION	L0157925	VOLUME	659694.977	4272963.683	90.91
LOCATION	L0157926	VOLUME	659703.480	4272962.395	91.10
LOCATION	L0157927	VOLUME	659711.983	4272961.106	91.30
LOCATION	L0157928	VOLUME	659720.486	4272959.818	91.50
LOCATION	L0157929	VOLUME	659728.989	4272958.530	91.70
LOCATION	L0157930	VOLUME	659737.492	4272957.241	91.82
LOCATION	L0157931	VOLUME	659745.995	4272955.953	91.93
LOCATION	L0157932	VOLUME	659754.498	4272954.665	92.03
LOCATION	L0157933	VOLUME	659763.001	4272953.376	92.07
LOCATION	L0157934	VOLUME	659771.504	4272952.088	92.10
LOCATION	L0157935	VOLUME	659780.007	4272950.800	92.11
LOCATION	L0157936	VOLUME	659788.510	4272949.511	92.11
LOCATION	L0157937	VOLUME	659797.013	4272948.223	92.12
LOCATION	L0157938	VOLUME	659805.516	4272946.935	92.14
LOCATION	L0157939	VOLUME	659814.018	4272945.646	92.18
LOCATION	L0157940	VOLUME	659822.521	4272944.358	92.23
LOCATION	L0157941	VOLUME	659831.024	4272943.070	92.31
LOCATION	L0157942	VOLUME	659839.527	4272941.781	92.42
LOCATION	L0157943	VOLUME	659848.030	4272940.493	92.52
LOCATION	L0157944	VOLUME	659856.533	4272939.205	92.55
LOCATION	L0157945	VOLUME	659865.036	4272937.916	92.57
LOCATION	L0157946	VOLUME	659873.539	4272936.628	92.59
LOCATION	L0157947	VOLUME	659882.042	4272935.340	92.70

LOCATION	VOLUME	VOLUME	VOLUME	VOLUME
L0157948	659890.545	4272934.051	92.82	
L0157949	659899.048	4272932.763	92.92	
L0157950	659907.551	4272931.475	93.00	
L0157951	659907.112	4272940.019	93.07	
L0157952	659906.635	4272948.606	93.15	
L0157953	659906.158	4272957.193	93.22	
L0157954	659905.681	4272965.780	93.27	
L0157955	659905.204	4272974.367	93.32	
L0157956	659904.727	4272982.953	93.37	
L0157957	659904.250	4272991.540	93.44	
L0157958	659903.773	4273000.127	93.50	
L0157959	659903.296	4273008.714	93.57	
L0157960	659902.819	4273017.300	93.64	
L0157961	659902.342	4273025.887	93.79	
L0157962	659901.865	4273034.474	93.95	
L0157963	659901.388	4273043.061	94.10	
L0157964	659899.695	4273049.266	94.22	
L0157965	659892.461	4273044.615	94.04	
L0157966	659885.227	4273039.965	93.82	
L0157967	659877.992	4273035.314	93.61	
L0157968	659870.758	4273030.664	93.40	
L0157969	659863.524	4273026.013	93.22	
L0157970	659856.290	4273021.363	93.04	
L0157971	659849.056	4273016.712	92.85	
L0157972	659841.822	4273012.062	92.81	
L0157973	659834.588	4273007.411	92.78	
L0157974	659827.354	4273002.761	92.74	
L0157975	659820.119	4272998.110	92.69	
L0157976	659812.885	4272993.460	92.64	

\*\* End of LINE VOLUME Source ID = SLINE2

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\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE3

\*\* DESCRSRC

\*\* PREFIX

\*\* Length of Side = 8.60

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.3496494583

\*\* Vertical Dimension = 10.00

\*\* SZINIT = 4.65

\*\* Nodes = 40

\*\* 663499.536, 4270558.806, 55.73, 5.00, 4.00

\*\* 663387.493, 4271811.045, 77.83, 5.00, 4.00

\*\* 663123.864, 4271804.454, 75.91, 5.00, 4.00

\*\* 663064.548, 4272173.535, 66.21, 5.00, 4.00

\*\* 662688.876, 4272166.944, 62.37, 5.00, 4.00

\*\* 662649.332, 4272562.388, 75.72, 5.00, 4.00

\*\* 662023.212, 4272536.025, 65.44, 5.00, 4.00

\*\* 662082.529, 4271850.589, 72.54, 5.00, 4.00

\*\* 662517.517, 4271850.589, 62.78, 5.00, 4.00

\*\* 662510.926, 4270288.586, 55.55, 5.00, 4.00  
 \*\* 663255.679, 4270275.404, 63.45, 5.00, 4.00  
 \*\* 663288.633, 4269517.470, 72.11, 5.00, 4.00  
 \*\* 663756.574, 4269570.196, 63.05, 5.00, 4.00  
 \*\* 663651.123, 4270420.400, 73.89, 5.00, 4.00  
 \*\* 663413.856, 4270433.582, 53.57, 5.00, 4.00  
 \*\* 663288.633, 4271712.184, 76.35, 5.00, 4.00  
 \*\* 663071.138, 4271705.593, 73.16, 5.00, 4.00  
 \*\* 662945.914, 4272054.902, 61.37, 5.00, 4.00  
 \*\* 662629.559, 4272054.902, 60.54, 5.00, 4.00  
 \*\* 662543.880, 4272437.164, 75.21, 5.00, 4.00  
 \*\* 662155.027, 4272417.392, 66.55, 5.00, 4.00  
 \*\* 662181.390, 4271969.222, 82.57, 5.00, 4.00  
 \*\* 662616.378, 4271969.222, 61.00, 5.00, 4.00  
 \*\* 662636.150, 4270446.763, 63.51, 5.00, 4.00  
 \*\* 663321.586, 4270407.219, 60.33, 5.00, 4.00  
 \*\* 663380.903, 4269662.466, 60.63, 5.00, 4.00  
 \*\* 663591.806, 4269675.648, 61.17, 5.00, 4.00  
 \*\* 663512.717, 4270308.358, 66.41, 5.00, 4.00  
 \*\* 663282.042, 4270571.987, 70.15, 5.00, 4.00  
 \*\* 663156.818, 4271567.188, 64.68, 5.00, 4.00  
 \*\* 662992.050, 4271573.779, 71.45, 5.00, 4.00  
 \*\* 662860.235, 4271929.678, 63.92, 5.00, 4.00  
 \*\* 662728.420, 4271923.087, 60.19, 5.00, 4.00  
 \*\* 662761.374, 4270585.169, 69.48, 5.00, 4.00  
 \*\* 663169.999, 4270552.215, 68.57, 5.00, 4.00  
 \*\* 663064.548, 4271455.145, 75.02, 5.00, 4.00  
 \*\* 662847.053, 4271718.775, 65.54, 5.00, 4.00  
 \*\* 662873.416, 4270736.756, 69.41, 5.00, 4.00  
 \*\* 663025.003, 4270710.393, 79.19, 5.00, 4.00  
 \*\* 662965.687, 4271422.192, 69.13, 5.00, 4.00

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LOCATION L0157977	VOLUME	663499.153	4270563.089	55.71
LOCATION L0157978	VOLUME	663498.386	4270571.655	56.31
LOCATION L0157979	VOLUME	663497.620	4270580.220	56.90
LOCATION L0157980	VOLUME	663496.853	4270588.786	57.46
LOCATION L0157981	VOLUME	663496.087	4270597.352	57.85
LOCATION L0157982	VOLUME	663495.321	4270605.918	58.13
LOCATION L0157983	VOLUME	663494.554	4270614.483	58.40
LOCATION L0157984	VOLUME	663493.788	4270623.049	58.61
LOCATION L0157985	VOLUME	663493.021	4270631.615	58.23
LOCATION L0157986	VOLUME	663492.255	4270640.181	57.84
LOCATION L0157987	VOLUME	663491.489	4270648.747	57.44
LOCATION L0157988	VOLUME	663490.722	4270657.312	57.14
LOCATION L0157989	VOLUME	663489.956	4270665.878	56.99
LOCATION L0157990	VOLUME	663489.189	4270674.444	56.86
LOCATION L0157991	VOLUME	663488.423	4270683.010	56.76
LOCATION L0157992	VOLUME	663487.657	4270691.575	57.29
LOCATION L0157993	VOLUME	663486.890	4270700.141	57.96
LOCATION L0157994	VOLUME	663486.124	4270708.707	58.66

LOCATION	L0157995	VOLUME	663485.357	4270717.273	59.40
LOCATION	L0157996	VOLUME	663484.591	4270725.839	60.21
LOCATION	L0157997	VOLUME	663483.824	4270734.404	61.03
LOCATION	L0157998	VOLUME	663483.058	4270742.970	61.86
LOCATION	L0157999	VOLUME	663482.292	4270751.536	62.59
LOCATION	L0158000	VOLUME	663481.525	4270760.102	63.28
LOCATION	L0158001	VOLUME	663480.759	4270768.667	63.96
LOCATION	L0158002	VOLUME	663479.992	4270777.233	64.68
LOCATION	L0158003	VOLUME	663479.226	4270785.799	65.61
LOCATION	L0158004	VOLUME	663478.460	4270794.365	66.54
LOCATION	L0158005	VOLUME	663477.693	4270802.931	67.48
LOCATION	L0158006	VOLUME	663476.927	4270811.496	68.24
LOCATION	L0158007	VOLUME	663476.160	4270820.062	68.77
LOCATION	L0158008	VOLUME	663475.394	4270828.628	69.29
LOCATION	L0158009	VOLUME	663474.628	4270837.194	69.76
LOCATION	L0158010	VOLUME	663473.861	4270845.760	70.25
LOCATION	L0158011	VOLUME	663473.095	4270854.325	70.72
LOCATION	L0158012	VOLUME	663472.328	4270862.891	71.18
LOCATION	L0158013	VOLUME	663471.562	4270871.457	71.59
LOCATION	L0158014	VOLUME	663470.795	4270880.023	71.88
LOCATION	L0158015	VOLUME	663470.029	4270888.588	72.14
LOCATION	L0158016	VOLUME	663469.263	4270897.154	72.37
LOCATION	L0158017	VOLUME	663468.496	4270905.720	72.34
LOCATION	L0158018	VOLUME	663467.730	4270914.286	72.21
LOCATION	L0158019	VOLUME	663466.963	4270922.852	72.08
LOCATION	L0158020	VOLUME	663466.197	4270931.417	71.86
LOCATION	L0158021	VOLUME	663465.431	4270939.983	71.06
LOCATION	L0158022	VOLUME	663464.664	4270948.549	70.27
LOCATION	L0158023	VOLUME	663463.898	4270957.115	69.49
LOCATION	L0158024	VOLUME	663463.131	4270965.680	68.19
LOCATION	L0158025	VOLUME	663462.365	4270974.246	66.42
LOCATION	L0158026	VOLUME	663461.599	4270982.812	64.68
LOCATION	L0158027	VOLUME	663460.832	4270991.378	62.95
LOCATION	L0158028	VOLUME	663460.066	4270999.944	61.42
LOCATION	L0158029	VOLUME	663459.299	4271008.509	59.92
LOCATION	L0158030	VOLUME	663458.533	4271017.075	58.46
LOCATION	L0158031	VOLUME	663457.766	4271025.641	57.37
LOCATION	L0158032	VOLUME	663457.000	4271034.207	57.00
LOCATION	L0158033	VOLUME	663456.234	4271042.772	56.65
LOCATION	L0158034	VOLUME	663455.467	4271051.338	56.31
LOCATION	L0158035	VOLUME	663454.701	4271059.904	56.31
LOCATION	L0158036	VOLUME	663453.934	4271068.470	56.43
LOCATION	L0158037	VOLUME	663453.168	4271077.036	56.57
LOCATION	L0158038	VOLUME	663452.402	4271085.601	56.78
LOCATION	L0158039	VOLUME	663451.635	4271094.167	57.32
LOCATION	L0158040	VOLUME	663450.869	4271102.733	57.87
LOCATION	L0158041	VOLUME	663450.102	4271111.299	58.41
LOCATION	L0158042	VOLUME	663449.336	4271119.865	59.10
LOCATION	L0158043	VOLUME	663448.570	4271128.430	59.89
LOCATION	L0158044	VOLUME	663447.803	4271136.996	60.66

LOCATION	L0158045	VOLUME	663447.037	4271145.562	61.41
LOCATION	L0158046	VOLUME	663446.270	4271154.128	62.27
LOCATION	L0158047	VOLUME	663445.504	4271162.693	63.10
LOCATION	L0158048	VOLUME	663444.737	4271171.259	63.89
LOCATION	L0158049	VOLUME	663443.971	4271179.825	64.49
LOCATION	L0158050	VOLUME	663443.205	4271188.391	64.85
LOCATION	L0158051	VOLUME	663442.438	4271196.957	65.22
LOCATION	L0158052	VOLUME	663441.672	4271205.522	65.58
LOCATION	L0158053	VOLUME	663440.905	4271214.088	65.82
LOCATION	L0158054	VOLUME	663440.139	4271222.654	66.03
LOCATION	L0158055	VOLUME	663439.373	4271231.220	66.23
LOCATION	L0158056	VOLUME	663438.606	4271239.785	66.37
LOCATION	L0158057	VOLUME	663437.840	4271248.351	66.27
LOCATION	L0158058	VOLUME	663437.073	4271256.917	66.17
LOCATION	L0158059	VOLUME	663436.307	4271265.483	66.06
LOCATION	L0158060	VOLUME	663435.541	4271274.049	65.84
LOCATION	L0158061	VOLUME	663434.774	4271282.614	65.54
LOCATION	L0158062	VOLUME	663434.008	4271291.180	65.24
LOCATION	L0158063	VOLUME	663433.241	4271299.746	64.95
LOCATION	L0158064	VOLUME	663432.475	4271308.312	64.29
LOCATION	L0158065	VOLUME	663431.708	4271316.878	63.62
LOCATION	L0158066	VOLUME	663430.942	4271325.443	62.94
LOCATION	L0158067	VOLUME	663430.176	4271334.009	62.23
LOCATION	L0158068	VOLUME	663429.409	4271342.575	61.51
LOCATION	L0158069	VOLUME	663428.643	4271351.141	60.80
LOCATION	L0158070	VOLUME	663427.876	4271359.706	60.09
LOCATION	L0158071	VOLUME	663427.110	4271368.272	59.99
LOCATION	L0158072	VOLUME	663426.344	4271376.838	60.06
LOCATION	L0158073	VOLUME	663425.577	4271385.404	60.14
LOCATION	L0158074	VOLUME	663424.811	4271393.970	60.34
LOCATION	L0158075	VOLUME	663424.044	4271402.535	60.89
LOCATION	L0158076	VOLUME	663423.278	4271411.101	61.42
LOCATION	L0158077	VOLUME	663422.512	4271419.667	61.92
LOCATION	L0158078	VOLUME	663421.745	4271428.233	63.17
LOCATION	L0158079	VOLUME	663420.979	4271436.798	64.93
LOCATION	L0158080	VOLUME	663420.212	4271445.364	66.72
LOCATION	L0158081	VOLUME	663419.446	4271453.930	68.51
LOCATION	L0158082	VOLUME	663418.679	4271462.496	69.39
LOCATION	L0158083	VOLUME	663417.913	4271471.062	70.25
LOCATION	L0158084	VOLUME	663417.147	4271479.627	71.10
LOCATION	L0158085	VOLUME	663416.380	4271488.193	71.44
LOCATION	L0158086	VOLUME	663415.614	4271496.759	71.10
LOCATION	L0158087	VOLUME	663414.847	4271505.325	70.75
LOCATION	L0158088	VOLUME	663414.081	4271513.890	70.39
LOCATION	L0158089	VOLUME	663413.315	4271522.456	69.53
LOCATION	L0158090	VOLUME	663412.548	4271531.022	68.58
LOCATION	L0158091	VOLUME	663411.782	4271539.588	67.62
LOCATION	L0158092	VOLUME	663411.015	4271548.154	66.69
LOCATION	L0158093	VOLUME	663410.249	4271556.719	65.83
LOCATION	L0158094	VOLUME	663409.483	4271565.285	64.99

LOCATION	L0158095	VOLUME	663408.716	4271573.851	64.15
LOCATION	L0158096	VOLUME	663407.950	4271582.417	64.06
LOCATION	L0158097	VOLUME	663407.183	4271590.983	64.36
LOCATION	L0158098	VOLUME	663406.417	4271599.548	64.66
LOCATION	L0158099	VOLUME	663405.650	4271608.114	64.97
LOCATION	L0158100	VOLUME	663404.884	4271616.680	65.48
LOCATION	L0158101	VOLUME	663404.118	4271625.246	65.97
LOCATION	L0158102	VOLUME	663403.351	4271633.811	66.45
LOCATION	L0158103	VOLUME	663402.585	4271642.377	66.94
LOCATION	L0158104	VOLUME	663401.818	4271650.943	67.44
LOCATION	L0158105	VOLUME	663401.052	4271659.509	67.92
LOCATION	L0158106	VOLUME	663400.286	4271668.075	68.38
LOCATION	L0158107	VOLUME	663399.519	4271676.640	68.68
LOCATION	L0158108	VOLUME	663398.753	4271685.206	68.95
LOCATION	L0158109	VOLUME	663397.986	4271693.772	69.22
LOCATION	L0158110	VOLUME	663397.220	4271702.338	69.45
LOCATION	L0158111	VOLUME	663396.453	4271710.903	69.60
LOCATION	L0158112	VOLUME	663395.687	4271719.469	69.76
LOCATION	L0158113	VOLUME	663394.921	4271728.035	69.91
LOCATION	L0158114	VOLUME	663394.154	4271736.601	70.47
LOCATION	L0158115	VOLUME	663393.388	4271745.167	71.20
LOCATION	L0158116	VOLUME	663392.621	4271753.732	71.92
LOCATION	L0158117	VOLUME	663391.855	4271762.298	72.66
LOCATION	L0158118	VOLUME	663391.089	4271770.864	73.73
LOCATION	L0158119	VOLUME	663390.322	4271779.430	74.79
LOCATION	L0158120	VOLUME	663389.556	4271787.995	75.86
LOCATION	L0158121	VOLUME	663388.789	4271796.561	76.84
LOCATION	L0158122	VOLUME	663388.023	4271805.127	77.74
LOCATION	L0158123	VOLUME	663384.836	4271810.978	78.13
LOCATION	L0158124	VOLUME	663376.238	4271810.763	77.29
LOCATION	L0158125	VOLUME	663367.641	4271810.549	76.42
LOCATION	L0158126	VOLUME	663359.044	4271810.334	75.55
LOCATION	L0158127	VOLUME	663350.447	4271810.119	75.09
LOCATION	L0158128	VOLUME	663341.849	4271809.904	74.67
LOCATION	L0158129	VOLUME	663333.252	4271809.689	74.29
LOCATION	L0158130	VOLUME	663324.655	4271809.474	74.20
LOCATION	L0158131	VOLUME	663316.057	4271809.259	74.12
LOCATION	L0158132	VOLUME	663307.460	4271809.044	74.23
LOCATION	L0158133	VOLUME	663298.863	4271808.829	74.78
LOCATION	L0158134	VOLUME	663290.265	4271808.614	75.34
LOCATION	L0158135	VOLUME	663281.668	4271808.399	76.07
LOCATION	L0158136	VOLUME	663273.071	4271808.184	76.98
LOCATION	L0158137	VOLUME	663264.473	4271807.969	77.90
LOCATION	L0158138	VOLUME	663255.876	4271807.754	78.80
LOCATION	L0158139	VOLUME	663247.279	4271807.539	79.70
LOCATION	L0158140	VOLUME	663238.681	4271807.325	80.60
LOCATION	L0158141	VOLUME	663230.084	4271807.110	80.87
LOCATION	L0158142	VOLUME	663221.487	4271806.895	81.04
LOCATION	L0158143	VOLUME	663212.889	4271806.680	81.17
LOCATION	L0158144	VOLUME	663204.292	4271806.465	80.56



LOCATION	L0158145	VOLUME	663195.695	4271806.250	79.95
LOCATION	L0158146	VOLUME	663187.098	4271806.035	79.35
LOCATION	L0158147	VOLUME	663178.500	4271805.820	78.78
LOCATION	L0158148	VOLUME	663169.903	4271805.605	78.20
LOCATION	L0158149	VOLUME	663161.306	4271805.390	77.73
LOCATION	L0158150	VOLUME	663152.708	4271805.175	77.41
LOCATION	L0158151	VOLUME	663144.111	4271804.960	77.09
LOCATION	L0158152	VOLUME	663135.514	4271804.745	76.76
LOCATION	L0158153	VOLUME	663126.916	4271804.530	76.43
LOCATION	L0158154	VOLUME	663122.984	4271809.931	76.18
LOCATION	L0158155	VOLUME	663121.619	4271818.422	75.92
LOCATION	L0158156	VOLUME	663120.255	4271826.913	75.37
LOCATION	L0158157	VOLUME	663118.890	4271835.404	74.83
LOCATION	L0158158	VOLUME	663117.526	4271843.895	74.32
LOCATION	L0158159	VOLUME	663116.161	4271852.386	73.82
LOCATION	L0158160	VOLUME	663114.796	4271860.877	73.33
LOCATION	L0158161	VOLUME	663113.432	4271869.368	72.84
LOCATION	L0158162	VOLUME	663112.067	4271877.859	72.37
LOCATION	L0158163	VOLUME	663110.702	4271886.350	71.92
LOCATION	L0158164	VOLUME	663109.338	4271894.841	71.49
LOCATION	L0158165	VOLUME	663107.973	4271903.332	71.06
LOCATION	L0158166	VOLUME	663106.608	4271911.823	70.66
LOCATION	L0158167	VOLUME	663105.244	4271920.314	70.34
LOCATION	L0158168	VOLUME	663103.879	4271928.805	70.00
LOCATION	L0158169	VOLUME	663102.515	4271937.296	69.65
LOCATION	L0158170	VOLUME	663101.150	4271945.787	69.35
LOCATION	L0158171	VOLUME	663099.785	4271954.278	69.06
LOCATION	L0158172	VOLUME	663098.421	4271962.769	68.75
LOCATION	L0158173	VOLUME	663097.056	4271971.261	68.41
LOCATION	L0158174	VOLUME	663095.691	4271979.752	67.95
LOCATION	L0158175	VOLUME	663094.327	4271988.243	67.49
LOCATION	L0158176	VOLUME	663092.962	4271996.734	67.04
LOCATION	L0158177	VOLUME	663091.598	4272005.225	66.59
LOCATION	L0158178	VOLUME	663090.233	4272013.716	66.14
LOCATION	L0158179	VOLUME	663088.868	4272022.207	65.71
LOCATION	L0158180	VOLUME	663087.504	4272030.698	65.29
LOCATION	L0158181	VOLUME	663086.139	4272039.189	64.91
LOCATION	L0158182	VOLUME	663084.774	4272047.680	64.54
LOCATION	L0158183	VOLUME	663083.410	4272056.171	64.18
LOCATION	L0158184	VOLUME	663082.045	4272064.662	63.82
LOCATION	L0158185	VOLUME	663080.680	4272073.153	63.49
LOCATION	L0158186	VOLUME	663079.316	4272081.644	63.16
LOCATION	L0158187	VOLUME	663077.951	4272090.135	62.84
LOCATION	L0158188	VOLUME	663076.587	4272098.626	62.60
LOCATION	L0158189	VOLUME	663075.222	4272107.117	62.46
LOCATION	L0158190	VOLUME	663073.857	4272115.608	62.32
LOCATION	L0158191	VOLUME	663072.493	4272124.099	62.19
LOCATION	L0158192	VOLUME	663071.128	4272132.590	62.66
LOCATION	L0158193	VOLUME	663069.763	4272141.081	63.21
LOCATION	L0158194	VOLUME	663068.399	4272149.572	63.78

LOCATION	L0158195	VOLUME	663067.034	4272158.063	64.42
LOCATION	L0158196	VOLUME	663065.670	4272166.554	65.28
LOCATION	L0158197	VOLUME	663063.018	4272173.508	66.00
LOCATION	L0158198	VOLUME	663054.419	4272173.357	65.82
LOCATION	L0158199	VOLUME	663045.821	4272173.207	65.55
LOCATION	L0158200	VOLUME	663037.222	4272173.056	65.28
LOCATION	L0158201	VOLUME	663028.623	4272172.905	64.96
LOCATION	L0158202	VOLUME	663020.025	4272172.754	64.63
LOCATION	L0158203	VOLUME	663011.426	4272172.603	64.29
LOCATION	L0158204	VOLUME	663002.827	4272172.452	63.93
LOCATION	L0158205	VOLUME	662994.229	4272172.301	63.57
LOCATION	L0158206	VOLUME	662985.630	4272172.151	63.25
LOCATION	L0158207	VOLUME	662977.031	4272172.000	63.06
LOCATION	L0158208	VOLUME	662968.433	4272171.849	62.87
LOCATION	L0158209	VOLUME	662959.834	4272171.698	62.74
LOCATION	L0158210	VOLUME	662951.235	4272171.547	62.69
LOCATION	L0158211	VOLUME	662942.637	4272171.396	62.64
LOCATION	L0158212	VOLUME	662934.038	4272171.245	62.64
LOCATION	L0158213	VOLUME	662925.439	4272171.095	62.66
LOCATION	L0158214	VOLUME	662916.841	4272170.944	62.68
LOCATION	L0158215	VOLUME	662908.242	4272170.793	62.69
LOCATION	L0158216	VOLUME	662899.643	4272170.642	62.69
LOCATION	L0158217	VOLUME	662891.045	4272170.491	62.69
LOCATION	L0158218	VOLUME	662882.446	4272170.340	62.75
LOCATION	L0158219	VOLUME	662873.847	4272170.189	62.81
LOCATION	L0158220	VOLUME	662865.248	4272170.039	62.89
LOCATION	L0158221	VOLUME	662856.650	4272169.888	63.04
LOCATION	L0158222	VOLUME	662848.051	4272169.737	63.19
LOCATION	L0158223	VOLUME	662839.452	4272169.586	63.29
LOCATION	L0158224	VOLUME	662830.854	4272169.435	63.31
LOCATION	L0158225	VOLUME	662822.255	4272169.284	63.34
LOCATION	L0158226	VOLUME	662813.656	4272169.134	63.23
LOCATION	L0158227	VOLUME	662805.058	4272168.983	63.02
LOCATION	L0158228	VOLUME	662796.459	4272168.832	62.80
LOCATION	L0158229	VOLUME	662787.860	4272168.681	62.69
LOCATION	L0158230	VOLUME	662779.262	4272168.530	62.62
LOCATION	L0158231	VOLUME	662770.663	4272168.379	62.54
LOCATION	L0158232	VOLUME	662762.064	4272168.228	62.54
LOCATION	L0158233	VOLUME	662753.466	4272168.078	62.55
LOCATION	L0158234	VOLUME	662744.867	4272167.927	62.56
LOCATION	L0158235	VOLUME	662736.268	4272167.776	62.58
LOCATION	L0158236	VOLUME	662727.670	4272167.625	62.60
LOCATION	L0158237	VOLUME	662719.071	4272167.474	62.59
LOCATION	L0158238	VOLUME	662710.472	4272167.323	62.53
LOCATION	L0158239	VOLUME	662701.874	4272167.172	62.46
LOCATION	L0158240	VOLUME	662693.275	4272167.022	62.35
LOCATION	L0158241	VOLUME	662688.458	4272171.124	62.30
LOCATION	L0158242	VOLUME	662687.602	4272179.681	62.35
LOCATION	L0158243	VOLUME	662686.747	4272188.238	62.40
LOCATION	L0158244	VOLUME	662685.891	4272196.796	62.45

LOCATION	L0158245	VOLUME	662685.035	4272205.353	62.50
LOCATION	L0158246	VOLUME	662684.179	4272213.910	62.59
LOCATION	L0158247	VOLUME	662683.324	4272222.468	62.71
LOCATION	L0158248	VOLUME	662682.468	4272231.025	62.83
LOCATION	L0158249	VOLUME	662681.612	4272239.582	62.94
LOCATION	L0158250	VOLUME	662680.756	4272248.140	63.10
LOCATION	L0158251	VOLUME	662679.901	4272256.697	63.27
LOCATION	L0158252	VOLUME	662679.045	4272265.254	63.43
LOCATION	L0158253	VOLUME	662678.189	4272273.812	63.57
LOCATION	L0158254	VOLUME	662677.333	4272282.369	63.69
LOCATION	L0158255	VOLUME	662676.478	4272290.926	63.80
LOCATION	L0158256	VOLUME	662675.622	4272299.484	63.91
LOCATION	L0158257	VOLUME	662674.766	4272308.041	64.06
LOCATION	L0158258	VOLUME	662673.911	4272316.598	64.23
LOCATION	L0158259	VOLUME	662673.055	4272325.156	64.40
LOCATION	L0158260	VOLUME	662672.199	4272333.713	64.61
LOCATION	L0158261	VOLUME	662671.343	4272342.270	65.08
LOCATION	L0158262	VOLUME	662670.488	4272350.828	65.56
LOCATION	L0158263	VOLUME	662669.632	4272359.385	66.06
LOCATION	L0158264	VOLUME	662668.776	4272367.942	66.52
LOCATION	L0158265	VOLUME	662667.920	4272376.499	66.99
LOCATION	L0158266	VOLUME	662667.065	4272385.057	67.48
LOCATION	L0158267	VOLUME	662666.209	4272393.614	67.99
LOCATION	L0158268	VOLUME	662665.353	4272402.171	68.96
LOCATION	L0158269	VOLUME	662664.497	4272410.729	70.01
LOCATION	L0158270	VOLUME	662663.642	4272419.286	71.09
LOCATION	L0158271	VOLUME	662662.786	4272427.843	72.24
LOCATION	L0158272	VOLUME	662661.930	4272436.401	73.47
LOCATION	L0158273	VOLUME	662661.075	4272444.958	74.74
LOCATION	L0158274	VOLUME	662660.219	4272453.515	76.06
LOCATION	L0158275	VOLUME	662659.363	4272462.073	77.05
LOCATION	L0158276	VOLUME	662658.507	4272470.630	77.94
LOCATION	L0158277	VOLUME	662657.652	4272479.187	78.87
LOCATION	L0158278	VOLUME	662656.796	4272487.745	79.71
LOCATION	L0158279	VOLUME	662655.940	4272496.302	79.62
LOCATION	L0158280	VOLUME	662655.084	4272504.859	79.51
LOCATION	L0158281	VOLUME	662654.229	4272513.417	79.39
LOCATION	L0158282	VOLUME	662653.373	4272521.974	78.80
LOCATION	L0158283	VOLUME	662652.517	4272530.531	77.76
LOCATION	L0158284	VOLUME	662651.661	4272539.089	76.69
LOCATION	L0158285	VOLUME	662650.806	4272547.646	75.57
LOCATION	L0158286	VOLUME	662649.950	4272556.203	74.73
LOCATION	L0158287	VOLUME	662646.950	4272562.288	74.55
LOCATION	L0158288	VOLUME	662638.357	4272561.926	76.09
LOCATION	L0158289	VOLUME	662629.765	4272561.564	77.63
LOCATION	L0158290	VOLUME	662621.172	4272561.203	79.17
LOCATION	L0158291	VOLUME	662612.580	4272560.841	79.85
LOCATION	L0158292	VOLUME	662603.988	4272560.479	79.68
LOCATION	L0158293	VOLUME	662595.395	4272560.117	79.51
LOCATION	L0158294	VOLUME	662586.803	4272559.755	78.81

LOCATION	L0158295	VOLUME	662578.210	4272559.394	77.87
LOCATION	L0158296	VOLUME	662569.618	4272559.032	76.92
LOCATION	L0158297	VOLUME	662561.026	4272558.670	76.01
LOCATION	L0158298	VOLUME	662552.433	4272558.308	75.10
LOCATION	L0158299	VOLUME	662543.841	4272557.947	74.12
LOCATION	L0158300	VOLUME	662535.249	4272557.585	72.06
LOCATION	L0158301	VOLUME	662526.656	4272557.223	70.00
LOCATION	L0158302	VOLUME	662518.064	4272556.861	68.04
LOCATION	L0158303	VOLUME	662509.471	4272556.499	66.43
LOCATION	L0158304	VOLUME	662500.879	4272556.138	64.81
LOCATION	L0158305	VOLUME	662492.287	4272555.776	63.76
LOCATION	L0158306	VOLUME	662483.694	4272555.414	63.45
LOCATION	L0158307	VOLUME	662475.102	4272555.052	63.14
LOCATION	L0158308	VOLUME	662466.509	4272554.691	63.05
LOCATION	L0158309	VOLUME	662457.917	4272554.329	63.10
LOCATION	L0158310	VOLUME	662449.325	4272553.967	63.15
LOCATION	L0158311	VOLUME	662440.732	4272553.605	63.13
LOCATION	L0158312	VOLUME	662432.140	4272553.243	63.09
LOCATION	L0158313	VOLUME	662423.547	4272552.882	63.05
LOCATION	L0158314	VOLUME	662414.955	4272552.520	62.83
LOCATION	L0158315	VOLUME	662406.363	4272552.158	62.59
LOCATION	L0158316	VOLUME	662397.770	4272551.796	62.43
LOCATION	L0158317	VOLUME	662389.178	4272551.434	62.61
LOCATION	L0158318	VOLUME	662380.586	4272551.073	62.79
LOCATION	L0158319	VOLUME	662371.993	4272550.711	62.93
LOCATION	L0158320	VOLUME	662363.401	4272550.349	63.03
LOCATION	L0158321	VOLUME	662354.808	4272549.987	63.12
LOCATION	L0158322	VOLUME	662346.216	4272549.626	63.24
LOCATION	L0158323	VOLUME	662337.624	4272549.264	63.38
LOCATION	L0158324	VOLUME	662329.031	4272548.902	63.53
LOCATION	L0158325	VOLUME	662320.439	4272548.540	63.63
LOCATION	L0158326	VOLUME	662311.846	4272548.178	63.71
LOCATION	L0158327	VOLUME	662303.254	4272547.817	63.80
LOCATION	L0158328	VOLUME	662294.662	4272547.455	63.83
LOCATION	L0158329	VOLUME	662286.069	4272547.093	63.87
LOCATION	L0158330	VOLUME	662277.477	4272546.731	63.90
LOCATION	L0158331	VOLUME	662268.885	4272546.369	63.96
LOCATION	L0158332	VOLUME	662260.292	4272546.008	64.02
LOCATION	L0158333	VOLUME	662251.700	4272545.646	64.08
LOCATION	L0158334	VOLUME	662243.107	4272545.284	64.13
LOCATION	L0158335	VOLUME	662234.515	4272544.922	64.18
LOCATION	L0158336	VOLUME	662225.923	4272544.561	64.21
LOCATION	L0158337	VOLUME	662217.330	4272544.199	64.24
LOCATION	L0158338	VOLUME	662208.738	4272543.837	64.26
LOCATION	L0158339	VOLUME	662200.145	4272543.475	64.27
LOCATION	L0158340	VOLUME	662191.553	4272543.113	64.28
LOCATION	L0158341	VOLUME	662182.961	4272542.752	64.30
LOCATION	L0158342	VOLUME	662174.368	4272542.390	64.36
LOCATION	L0158343	VOLUME	662165.776	4272542.028	64.44
LOCATION	L0158344	VOLUME	662157.184	4272541.666	64.51

LOCATION	L0158345	VOLUME	662148.591	4272541.304	64.64
LOCATION	L0158346	VOLUME	662139.999	4272540.943	64.77
LOCATION	L0158347	VOLUME	662131.406	4272540.581	64.88
LOCATION	L0158348	VOLUME	662122.814	4272540.219	64.97
LOCATION	L0158349	VOLUME	662114.222	4272539.857	65.07
LOCATION	L0158350	VOLUME	662105.629	4272539.496	65.14
LOCATION	L0158351	VOLUME	662097.037	4272539.134	65.19
LOCATION	L0158352	VOLUME	662088.444	4272538.772	65.25
LOCATION	L0158353	VOLUME	662079.852	4272538.410	65.30
LOCATION	L0158354	VOLUME	662071.260	4272538.048	65.36
LOCATION	L0158355	VOLUME	662062.667	4272537.687	65.42
LOCATION	L0158356	VOLUME	662054.075	4272537.325	65.40
LOCATION	L0158357	VOLUME	662045.482	4272536.963	65.37
LOCATION	L0158358	VOLUME	662036.890	4272536.601	65.33
LOCATION	L0158359	VOLUME	662028.298	4272536.239	65.38
LOCATION	L0158360	VOLUME	662023.515	4272532.529	65.41
LOCATION	L0158361	VOLUME	662024.256	4272523.961	65.39
LOCATION	L0158362	VOLUME	662024.998	4272515.393	65.38
LOCATION	L0158363	VOLUME	662025.739	4272506.825	65.37
LOCATION	L0158364	VOLUME	662026.480	4272498.257	65.46
LOCATION	L0158365	VOLUME	662027.222	4272489.689	65.58
LOCATION	L0158366	VOLUME	662027.963	4272481.121	65.70
LOCATION	L0158367	VOLUME	662028.705	4272472.553	65.82
LOCATION	L0158368	VOLUME	662029.446	4272463.985	65.95
LOCATION	L0158369	VOLUME	662030.188	4272455.417	66.07
LOCATION	L0158370	VOLUME	662030.929	4272446.849	66.19
LOCATION	L0158371	VOLUME	662031.671	4272438.281	66.20
LOCATION	L0158372	VOLUME	662032.412	4272429.713	66.12
LOCATION	L0158373	VOLUME	662033.154	4272421.145	66.03
LOCATION	L0158374	VOLUME	662033.895	4272412.577	65.93
LOCATION	L0158375	VOLUME	662034.637	4272404.009	65.87
LOCATION	L0158376	VOLUME	662035.378	4272395.441	65.81
LOCATION	L0158377	VOLUME	662036.119	4272386.873	65.74
LOCATION	L0158378	VOLUME	662036.861	4272378.305	65.80
LOCATION	L0158379	VOLUME	662037.602	4272369.737	66.04
LOCATION	L0158380	VOLUME	662038.344	4272361.169	66.29
LOCATION	L0158381	VOLUME	662039.085	4272352.601	66.54
LOCATION	L0158382	VOLUME	662039.827	4272344.033	66.89
LOCATION	L0158383	VOLUME	662040.568	4272335.465	67.28
LOCATION	L0158384	VOLUME	662041.310	4272326.897	67.68
LOCATION	L0158385	VOLUME	662042.051	4272318.329	68.11
LOCATION	L0158386	VOLUME	662042.793	4272309.761	68.68
LOCATION	L0158387	VOLUME	662043.534	4272301.193	69.26
LOCATION	L0158388	VOLUME	662044.275	4272292.625	69.85
LOCATION	L0158389	VOLUME	662045.017	4272284.057	70.53
LOCATION	L0158390	VOLUME	662045.758	4272275.489	71.28
LOCATION	L0158391	VOLUME	662046.500	4272266.921	72.05
LOCATION	L0158392	VOLUME	662047.241	4272258.353	72.82
LOCATION	L0158393	VOLUME	662047.983	4272249.785	73.72
LOCATION	L0158394	VOLUME	662048.724	4272241.217	74.63

LOCATION	L0158395	VOLUME	662049.466	4272232.649	75.54
LOCATION	L0158396	VOLUME	662050.207	4272224.081	76.46
LOCATION	L0158397	VOLUME	662050.949	4272215.513	77.40
LOCATION	L0158398	VOLUME	662051.690	4272206.945	78.34
LOCATION	L0158399	VOLUME	662052.432	4272198.377	79.27
LOCATION	L0158400	VOLUME	662053.173	4272189.810	80.23
LOCATION	L0158401	VOLUME	662053.914	4272181.242	81.20
LOCATION	L0158402	VOLUME	662054.656	4272172.674	82.17
LOCATION	L0158403	VOLUME	662055.397	4272164.106	83.10
LOCATION	L0158404	VOLUME	662056.139	4272155.538	83.93
LOCATION	L0158405	VOLUME	662056.880	4272146.970	84.75
LOCATION	L0158406	VOLUME	662057.622	4272138.402	85.56
LOCATION	L0158407	VOLUME	662058.363	4272129.834	85.83
LOCATION	L0158408	VOLUME	662059.105	4272121.266	85.78
LOCATION	L0158409	VOLUME	662059.846	4272112.698	85.70
LOCATION	L0158410	VOLUME	662060.588	4272104.130	85.56
LOCATION	L0158411	VOLUME	662061.329	4272095.562	85.02
LOCATION	L0158412	VOLUME	662062.071	4272086.994	84.45
LOCATION	L0158413	VOLUME	662062.812	4272078.426	83.85
LOCATION	L0158414	VOLUME	662063.553	4272069.858	83.13
LOCATION	L0158415	VOLUME	662064.295	4272061.290	82.29
LOCATION	L0158416	VOLUME	662065.036	4272052.722	81.46
LOCATION	L0158417	VOLUME	662065.778	4272044.154	80.62
LOCATION	L0158418	VOLUME	662066.519	4272035.586	79.63
LOCATION	L0158419	VOLUME	662067.261	4272027.018	78.64
LOCATION	L0158420	VOLUME	662068.002	4272018.450	77.66
LOCATION	L0158421	VOLUME	662068.744	4272009.882	76.70
LOCATION	L0158422	VOLUME	662069.485	4272001.314	75.77
LOCATION	L0158423	VOLUME	662070.227	4271992.746	74.84
LOCATION	L0158424	VOLUME	662070.968	4271984.178	73.91
LOCATION	L0158425	VOLUME	662071.709	4271975.610	73.38
LOCATION	L0158426	VOLUME	662072.451	4271967.042	73.03
LOCATION	L0158427	VOLUME	662073.192	4271958.474	72.70
LOCATION	L0158428	VOLUME	662073.934	4271949.906	72.40
LOCATION	L0158429	VOLUME	662074.675	4271941.338	72.60
LOCATION	L0158430	VOLUME	662075.417	4271932.770	72.77
LOCATION	L0158431	VOLUME	662076.158	4271924.202	72.92
LOCATION	L0158432	VOLUME	662076.900	4271915.634	73.05
LOCATION	L0158433	VOLUME	662077.641	4271907.066	73.16
LOCATION	L0158434	VOLUME	662078.383	4271898.498	73.26
LOCATION	L0158435	VOLUME	662079.124	4271889.930	73.35
LOCATION	L0158436	VOLUME	662079.866	4271881.362	73.21
LOCATION	L0158437	VOLUME	662080.607	4271872.794	73.06
LOCATION	L0158438	VOLUME	662081.348	4271864.226	72.91
LOCATION	L0158439	VOLUME	662082.090	4271855.658	72.72
LOCATION	L0158440	VOLUME	662086.041	4271850.589	72.15
LOCATION	L0158441	VOLUME	662094.641	4271850.589	71.14
LOCATION	L0158442	VOLUME	662103.241	4271850.589	70.28
LOCATION	L0158443	VOLUME	662111.841	4271850.589	69.56
LOCATION	L0158444	VOLUME	662120.441	4271850.589	68.84

LOCATION	L0158445	VOLUME	662129.041	4271850.589	68.37
LOCATION	L0158446	VOLUME	662137.641	4271850.589	68.01
LOCATION	L0158447	VOLUME	662146.241	4271850.589	67.64
LOCATION	L0158448	VOLUME	662154.841	4271850.589	67.60
LOCATION	L0158449	VOLUME	662163.441	4271850.589	67.60
LOCATION	L0158450	VOLUME	662172.041	4271850.589	67.61
LOCATION	L0158451	VOLUME	662180.641	4271850.589	67.72
LOCATION	L0158452	VOLUME	662189.241	4271850.589	67.82
LOCATION	L0158453	VOLUME	662197.841	4271850.589	67.91
LOCATION	L0158454	VOLUME	662206.441	4271850.589	67.96
LOCATION	L0158455	VOLUME	662215.041	4271850.589	68.01
LOCATION	L0158456	VOLUME	662223.641	4271850.589	68.04
LOCATION	L0158457	VOLUME	662232.241	4271850.589	68.06
LOCATION	L0158458	VOLUME	662240.841	4271850.589	68.08
LOCATION	L0158459	VOLUME	662249.441	4271850.589	68.04
LOCATION	L0158460	VOLUME	662258.041	4271850.589	67.97
LOCATION	L0158461	VOLUME	662266.641	4271850.589	67.90
LOCATION	L0158462	VOLUME	662275.241	4271850.589	67.64
LOCATION	L0158463	VOLUME	662283.841	4271850.589	67.35
LOCATION	L0158464	VOLUME	662292.441	4271850.589	67.05
LOCATION	L0158465	VOLUME	662301.041	4271850.589	66.71
LOCATION	L0158466	VOLUME	662309.641	4271850.589	66.38
LOCATION	L0158467	VOLUME	662318.241	4271850.589	66.04
LOCATION	L0158468	VOLUME	662326.841	4271850.589	65.67
LOCATION	L0158469	VOLUME	662335.441	4271850.589	65.30
LOCATION	L0158470	VOLUME	662344.041	4271850.589	64.97
LOCATION	L0158471	VOLUME	662352.641	4271850.589	64.69
LOCATION	L0158472	VOLUME	662361.241	4271850.589	64.41
LOCATION	L0158473	VOLUME	662369.841	4271850.589	64.18
LOCATION	L0158474	VOLUME	662378.441	4271850.589	63.99
LOCATION	L0158475	VOLUME	662387.041	4271850.589	63.80
LOCATION	L0158476	VOLUME	662395.641	4271850.589	63.67
LOCATION	L0158477	VOLUME	662404.241	4271850.589	63.55
LOCATION	L0158478	VOLUME	662412.841	4271850.589	63.44
LOCATION	L0158479	VOLUME	662421.441	4271850.589	63.27
LOCATION	L0158480	VOLUME	662430.041	4271850.589	63.10
LOCATION	L0158481	VOLUME	662438.641	4271850.589	62.91
LOCATION	L0158482	VOLUME	662447.241	4271850.589	62.61
LOCATION	L0158483	VOLUME	662455.841	4271850.589	62.30
LOCATION	L0158484	VOLUME	662464.441	4271850.589	62.04
LOCATION	L0158485	VOLUME	662473.041	4271850.589	61.91
LOCATION	L0158486	VOLUME	662481.641	4271850.589	61.77
LOCATION	L0158487	VOLUME	662490.241	4271850.589	61.84
LOCATION	L0158488	VOLUME	662498.841	4271850.589	62.15
LOCATION	L0158489	VOLUME	662507.441	4271850.589	62.45
LOCATION	L0158490	VOLUME	662516.041	4271850.589	62.72
LOCATION	L0158491	VOLUME	662517.487	4271843.466	62.61
LOCATION	L0158492	VOLUME	662517.451	4271834.866	62.42
LOCATION	L0158493	VOLUME	662517.414	4271826.266	62.22
LOCATION	L0158494	VOLUME	662517.378	4271817.666	62.02

LOCATION	L0158495	VOLUME	662517.342	4271809.066	61.82
LOCATION	L0158496	VOLUME	662517.305	4271800.466	61.72
LOCATION	L0158497	VOLUME	662517.269	4271791.866	61.68
LOCATION	L0158498	VOLUME	662517.233	4271783.266	61.64
LOCATION	L0158499	VOLUME	662517.197	4271774.666	61.61
LOCATION	L0158500	VOLUME	662517.160	4271766.066	61.36
LOCATION	L0158501	VOLUME	662517.124	4271757.466	61.11
LOCATION	L0158502	VOLUME	662517.088	4271748.867	60.86
LOCATION	L0158503	VOLUME	662517.051	4271740.267	60.61
LOCATION	L0158504	VOLUME	662517.015	4271731.667	60.37
LOCATION	L0158505	VOLUME	662516.979	4271723.067	60.11
LOCATION	L0158506	VOLUME	662516.943	4271714.467	59.86
LOCATION	L0158507	VOLUME	662516.906	4271705.867	59.81
LOCATION	L0158508	VOLUME	662516.870	4271697.267	59.81
LOCATION	L0158509	VOLUME	662516.834	4271688.667	59.81
LOCATION	L0158510	VOLUME	662516.797	4271680.067	59.80
LOCATION	L0158511	VOLUME	662516.761	4271671.467	59.80
LOCATION	L0158512	VOLUME	662516.725	4271662.867	59.80
LOCATION	L0158513	VOLUME	662516.689	4271654.267	59.79
LOCATION	L0158514	VOLUME	662516.652	4271645.667	59.78
LOCATION	L0158515	VOLUME	662516.616	4271637.068	59.75
LOCATION	L0158516	VOLUME	662516.580	4271628.468	59.73
LOCATION	L0158517	VOLUME	662516.543	4271619.868	59.71
LOCATION	L0158518	VOLUME	662516.507	4271611.268	59.69
LOCATION	L0158519	VOLUME	662516.471	4271602.668	59.67
LOCATION	L0158520	VOLUME	662516.435	4271594.068	59.66
LOCATION	L0158521	VOLUME	662516.398	4271585.468	59.63
LOCATION	L0158522	VOLUME	662516.362	4271576.868	59.60
LOCATION	L0158523	VOLUME	662516.326	4271568.268	59.58
LOCATION	L0158524	VOLUME	662516.289	4271559.668	59.55
LOCATION	L0158525	VOLUME	662516.253	4271551.068	59.32
LOCATION	L0158526	VOLUME	662516.217	4271542.468	59.07
LOCATION	L0158527	VOLUME	662516.181	4271533.868	58.82
LOCATION	L0158528	VOLUME	662516.144	4271525.269	58.65
LOCATION	L0158529	VOLUME	662516.108	4271516.669	58.65
LOCATION	L0158530	VOLUME	662516.072	4271508.069	58.66
LOCATION	L0158531	VOLUME	662516.035	4271499.469	58.66
LOCATION	L0158532	VOLUME	662515.999	4271490.869	58.78
LOCATION	L0158533	VOLUME	662515.963	4271482.269	58.96
LOCATION	L0158534	VOLUME	662515.927	4271473.669	59.13
LOCATION	L0158535	VOLUME	662515.890	4271465.069	59.27
LOCATION	L0158536	VOLUME	662515.854	4271456.469	59.23
LOCATION	L0158537	VOLUME	662515.818	4271447.869	59.18
LOCATION	L0158538	VOLUME	662515.781	4271439.269	59.14
LOCATION	L0158539	VOLUME	662515.745	4271430.669	59.07
LOCATION	L0158540	VOLUME	662515.709	4271422.069	58.97
LOCATION	L0158541	VOLUME	662515.673	4271413.470	58.88
LOCATION	L0158542	VOLUME	662515.636	4271404.870	58.79
LOCATION	L0158543	VOLUME	662515.600	4271396.270	58.80
LOCATION	L0158544	VOLUME	662515.564	4271387.670	58.82



LOCATION	L0158545	VOLUME	662515.527	4271379.070	58.84
LOCATION	L0158546	VOLUME	662515.491	4271370.470	58.82
LOCATION	L0158547	VOLUME	662515.455	4271361.870	58.74
LOCATION	L0158548	VOLUME	662515.418	4271353.270	58.66
LOCATION	L0158549	VOLUME	662515.382	4271344.670	58.59
LOCATION	L0158550	VOLUME	662515.346	4271336.070	58.56
LOCATION	L0158551	VOLUME	662515.310	4271327.470	58.55
LOCATION	L0158552	VOLUME	662515.273	4271318.870	58.55
LOCATION	L0158553	VOLUME	662515.237	4271310.270	58.52
LOCATION	L0158554	VOLUME	662515.201	4271301.671	58.44
LOCATION	L0158555	VOLUME	662515.164	4271293.071	58.36
LOCATION	L0158556	VOLUME	662515.128	4271284.471	58.27
LOCATION	L0158557	VOLUME	662515.092	4271275.871	58.26
LOCATION	L0158558	VOLUME	662515.056	4271267.271	58.28
LOCATION	L0158559	VOLUME	662515.019	4271258.671	58.31
LOCATION	L0158560	VOLUME	662514.983	4271250.071	58.34
LOCATION	L0158561	VOLUME	662514.947	4271241.471	58.42
LOCATION	L0158562	VOLUME	662514.910	4271232.871	58.50
LOCATION	L0158563	VOLUME	662514.874	4271224.271	58.57
LOCATION	L0158564	VOLUME	662514.838	4271215.671	58.58
LOCATION	L0158565	VOLUME	662514.802	4271207.071	58.52
LOCATION	L0158566	VOLUME	662514.765	4271198.471	58.45
LOCATION	L0158567	VOLUME	662514.729	4271189.872	58.39
LOCATION	L0158568	VOLUME	662514.693	4271181.272	58.35
LOCATION	L0158569	VOLUME	662514.656	4271172.672	58.32
LOCATION	L0158570	VOLUME	662514.620	4271164.072	58.30
LOCATION	L0158571	VOLUME	662514.584	4271155.472	58.26
LOCATION	L0158572	VOLUME	662514.548	4271146.872	58.19
LOCATION	L0158573	VOLUME	662514.511	4271138.272	58.13
LOCATION	L0158574	VOLUME	662514.475	4271129.672	58.07
LOCATION	L0158575	VOLUME	662514.439	4271121.072	58.03
LOCATION	L0158576	VOLUME	662514.402	4271112.472	58.01
LOCATION	L0158577	VOLUME	662514.366	4271103.872	57.99
LOCATION	L0158578	VOLUME	662514.330	4271095.272	57.98
LOCATION	L0158579	VOLUME	662514.294	4271086.672	57.99
LOCATION	L0158580	VOLUME	662514.257	4271078.073	58.00
LOCATION	L0158581	VOLUME	662514.221	4271069.473	58.02
LOCATION	L0158582	VOLUME	662514.185	4271060.873	58.12
LOCATION	L0158583	VOLUME	662514.148	4271052.273	58.31
LOCATION	L0158584	VOLUME	662514.112	4271043.673	58.50
LOCATION	L0158585	VOLUME	662514.076	4271035.073	58.69
LOCATION	L0158586	VOLUME	662514.040	4271026.473	58.99
LOCATION	L0158587	VOLUME	662514.003	4271017.873	59.31
LOCATION	L0158588	VOLUME	662513.967	4271009.273	59.62
LOCATION	L0158589	VOLUME	662513.931	4271000.673	59.83
LOCATION	L0158590	VOLUME	662513.894	4270992.073	59.85
LOCATION	L0158591	VOLUME	662513.858	4270983.473	59.86
LOCATION	L0158592	VOLUME	662513.822	4270974.873	59.87
LOCATION	L0158593	VOLUME	662513.786	4270966.274	60.01
LOCATION	L0158594	VOLUME	662513.749	4270957.674	60.18

LOCATION	L0158595	VOLUME	662513.713	4270949.074	60.35
LOCATION	L0158596	VOLUME	662513.677	4270940.474	60.54
LOCATION	L0158597	VOLUME	662513.640	4270931.874	60.77
LOCATION	L0158598	VOLUME	662513.604	4270923.274	61.00
LOCATION	L0158599	VOLUME	662513.568	4270914.674	61.22
LOCATION	L0158600	VOLUME	662513.532	4270906.074	61.35
LOCATION	L0158601	VOLUME	662513.495	4270897.474	61.41
LOCATION	L0158602	VOLUME	662513.459	4270888.874	61.46
LOCATION	L0158603	VOLUME	662513.423	4270880.274	61.51
LOCATION	L0158604	VOLUME	662513.386	4270871.674	61.45
LOCATION	L0158605	VOLUME	662513.350	4270863.074	61.38
LOCATION	L0158606	VOLUME	662513.314	4270854.474	61.32
LOCATION	L0158607	VOLUME	662513.278	4270845.875	61.24
LOCATION	L0158608	VOLUME	662513.241	4270837.275	61.14
LOCATION	L0158609	VOLUME	662513.205	4270828.675	61.04
LOCATION	L0158610	VOLUME	662513.169	4270820.075	60.95
LOCATION	L0158611	VOLUME	662513.132	4270811.475	60.85
LOCATION	L0158612	VOLUME	662513.096	4270802.875	60.75
LOCATION	L0158613	VOLUME	662513.060	4270794.275	60.65
LOCATION	L0158614	VOLUME	662513.024	4270785.675	60.54
LOCATION	L0158615	VOLUME	662512.987	4270777.075	60.39
LOCATION	L0158616	VOLUME	662512.951	4270768.475	60.24
LOCATION	L0158617	VOLUME	662512.915	4270759.875	60.09
LOCATION	L0158618	VOLUME	662512.878	4270751.275	59.97
LOCATION	L0158619	VOLUME	662512.842	4270742.675	59.88
LOCATION	L0158620	VOLUME	662512.806	4270734.076	59.79
LOCATION	L0158621	VOLUME	662512.770	4270725.476	59.70
LOCATION	L0158622	VOLUME	662512.733	4270716.876	59.53
LOCATION	L0158623	VOLUME	662512.697	4270708.276	59.36
LOCATION	L0158624	VOLUME	662512.661	4270699.676	59.19
LOCATION	L0158625	VOLUME	662512.624	4270691.076	59.12
LOCATION	L0158626	VOLUME	662512.588	4270682.476	59.16
LOCATION	L0158627	VOLUME	662512.552	4270673.876	59.20
LOCATION	L0158628	VOLUME	662512.516	4270665.276	59.23
LOCATION	L0158629	VOLUME	662512.479	4270656.676	59.39
LOCATION	L0158630	VOLUME	662512.443	4270648.076	59.57
LOCATION	L0158631	VOLUME	662512.407	4270639.476	59.74
LOCATION	L0158632	VOLUME	662512.370	4270630.876	59.84
LOCATION	L0158633	VOLUME	662512.334	4270622.277	59.74
LOCATION	L0158634	VOLUME	662512.298	4270613.677	59.65
LOCATION	L0158635	VOLUME	662512.262	4270605.077	59.55
LOCATION	L0158636	VOLUME	662512.225	4270596.477	59.47
LOCATION	L0158637	VOLUME	662512.189	4270587.877	59.40
LOCATION	L0158638	VOLUME	662512.153	4270579.277	59.32
LOCATION	L0158639	VOLUME	662512.116	4270570.677	59.25
LOCATION	L0158640	VOLUME	662512.080	4270562.077	59.22
LOCATION	L0158641	VOLUME	662512.044	4270553.477	59.18
LOCATION	L0158642	VOLUME	662512.008	4270544.877	59.14
LOCATION	L0158643	VOLUME	662511.971	4270536.277	59.03
LOCATION	L0158644	VOLUME	662511.935	4270527.677	58.85

LOCATION	L0158645	VOLUME	662511.899	4270519.077	58.66
LOCATION	L0158646	VOLUME	662511.862	4270510.478	58.48
LOCATION	L0158647	VOLUME	662511.826	4270501.878	58.27
LOCATION	L0158648	VOLUME	662511.790	4270493.278	58.07
LOCATION	L0158649	VOLUME	662511.754	4270484.678	57.87
LOCATION	L0158650	VOLUME	662511.717	4270476.078	57.68
LOCATION	L0158651	VOLUME	662511.681	4270467.478	57.51
LOCATION	L0158652	VOLUME	662511.645	4270458.878	57.35
LOCATION	L0158653	VOLUME	662511.608	4270450.278	57.19
LOCATION	L0158654	VOLUME	662511.572	4270441.678	57.13
LOCATION	L0158655	VOLUME	662511.536	4270433.078	57.10
LOCATION	L0158656	VOLUME	662511.500	4270424.478	57.08
LOCATION	L0158657	VOLUME	662511.463	4270415.878	57.06
LOCATION	L0158658	VOLUME	662511.427	4270407.278	57.08
LOCATION	L0158659	VOLUME	662511.391	4270398.679	57.09
LOCATION	L0158660	VOLUME	662511.354	4270390.079	57.11
LOCATION	L0158661	VOLUME	662511.318	4270381.479	57.05
LOCATION	L0158662	VOLUME	662511.282	4270372.879	56.95
LOCATION	L0158663	VOLUME	662511.246	4270364.279	56.84
LOCATION	L0158664	VOLUME	662511.209	4270355.679	56.73
LOCATION	L0158665	VOLUME	662511.173	4270347.079	56.62
LOCATION	L0158666	VOLUME	662511.137	4270338.479	56.50
LOCATION	L0158667	VOLUME	662511.100	4270329.879	56.38
LOCATION	L0158668	VOLUME	662511.064	4270321.279	56.22
LOCATION	L0158669	VOLUME	662511.028	4270312.679	56.00
LOCATION	L0158670	VOLUME	662510.992	4270304.079	55.79
LOCATION	L0158671	VOLUME	662510.955	4270295.479	55.58
LOCATION	L0158672	VOLUME	662512.632	4270288.556	55.49
LOCATION	L0158673	VOLUME	662521.231	4270288.403	56.16
LOCATION	L0158674	VOLUME	662529.830	4270288.251	57.07
LOCATION	L0158675	VOLUME	662538.428	4270288.099	57.98
LOCATION	L0158676	VOLUME	662547.027	4270287.947	58.77
LOCATION	L0158677	VOLUME	662555.625	4270287.795	59.48
LOCATION	L0158678	VOLUME	662564.224	4270287.643	60.20
LOCATION	L0158679	VOLUME	662572.823	4270287.490	60.81
LOCATION	L0158680	VOLUME	662581.421	4270287.338	61.39
LOCATION	L0158681	VOLUME	662590.020	4270287.186	61.98
LOCATION	L0158682	VOLUME	662598.619	4270287.034	62.33
LOCATION	L0158683	VOLUME	662607.217	4270286.882	62.67
LOCATION	L0158684	VOLUME	662615.816	4270286.729	63.02
LOCATION	L0158685	VOLUME	662624.415	4270286.577	63.42
LOCATION	L0158686	VOLUME	662633.013	4270286.425	63.82
LOCATION	L0158687	VOLUME	662641.612	4270286.273	64.26
LOCATION	L0158688	VOLUME	662650.211	4270286.121	64.80
LOCATION	L0158689	VOLUME	662658.809	4270285.968	65.34
LOCATION	L0158690	VOLUME	662667.408	4270285.816	65.87
LOCATION	L0158691	VOLUME	662676.007	4270285.664	66.40
LOCATION	L0158692	VOLUME	662684.605	4270285.512	66.93
LOCATION	L0158693	VOLUME	662693.204	4270285.360	67.41
LOCATION	L0158694	VOLUME	662701.803	4270285.207	67.87

LOCATION	L0158695	VOLUME	662710.401	4270285.055	68.32
LOCATION	L0158696	VOLUME	662719.000	4270284.903	68.70
LOCATION	L0158697	VOLUME	662727.599	4270284.751	69.06
LOCATION	L0158698	VOLUME	662736.197	4270284.599	69.43
LOCATION	L0158699	VOLUME	662744.796	4270284.447	69.72
LOCATION	L0158700	VOLUME	662753.394	4270284.294	70.01
LOCATION	L0158701	VOLUME	662761.993	4270284.142	70.29
LOCATION	L0158702	VOLUME	662770.592	4270283.990	70.51
LOCATION	L0158703	VOLUME	662779.190	4270283.838	70.72
LOCATION	L0158704	VOLUME	662787.789	4270283.686	70.91
LOCATION	L0158705	VOLUME	662796.388	4270283.533	71.04
LOCATION	L0158706	VOLUME	662804.986	4270283.381	71.18
LOCATION	L0158707	VOLUME	662813.585	4270283.229	71.33
LOCATION	L0158708	VOLUME	662822.184	4270283.077	71.50
LOCATION	L0158709	VOLUME	662830.782	4270282.925	71.66
LOCATION	L0158710	VOLUME	662839.381	4270282.772	71.88
LOCATION	L0158711	VOLUME	662847.980	4270282.620	72.12
LOCATION	L0158712	VOLUME	662856.578	4270282.468	72.35
LOCATION	L0158713	VOLUME	662865.177	4270282.316	72.40
LOCATION	L0158714	VOLUME	662873.776	4270282.164	72.43
LOCATION	L0158715	VOLUME	662882.374	4270282.012	72.40
LOCATION	L0158716	VOLUME	662890.973	4270281.859	71.98
LOCATION	L0158717	VOLUME	662899.572	4270281.707	71.55
LOCATION	L0158718	VOLUME	662908.170	4270281.555	71.00
LOCATION	L0158719	VOLUME	662916.769	4270281.403	70.17
LOCATION	L0158720	VOLUME	662925.368	4270281.251	69.34
LOCATION	L0158721	VOLUME	662933.966	4270281.098	68.38
LOCATION	L0158722	VOLUME	662942.565	4270280.946	67.31
LOCATION	L0158723	VOLUME	662951.164	4270280.794	66.24
LOCATION	L0158724	VOLUME	662959.762	4270280.642	65.27
LOCATION	L0158725	VOLUME	662968.361	4270280.490	64.36
LOCATION	L0158726	VOLUME	662976.959	4270280.337	63.45
LOCATION	L0158727	VOLUME	662985.558	4270280.185	62.69
LOCATION	L0158728	VOLUME	662994.157	4270280.033	61.97
LOCATION	L0158729	VOLUME	663002.755	4270279.881	61.24
LOCATION	L0158730	VOLUME	663011.354	4270279.729	60.36
LOCATION	L0158731	VOLUME	663019.953	4270279.577	59.47
LOCATION	L0158732	VOLUME	663028.551	4270279.424	58.77
LOCATION	L0158733	VOLUME	663037.150	4270279.272	58.68
LOCATION	L0158734	VOLUME	663045.749	4270279.120	58.59
LOCATION	L0158735	VOLUME	663054.347	4270278.968	58.76
LOCATION	L0158736	VOLUME	663062.946	4270278.816	59.32
LOCATION	L0158737	VOLUME	663071.545	4270278.663	59.89
LOCATION	L0158738	VOLUME	663080.143	4270278.511	60.45
LOCATION	L0158739	VOLUME	663088.742	4270278.359	61.01
LOCATION	L0158740	VOLUME	663097.341	4270278.207	61.57
LOCATION	L0158741	VOLUME	663105.939	4270278.055	62.00
LOCATION	L0158742	VOLUME	663114.538	4270277.902	62.38
LOCATION	L0158743	VOLUME	663123.137	4270277.750	62.77
LOCATION	L0158744	VOLUME	663131.735	4270277.598	62.86

LOCATION	L0158745	VOLUME	663140.334	4270277.446	62.94
LOCATION	L0158746	VOLUME	663148.933	4270277.294	62.99
LOCATION	L0158747	VOLUME	663157.531	4270277.142	62.88
LOCATION	L0158748	VOLUME	663166.130	4270276.989	62.77
LOCATION	L0158749	VOLUME	663174.729	4270276.837	62.64
LOCATION	L0158750	VOLUME	663183.327	4270276.685	62.45
LOCATION	L0158751	VOLUME	663191.926	4270276.533	62.25
LOCATION	L0158752	VOLUME	663200.524	4270276.381	62.30
LOCATION	L0158753	VOLUME	663209.123	4270276.228	62.58
LOCATION	L0158754	VOLUME	663217.722	4270276.076	62.86
LOCATION	L0158755	VOLUME	663226.320	4270275.924	63.12
LOCATION	L0158756	VOLUME	663234.919	4270275.772	63.37
LOCATION	L0158757	VOLUME	663243.518	4270275.620	63.63
LOCATION	L0158758	VOLUME	663252.116	4270275.467	63.36
LOCATION	L0158759	VOLUME	663255.898	4270270.372	62.66
LOCATION	L0158760	VOLUME	663256.271	4270261.780	61.70
LOCATION	L0158761	VOLUME	663256.645	4270253.188	60.73
LOCATION	L0158762	VOLUME	663257.018	4270244.597	59.64
LOCATION	L0158763	VOLUME	663257.392	4270236.005	58.33
LOCATION	L0158764	VOLUME	663257.765	4270227.413	57.03
LOCATION	L0158765	VOLUME	663258.139	4270218.821	55.72
LOCATION	L0158766	VOLUME	663258.513	4270210.229	54.63
LOCATION	L0158767	VOLUME	663258.886	4270201.637	53.62
LOCATION	L0158768	VOLUME	663259.260	4270193.045	52.61
LOCATION	L0158769	VOLUME	663259.633	4270184.453	51.76
LOCATION	L0158770	VOLUME	663260.007	4270175.861	51.62
LOCATION	L0158771	VOLUME	663260.380	4270167.270	51.48
LOCATION	L0158772	VOLUME	663260.754	4270158.678	51.35
LOCATION	L0158773	VOLUME	663261.127	4270150.086	51.37
LOCATION	L0158774	VOLUME	663261.501	4270141.494	51.49
LOCATION	L0158775	VOLUME	663261.875	4270132.902	51.61
LOCATION	L0158776	VOLUME	663262.248	4270124.310	51.73
LOCATION	L0158777	VOLUME	663262.622	4270115.718	51.88
LOCATION	L0158778	VOLUME	663262.995	4270107.126	52.04
LOCATION	L0158779	VOLUME	663263.369	4270098.534	52.20
LOCATION	L0158780	VOLUME	663263.742	4270089.943	52.83
LOCATION	L0158781	VOLUME	663264.116	4270081.351	54.07
LOCATION	L0158782	VOLUME	663264.490	4270072.759	55.32
LOCATION	L0158783	VOLUME	663264.863	4270064.167	56.57
LOCATION	L0158784	VOLUME	663265.237	4270055.575	57.23
LOCATION	L0158785	VOLUME	663265.610	4270046.983	57.77
LOCATION	L0158786	VOLUME	663265.984	4270038.391	58.30
LOCATION	L0158787	VOLUME	663266.357	4270029.799	58.65
LOCATION	L0158788	VOLUME	663266.731	4270021.208	58.47
LOCATION	L0158789	VOLUME	663267.104	4270012.616	58.29
LOCATION	L0158790	VOLUME	663267.478	4270004.024	58.11
LOCATION	L0158791	VOLUME	663267.852	4269995.432	57.67
LOCATION	L0158792	VOLUME	663268.225	4269986.840	57.10
LOCATION	L0158793	VOLUME	663268.599	4269978.248	56.53
LOCATION	L0158794	VOLUME	663268.972	4269969.656	55.96

LOCATION	L0158795	VOLUME	663269.346	4269961.064	55.38
LOCATION	L0158796	VOLUME	663269.719	4269952.472	54.81
LOCATION	L0158797	VOLUME	663270.093	4269943.881	54.23
LOCATION	L0158798	VOLUME	663270.466	4269935.289	54.18
LOCATION	L0158799	VOLUME	663270.840	4269926.697	54.65
LOCATION	L0158800	VOLUME	663271.214	4269918.105	55.11
LOCATION	L0158801	VOLUME	663271.587	4269909.513	55.58
LOCATION	L0158802	VOLUME	663271.961	4269900.921	56.24
LOCATION	L0158803	VOLUME	663272.334	4269892.329	56.93
LOCATION	L0158804	VOLUME	663272.708	4269883.737	57.61
LOCATION	L0158805	VOLUME	663273.081	4269875.146	58.21
LOCATION	L0158806	VOLUME	663273.455	4269866.554	58.62
LOCATION	L0158807	VOLUME	663273.829	4269857.962	59.03
LOCATION	L0158808	VOLUME	663274.202	4269849.370	59.44
LOCATION	L0158809	VOLUME	663274.576	4269840.778	59.69
LOCATION	L0158810	VOLUME	663274.949	4269832.186	59.88
LOCATION	L0158811	VOLUME	663275.323	4269823.594	60.07
LOCATION	L0158812	VOLUME	663275.696	4269815.002	60.19
LOCATION	L0158813	VOLUME	663276.070	4269806.410	59.90
LOCATION	L0158814	VOLUME	663276.443	4269797.819	59.63
LOCATION	L0158815	VOLUME	663276.817	4269789.227	59.35
LOCATION	L0158816	VOLUME	663277.191	4269780.635	58.90
LOCATION	L0158817	VOLUME	663277.564	4269772.043	58.31
LOCATION	L0158818	VOLUME	663277.938	4269763.451	57.72
LOCATION	L0158819	VOLUME	663278.311	4269754.859	57.13
LOCATION	L0158820	VOLUME	663278.685	4269746.267	57.10
LOCATION	L0158821	VOLUME	663279.058	4269737.675	57.09
LOCATION	L0158822	VOLUME	663279.432	4269729.084	57.08
LOCATION	L0158823	VOLUME	663279.805	4269720.492	57.24
LOCATION	L0158824	VOLUME	663280.179	4269711.900	57.68
LOCATION	L0158825	VOLUME	663280.553	4269703.308	58.12
LOCATION	L0158826	VOLUME	663280.926	4269694.716	58.56
LOCATION	L0158827	VOLUME	663281.300	4269686.124	59.03
LOCATION	L0158828	VOLUME	663281.673	4269677.532	59.50
LOCATION	L0158829	VOLUME	663282.047	4269668.940	59.97
LOCATION	L0158830	VOLUME	663282.420	4269660.348	60.50
LOCATION	L0158831	VOLUME	663282.794	4269651.757	61.21
LOCATION	L0158832	VOLUME	663283.168	4269643.165	61.92
LOCATION	L0158833	VOLUME	663283.541	4269634.573	62.63
LOCATION	L0158834	VOLUME	663283.915	4269625.981	63.70
LOCATION	L0158835	VOLUME	663284.288	4269617.389	64.97
LOCATION	L0158836	VOLUME	663284.662	4269608.797	66.23
LOCATION	L0158837	VOLUME	663285.035	4269600.205	67.47
LOCATION	L0158838	VOLUME	663285.409	4269591.613	68.41
LOCATION	L0158839	VOLUME	663285.782	4269583.022	69.35
LOCATION	L0158840	VOLUME	663286.156	4269574.430	70.28
LOCATION	L0158841	VOLUME	663286.530	4269565.838	70.90
LOCATION	L0158842	VOLUME	663286.903	4269557.246	71.18
LOCATION	L0158843	VOLUME	663287.277	4269548.654	71.46
LOCATION	L0158844	VOLUME	663287.650	4269540.062	71.74

LOCATION	L0158845	VOLUME	663288.024	4269531.470	71.79
LOCATION	L0158846	VOLUME	663288.397	4269522.878	71.81
LOCATION	L0158847	VOLUME	663291.799	4269517.827	71.62
LOCATION	L0158848	VOLUME	663300.345	4269518.790	71.07
LOCATION	L0158849	VOLUME	663308.891	4269519.753	70.52
LOCATION	L0158850	VOLUME	663317.437	4269520.716	69.88
LOCATION	L0158851	VOLUME	663325.983	4269521.679	69.23
LOCATION	L0158852	VOLUME	663334.529	4269522.642	68.66
LOCATION	L0158853	VOLUME	663343.075	4269523.605	68.40
LOCATION	L0158854	VOLUME	663351.621	4269524.567	68.13
LOCATION	L0158855	VOLUME	663360.167	4269525.530	67.95
LOCATION	L0158856	VOLUME	663368.713	4269526.493	67.90
LOCATION	L0158857	VOLUME	663377.258	4269527.456	67.84
LOCATION	L0158858	VOLUME	663385.804	4269528.419	67.72
LOCATION	L0158859	VOLUME	663394.350	4269529.382	67.55
LOCATION	L0158860	VOLUME	663402.896	4269530.345	67.40
LOCATION	L0158861	VOLUME	663411.442	4269531.308	67.23
LOCATION	L0158862	VOLUME	663419.988	4269532.271	67.06
LOCATION	L0158863	VOLUME	663428.534	4269533.234	66.91
LOCATION	L0158864	VOLUME	663437.080	4269534.197	66.51
LOCATION	L0158865	VOLUME	663445.626	4269535.160	66.10
LOCATION	L0158866	VOLUME	663454.172	4269536.123	65.68
LOCATION	L0158867	VOLUME	663462.718	4269537.085	65.10
LOCATION	L0158868	VOLUME	663471.264	4269538.048	64.52
LOCATION	L0158869	VOLUME	663479.810	4269539.011	63.97
LOCATION	L0158870	VOLUME	663488.355	4269539.974	63.51
LOCATION	L0158871	VOLUME	663496.901	4269540.937	63.05
LOCATION	L0158872	VOLUME	663505.447	4269541.900	62.66
LOCATION	L0158873	VOLUME	663513.993	4269542.863	62.38
LOCATION	L0158874	VOLUME	663522.539	4269543.826	62.10
LOCATION	L0158875	VOLUME	663531.085	4269544.789	62.10
LOCATION	L0158876	VOLUME	663539.631	4269545.752	62.27
LOCATION	L0158877	VOLUME	663548.177	4269546.715	62.43
LOCATION	L0158878	VOLUME	663556.723	4269547.678	62.54
LOCATION	L0158879	VOLUME	663565.269	4269548.641	62.64
LOCATION	L0158880	VOLUME	663573.815	4269549.603	62.74
LOCATION	L0158881	VOLUME	663582.361	4269550.566	62.82
LOCATION	L0158882	VOLUME	663590.907	4269551.529	62.88
LOCATION	L0158883	VOLUME	663599.452	4269552.492	62.95
LOCATION	L0158884	VOLUME	663607.998	4269553.455	62.99
LOCATION	L0158885	VOLUME	663616.544	4269554.418	63.04
LOCATION	L0158886	VOLUME	663625.090	4269555.381	63.08
LOCATION	L0158887	VOLUME	663633.636	4269556.344	63.11
LOCATION	L0158888	VOLUME	663642.182	4269557.307	63.14
LOCATION	L0158889	VOLUME	663650.728	4269558.270	63.16
LOCATION	L0158890	VOLUME	663659.274	4269559.233	63.16
LOCATION	L0158891	VOLUME	663667.820	4269560.196	63.16
LOCATION	L0158892	VOLUME	663676.366	4269561.158	63.16
LOCATION	L0158893	VOLUME	663684.912	4269562.121	63.16
LOCATION	L0158894	VOLUME	663693.458	4269563.084	63.16

LOCATION	L0158895	VOLUME	663702.004	4269564.047	63.27
LOCATION	L0158896	VOLUME	663710.549	4269565.010	63.40
LOCATION	L0158897	VOLUME	663719.095	4269565.973	63.53
LOCATION	L0158898	VOLUME	663727.641	4269566.936	63.51
LOCATION	L0158899	VOLUME	663736.187	4269567.899	63.50
LOCATION	L0158900	VOLUME	663744.733	4269568.862	63.44
LOCATION	L0158901	VOLUME	663753.279	4269569.825	63.18
LOCATION	L0158902	VOLUME	663755.924	4269575.440	62.95
LOCATION	L0158903	VOLUME	663754.866	4269583.974	62.73
LOCATION	L0158904	VOLUME	663753.807	4269592.509	62.52
LOCATION	L0158905	VOLUME	663752.748	4269601.043	62.30
LOCATION	L0158906	VOLUME	663751.690	4269609.578	62.08
LOCATION	L0158907	VOLUME	663750.631	4269618.113	61.89
LOCATION	L0158908	VOLUME	663749.573	4269626.647	61.71
LOCATION	L0158909	VOLUME	663748.514	4269635.182	61.53
LOCATION	L0158910	VOLUME	663747.456	4269643.716	61.37
LOCATION	L0158911	VOLUME	663746.397	4269652.251	61.27
LOCATION	L0158912	VOLUME	663745.339	4269660.786	61.17
LOCATION	L0158913	VOLUME	663744.280	4269669.320	61.06
LOCATION	L0158914	VOLUME	663743.221	4269677.855	61.00
LOCATION	L0158915	VOLUME	663742.163	4269686.389	60.95
LOCATION	L0158916	VOLUME	663741.104	4269694.924	60.90
LOCATION	L0158917	VOLUME	663740.046	4269703.459	60.85
LOCATION	L0158918	VOLUME	663738.987	4269711.993	60.79
LOCATION	L0158919	VOLUME	663737.929	4269720.528	60.73
LOCATION	L0158920	VOLUME	663736.870	4269729.063	60.67
LOCATION	L0158921	VOLUME	663735.812	4269737.597	60.65
LOCATION	L0158922	VOLUME	663734.753	4269746.132	60.66
LOCATION	L0158923	VOLUME	663733.694	4269754.666	60.68
LOCATION	L0158924	VOLUME	663732.636	4269763.201	60.68
LOCATION	L0158925	VOLUME	663731.577	4269771.736	60.66
LOCATION	L0158926	VOLUME	663730.519	4269780.270	60.63
LOCATION	L0158927	VOLUME	663729.460	4269788.805	60.60
LOCATION	L0158928	VOLUME	663728.402	4269797.339	60.61
LOCATION	L0158929	VOLUME	663727.343	4269805.874	60.72
LOCATION	L0158930	VOLUME	663726.285	4269814.409	60.82
LOCATION	L0158931	VOLUME	663725.226	4269822.943	60.92
LOCATION	L0158932	VOLUME	663724.167	4269831.478	61.11
LOCATION	L0158933	VOLUME	663723.109	4269840.012	61.33
LOCATION	L0158934	VOLUME	663722.050	4269848.547	61.55
LOCATION	L0158935	VOLUME	663720.992	4269857.082	61.77
LOCATION	L0158936	VOLUME	663719.933	4269865.616	61.98
LOCATION	L0158937	VOLUME	663718.875	4269874.151	62.18
LOCATION	L0158938	VOLUME	663717.816	4269882.685	62.37
LOCATION	L0158939	VOLUME	663716.758	4269891.220	62.69
LOCATION	L0158940	VOLUME	663715.699	4269899.755	63.12
LOCATION	L0158941	VOLUME	663714.640	4269908.289	63.54
LOCATION	L0158942	VOLUME	663713.582	4269916.824	63.96
LOCATION	L0158943	VOLUME	663712.523	4269925.358	64.75
LOCATION	L0158944	VOLUME	663711.465	4269933.893	65.58



LOCATION	L0158945	VOLUME	663710.406	4269942.428	66.40
LOCATION	L0158946	VOLUME	663709.348	4269950.962	67.26
LOCATION	L0158947	VOLUME	663708.289	4269959.497	68.23
LOCATION	L0158948	VOLUME	663707.231	4269968.031	69.19
LOCATION	L0158949	VOLUME	663706.172	4269976.566	70.15
LOCATION	L0158950	VOLUME	663705.113	4269985.101	70.84
LOCATION	L0158951	VOLUME	663704.055	4269993.635	71.43
LOCATION	L0158952	VOLUME	663702.996	4270002.170	72.03
LOCATION	L0158953	VOLUME	663701.938	4270010.704	72.59
LOCATION	L0158954	VOLUME	663700.879	4270019.239	72.50
LOCATION	L0158955	VOLUME	663699.821	4270027.774	72.44
LOCATION	L0158956	VOLUME	663698.762	4270036.308	72.40
LOCATION	L0158957	VOLUME	663697.704	4270044.843	72.09
LOCATION	L0158958	VOLUME	663696.645	4270053.377	71.48
LOCATION	L0158959	VOLUME	663695.586	4270061.912	70.90
LOCATION	L0158960	VOLUME	663694.528	4270070.447	70.35
LOCATION	L0158961	VOLUME	663693.469	4270078.981	69.92
LOCATION	L0158962	VOLUME	663692.411	4270087.516	69.52
LOCATION	L0158963	VOLUME	663691.352	4270096.050	69.13
LOCATION	L0158964	VOLUME	663690.294	4270104.585	68.79
LOCATION	L0158965	VOLUME	663689.235	4270113.120	68.55
LOCATION	L0158966	VOLUME	663688.177	4270121.654	68.32
LOCATION	L0158967	VOLUME	663687.118	4270130.189	68.08
LOCATION	L0158968	VOLUME	663686.059	4270138.723	67.67
LOCATION	L0158969	VOLUME	663685.001	4270147.258	67.15
LOCATION	L0158970	VOLUME	663683.942	4270155.793	66.60
LOCATION	L0158971	VOLUME	663682.884	4270164.327	66.03
LOCATION	L0158972	VOLUME	663681.825	4270172.862	65.29
LOCATION	L0158973	VOLUME	663680.767	4270181.397	64.52
LOCATION	L0158974	VOLUME	663679.708	4270189.931	63.72
LOCATION	L0158975	VOLUME	663678.650	4270198.466	63.21
LOCATION	L0158976	VOLUME	663677.591	4270207.000	63.11
LOCATION	L0158977	VOLUME	663676.532	4270215.535	63.01
LOCATION	L0158978	VOLUME	663675.474	4270224.070	62.91
LOCATION	L0158979	VOLUME	663674.415	4270232.604	63.51
LOCATION	L0158980	VOLUME	663673.357	4270241.139	64.23
LOCATION	L0158981	VOLUME	663672.298	4270249.673	64.94
LOCATION	L0158982	VOLUME	663671.240	4270258.208	65.73
LOCATION	L0158983	VOLUME	663670.181	4270266.743	66.77
LOCATION	L0158984	VOLUME	663669.123	4270275.277	67.79
LOCATION	L0158985	VOLUME	663668.064	4270283.812	68.80
LOCATION	L0158986	VOLUME	663667.005	4270292.346	69.37
LOCATION	L0158987	VOLUME	663665.947	4270300.881	69.69
LOCATION	L0158988	VOLUME	663664.888	4270309.416	69.99
LOCATION	L0158989	VOLUME	663663.830	4270317.950	70.27
LOCATION	L0158990	VOLUME	663662.771	4270326.485	70.26
LOCATION	L0158991	VOLUME	663661.713	4270335.019	70.26
LOCATION	L0158992	VOLUME	663660.654	4270343.554	70.27
LOCATION	L0158993	VOLUME	663659.596	4270352.089	70.55
LOCATION	L0158994	VOLUME	663658.537	4270360.623	71.17

LOCATION	L0158995	VOLUME	663657.478	4270369.158	71.78
LOCATION	L0158996	VOLUME	663656.420	4270377.692	72.39
LOCATION	L0158997	VOLUME	663655.361	4270386.227	72.78
LOCATION	L0158998	VOLUME	663654.303	4270394.762	73.12
LOCATION	L0158999	VOLUME	663653.244	4270403.296	73.44
LOCATION	L0159000	VOLUME	663652.186	4270411.831	73.60
LOCATION	L0159001	VOLUME	663651.127	4270420.365	73.21
LOCATION	L0159002	VOLUME	663642.571	4270420.876	72.38
LOCATION	L0159003	VOLUME	663633.985	4270421.353	71.57
LOCATION	L0159004	VOLUME	663625.398	4270421.830	70.80
LOCATION	L0159005	VOLUME	663616.811	4270422.307	70.10
LOCATION	L0159006	VOLUME	663608.224	4270422.784	69.41
LOCATION	L0159007	VOLUME	663599.637	4270423.261	68.36
LOCATION	L0159008	VOLUME	663591.051	4270423.738	67.07
LOCATION	L0159009	VOLUME	663582.464	4270424.215	65.77
LOCATION	L0159010	VOLUME	663573.877	4270424.692	64.30
LOCATION	L0159011	VOLUME	663565.290	4270425.169	62.76
LOCATION	L0159012	VOLUME	663556.704	4270425.646	61.22
LOCATION	L0159013	VOLUME	663548.117	4270426.123	60.83
LOCATION	L0159014	VOLUME	663539.530	4270426.600	60.49
LOCATION	L0159015	VOLUME	663530.943	4270427.077	60.20
LOCATION	L0159016	VOLUME	663522.357	4270427.554	60.60
LOCATION	L0159017	VOLUME	663513.770	4270428.031	60.99
LOCATION	L0159018	VOLUME	663505.183	4270428.508	61.04
LOCATION	L0159019	VOLUME	663496.596	4270428.985	60.27
LOCATION	L0159020	VOLUME	663488.010	4270429.462	59.48
LOCATION	L0159021	VOLUME	663479.423	4270429.939	58.31
LOCATION	L0159022	VOLUME	663470.836	4270430.416	56.72
LOCATION	L0159023	VOLUME	663462.249	4270430.893	55.13
LOCATION	L0159024	VOLUME	663453.663	4270431.370	54.22
LOCATION	L0159025	VOLUME	663445.076	4270431.848	53.71
LOCATION	L0159026	VOLUME	663436.489	4270432.325	53.23
LOCATION	L0159027	VOLUME	663427.902	4270432.802	53.25
LOCATION	L0159028	VOLUME	663419.316	4270433.279	53.38
LOCATION	L0159029	VOLUME	663413.551	4270436.699	53.59
LOCATION	L0159030	VOLUME	663412.713	4270445.259	54.39
LOCATION	L0159031	VOLUME	663411.875	4270453.818	55.22
LOCATION	L0159032	VOLUME	663411.036	4270462.377	56.08
LOCATION	L0159033	VOLUME	663410.198	4270470.936	57.13
LOCATION	L0159034	VOLUME	663409.360	4270479.495	58.35
LOCATION	L0159035	VOLUME	663408.522	4270488.054	59.59
LOCATION	L0159036	VOLUME	663407.683	4270496.613	60.83
LOCATION	L0159037	VOLUME	663406.845	4270505.172	61.69
LOCATION	L0159038	VOLUME	663406.007	4270513.731	62.52
LOCATION	L0159039	VOLUME	663405.169	4270522.290	63.36
LOCATION	L0159040	VOLUME	663404.330	4270530.849	63.94
LOCATION	L0159041	VOLUME	663403.492	4270539.408	63.91
LOCATION	L0159042	VOLUME	663402.654	4270547.967	63.89
LOCATION	L0159043	VOLUME	663401.815	4270556.526	63.88
LOCATION	L0159044	VOLUME	663400.977	4270565.085	63.50

LOCATION	L0159045	VOLUME	663400.139	4270573.644	62.98
LOCATION	L0159046	VOLUME	663399.301	4270582.203	62.48
LOCATION	L0159047	VOLUME	663398.462	4270590.762	62.01
LOCATION	L0159048	VOLUME	663397.624	4270599.321	61.65
LOCATION	L0159049	VOLUME	663396.786	4270607.880	61.29
LOCATION	L0159050	VOLUME	663395.948	4270616.440	60.95
LOCATION	L0159051	VOLUME	663395.109	4270624.999	60.63
LOCATION	L0159052	VOLUME	663394.271	4270633.558	60.31
LOCATION	L0159053	VOLUME	663393.433	4270642.117	59.97
LOCATION	L0159054	VOLUME	663392.595	4270650.676	59.60
LOCATION	L0159055	VOLUME	663391.756	4270659.235	59.40
LOCATION	L0159056	VOLUME	663390.918	4270667.794	59.19
LOCATION	L0159057	VOLUME	663390.080	4270676.353	58.97
LOCATION	L0159058	VOLUME	663389.242	4270684.912	58.75
LOCATION	L0159059	VOLUME	663388.403	4270693.471	58.60
LOCATION	L0159060	VOLUME	663387.565	4270702.030	58.45
LOCATION	L0159061	VOLUME	663386.727	4270710.589	58.30
LOCATION	L0159062	VOLUME	663385.889	4270719.148	57.91
LOCATION	L0159063	VOLUME	663385.050	4270727.707	57.43
LOCATION	L0159064	VOLUME	663384.212	4270736.266	56.94
LOCATION	L0159065	VOLUME	663383.374	4270744.825	56.45
LOCATION	L0159066	VOLUME	663382.536	4270753.384	55.99
LOCATION	L0159067	VOLUME	663381.697	4270761.943	55.49
LOCATION	L0159068	VOLUME	663380.859	4270770.502	54.95
LOCATION	L0159069	VOLUME	663380.021	4270779.061	54.89
LOCATION	L0159070	VOLUME	663379.183	4270787.620	55.28
LOCATION	L0159071	VOLUME	663378.344	4270796.180	55.66
LOCATION	L0159072	VOLUME	663377.506	4270804.739	56.00
LOCATION	L0159073	VOLUME	663376.668	4270813.298	56.90
LOCATION	L0159074	VOLUME	663375.829	4270821.857	57.82
LOCATION	L0159075	VOLUME	663374.991	4270830.416	58.70
LOCATION	L0159076	VOLUME	663374.153	4270838.975	59.55
LOCATION	L0159077	VOLUME	663373.315	4270847.534	60.33
LOCATION	L0159078	VOLUME	663372.476	4270856.093	61.08
LOCATION	L0159079	VOLUME	663371.638	4270864.652	61.81
LOCATION	L0159080	VOLUME	663370.800	4270873.211	61.66
LOCATION	L0159081	VOLUME	663369.962	4270881.770	61.22
LOCATION	L0159082	VOLUME	663369.123	4270890.329	60.77
LOCATION	L0159083	VOLUME	663368.285	4270898.888	60.23
LOCATION	L0159084	VOLUME	663367.447	4270907.447	59.13
LOCATION	L0159085	VOLUME	663366.609	4270916.006	58.08
LOCATION	L0159086	VOLUME	663365.770	4270924.565	57.08
LOCATION	L0159087	VOLUME	663364.932	4270933.124	56.51
LOCATION	L0159088	VOLUME	663364.094	4270941.683	56.26
LOCATION	L0159089	VOLUME	663363.256	4270950.242	56.03
LOCATION	L0159090	VOLUME	663362.417	4270958.801	55.82
LOCATION	L0159091	VOLUME	663361.579	4270967.361	55.92
LOCATION	L0159092	VOLUME	663360.741	4270975.920	56.04
LOCATION	L0159093	VOLUME	663359.903	4270984.479	56.18
LOCATION	L0159094	VOLUME	663359.064	4270993.038	56.57

LOCATION	L0159095	VOLUME	663358.226	4271001.597	57.36
LOCATION	L0159096	VOLUME	663357.388	4271010.156	58.17
LOCATION	L0159097	VOLUME	663356.550	4271018.715	59.01
LOCATION	L0159098	VOLUME	663355.711	4271027.274	59.74
LOCATION	L0159099	VOLUME	663354.873	4271035.833	60.42
LOCATION	L0159100	VOLUME	663354.035	4271044.392	61.09
LOCATION	L0159101	VOLUME	663353.197	4271052.951	61.75
LOCATION	L0159102	VOLUME	663352.358	4271061.510	62.37
LOCATION	L0159103	VOLUME	663351.520	4271070.069	62.97
LOCATION	L0159104	VOLUME	663350.682	4271078.628	63.55
LOCATION	L0159105	VOLUME	663349.844	4271087.187	64.29
LOCATION	L0159106	VOLUME	663349.005	4271095.746	65.19
LOCATION	L0159107	VOLUME	663348.167	4271104.305	66.10
LOCATION	L0159108	VOLUME	663347.329	4271112.864	67.02
LOCATION	L0159109	VOLUME	663346.490	4271121.423	67.56
LOCATION	L0159110	VOLUME	663345.652	4271129.982	68.11
LOCATION	L0159111	VOLUME	663344.814	4271138.542	68.69
LOCATION	L0159112	VOLUME	663343.976	4271147.101	69.05
LOCATION	L0159113	VOLUME	663343.137	4271155.660	69.04
LOCATION	L0159114	VOLUME	663342.299	4271164.219	69.02
LOCATION	L0159115	VOLUME	663341.461	4271172.778	68.99
LOCATION	L0159116	VOLUME	663340.623	4271181.337	68.59
LOCATION	L0159117	VOLUME	663339.784	4271189.896	68.09
LOCATION	L0159118	VOLUME	663338.946	4271198.455	67.57
LOCATION	L0159119	VOLUME	663338.108	4271207.014	67.16
LOCATION	L0159120	VOLUME	663337.270	4271215.573	67.25
LOCATION	L0159121	VOLUME	663336.431	4271224.132	67.34
LOCATION	L0159122	VOLUME	663335.593	4271232.691	67.41
LOCATION	L0159123	VOLUME	663334.755	4271241.250	67.29
LOCATION	L0159124	VOLUME	663333.917	4271249.809	67.05
LOCATION	L0159125	VOLUME	663333.078	4271258.368	66.80
LOCATION	L0159126	VOLUME	663332.240	4271266.927	66.56
LOCATION	L0159127	VOLUME	663331.402	4271275.486	65.35
LOCATION	L0159128	VOLUME	663330.564	4271284.045	64.14
LOCATION	L0159129	VOLUME	663329.725	4271292.604	62.93
LOCATION	L0159130	VOLUME	663328.887	4271301.163	62.04
LOCATION	L0159131	VOLUME	663328.049	4271309.722	61.65
LOCATION	L0159132	VOLUME	663327.211	4271318.282	61.26
LOCATION	L0159133	VOLUME	663326.372	4271326.841	60.86
LOCATION	L0159134	VOLUME	663325.534	4271335.400	60.91
LOCATION	L0159135	VOLUME	663324.696	4271343.959	61.06
LOCATION	L0159136	VOLUME	663323.858	4271352.518	61.20
LOCATION	L0159137	VOLUME	663323.019	4271361.077	61.31
LOCATION	L0159138	VOLUME	663322.181	4271369.636	61.31
LOCATION	L0159139	VOLUME	663321.343	4271378.195	61.31
LOCATION	L0159140	VOLUME	663320.505	4271386.754	61.32
LOCATION	L0159141	VOLUME	663319.666	4271395.313	61.56
LOCATION	L0159142	VOLUME	663318.828	4271403.872	61.96
LOCATION	L0159143	VOLUME	663317.990	4271412.431	62.37
LOCATION	L0159144	VOLUME	663317.151	4271420.990	62.82

LOCATION	L0159145	VOLUME	663316.313	4271429.549	63.99
LOCATION	L0159146	VOLUME	663315.475	4271438.108	65.15
LOCATION	L0159147	VOLUME	663314.637	4271446.667	66.29
LOCATION	L0159148	VOLUME	663313.798	4271455.226	67.13
LOCATION	L0159149	VOLUME	663312.960	4271463.785	67.54
LOCATION	L0159150	VOLUME	663312.122	4271472.344	67.93
LOCATION	L0159151	VOLUME	663311.284	4271480.903	68.30
LOCATION	L0159152	VOLUME	663310.445	4271489.463	67.83
LOCATION	L0159153	VOLUME	663309.607	4271498.022	67.18
LOCATION	L0159154	VOLUME	663308.769	4271506.581	66.53
LOCATION	L0159155	VOLUME	663307.931	4271515.140	65.87
LOCATION	L0159156	VOLUME	663307.092	4271523.699	65.22
LOCATION	L0159157	VOLUME	663306.254	4271532.258	64.58
LOCATION	L0159158	VOLUME	663305.416	4271540.817	63.96
LOCATION	L0159159	VOLUME	663304.578	4271549.376	63.75
LOCATION	L0159160	VOLUME	663303.739	4271557.935	63.77
LOCATION	L0159161	VOLUME	663302.901	4271566.494	63.80
LOCATION	L0159162	VOLUME	663302.063	4271575.053	63.88
LOCATION	L0159163	VOLUME	663301.225	4271583.612	65.29
LOCATION	L0159164	VOLUME	663300.386	4271592.171	66.68
LOCATION	L0159165	VOLUME	663299.548	4271600.730	68.06
LOCATION	L0159166	VOLUME	663298.710	4271609.289	69.47
LOCATION	L0159167	VOLUME	663297.872	4271617.848	70.97
LOCATION	L0159168	VOLUME	663297.033	4271626.407	72.52
LOCATION	L0159169	VOLUME	663296.195	4271634.966	74.11
LOCATION	L0159170	VOLUME	663295.357	4271643.525	74.68
LOCATION	L0159171	VOLUME	663294.519	4271652.084	75.08
LOCATION	L0159172	VOLUME	663293.680	4271660.644	75.49
LOCATION	L0159173	VOLUME	663292.842	4271669.203	75.93
LOCATION	L0159174	VOLUME	663292.004	4271677.762	76.39
LOCATION	L0159175	VOLUME	663291.165	4271686.321	76.84
LOCATION	L0159176	VOLUME	663290.327	4271694.880	77.27
LOCATION	L0159177	VOLUME	663289.489	4271703.439	76.99
LOCATION	L0159178	VOLUME	663288.651	4271711.998	76.35
LOCATION	L0159179	VOLUME	663280.223	4271711.929	76.67
LOCATION	L0159180	VOLUME	663271.627	4271711.669	77.02
LOCATION	L0159181	VOLUME	663263.031	4271711.408	77.35
LOCATION	L0159182	VOLUME	663254.435	4271711.148	77.43
LOCATION	L0159183	VOLUME	663245.839	4271710.887	77.51
LOCATION	L0159184	VOLUME	663237.243	4271710.627	77.49
LOCATION	L0159185	VOLUME	663228.647	4271710.366	77.19
LOCATION	L0159186	VOLUME	663220.051	4271710.106	76.89
LOCATION	L0159187	VOLUME	663211.455	4271709.845	76.41
LOCATION	L0159188	VOLUME	663202.859	4271709.585	75.73
LOCATION	L0159189	VOLUME	663194.263	4271709.324	75.04
LOCATION	L0159190	VOLUME	663185.667	4271709.064	74.59
LOCATION	L0159191	VOLUME	663177.071	4271708.803	74.29
LOCATION	L0159192	VOLUME	663168.475	4271708.543	73.98
LOCATION	L0159193	VOLUME	663159.879	4271708.282	73.72
LOCATION	L0159194	VOLUME	663151.283	4271708.022	73.46

LOCATION	L0159195	VOLUME	663142.686	4271707.761	73.20
LOCATION	L0159196	VOLUME	663134.090	4271707.501	73.06
LOCATION	L0159197	VOLUME	663125.494	4271707.240	72.92
LOCATION	L0159198	VOLUME	663116.898	4271706.980	72.86
LOCATION	L0159199	VOLUME	663108.302	4271706.719	73.18
LOCATION	L0159200	VOLUME	663099.706	4271706.459	73.49
LOCATION	L0159201	VOLUME	663091.110	4271706.198	73.68
LOCATION	L0159202	VOLUME	663082.514	4271705.938	73.66
LOCATION	L0159203	VOLUME	663073.918	4271705.677	73.64
LOCATION	L0159204	VOLUME	663069.175	4271711.071	74.26
LOCATION	L0159205	VOLUME	663066.272	4271719.166	75.03
LOCATION	L0159206	VOLUME	663063.370	4271727.262	75.32
LOCATION	L0159207	VOLUME	663060.468	4271735.357	75.03
LOCATION	L0159208	VOLUME	663057.566	4271743.453	74.75
LOCATION	L0159209	VOLUME	663054.664	4271751.548	74.47
LOCATION	L0159210	VOLUME	663051.762	4271759.644	73.86
LOCATION	L0159211	VOLUME	663048.859	4271767.739	73.07
LOCATION	L0159212	VOLUME	663045.957	4271775.835	72.33
LOCATION	L0159213	VOLUME	663043.055	4271783.931	71.67
LOCATION	L0159214	VOLUME	663040.153	4271792.026	71.29
LOCATION	L0159215	VOLUME	663037.251	4271800.122	70.96
LOCATION	L0159216	VOLUME	663034.349	4271808.217	70.61
LOCATION	L0159217	VOLUME	663031.446	4271816.313	70.25
LOCATION	L0159218	VOLUME	663028.544	4271824.408	69.96
LOCATION	L0159219	VOLUME	663025.642	4271832.504	69.64
LOCATION	L0159220	VOLUME	663022.740	4271840.599	69.31
LOCATION	L0159221	VOLUME	663019.838	4271848.695	68.98
LOCATION	L0159222	VOLUME	663016.936	4271856.790	68.76
LOCATION	L0159223	VOLUME	663014.033	4271864.886	68.52
LOCATION	L0159224	VOLUME	663011.131	4271872.981	68.26
LOCATION	L0159225	VOLUME	663008.229	4271881.077	68.11
LOCATION	L0159226	VOLUME	663005.327	4271889.172	68.10
LOCATION	L0159227	VOLUME	663002.425	4271897.268	68.08
LOCATION	L0159228	VOLUME	662999.523	4271905.363	68.05
LOCATION	L0159229	VOLUME	662996.620	4271913.459	67.83
LOCATION	L0159230	VOLUME	662993.718	4271921.554	67.53
LOCATION	L0159231	VOLUME	662990.816	4271929.650	67.25
LOCATION	L0159232	VOLUME	662987.914	4271937.745	67.01
LOCATION	L0159233	VOLUME	662985.012	4271945.841	66.40
LOCATION	L0159234	VOLUME	662982.110	4271953.936	65.74
LOCATION	L0159235	VOLUME	662979.207	4271962.032	65.08
LOCATION	L0159236	VOLUME	662976.305	4271970.127	64.42
LOCATION	L0159237	VOLUME	662973.403	4271978.223	63.85
LOCATION	L0159238	VOLUME	662970.501	4271986.319	63.27
LOCATION	L0159239	VOLUME	662967.599	4271994.414	62.69
LOCATION	L0159240	VOLUME	662964.697	4272002.510	62.27
LOCATION	L0159241	VOLUME	662961.794	4272010.605	62.05
LOCATION	L0159242	VOLUME	662958.892	4272018.701	61.84
LOCATION	L0159243	VOLUME	662955.990	4272026.796	61.63
LOCATION	L0159244	VOLUME	662953.088	4272034.892	61.51

LOCATION	L0159245	VOLUME	662950.186	4272042.987	61.45
LOCATION	L0159246	VOLUME	662947.284	4272051.083	61.41
LOCATION	L0159247	VOLUME	662941.372	4272054.902	61.37
LOCATION	L0159248	VOLUME	662932.772	4272054.902	61.34
LOCATION	L0159249	VOLUME	662924.172	4272054.902	61.30
LOCATION	L0159250	VOLUME	662915.572	4272054.902	61.27
LOCATION	L0159251	VOLUME	662906.972	4272054.902	61.25
LOCATION	L0159252	VOLUME	662898.372	4272054.902	61.23
LOCATION	L0159253	VOLUME	662889.772	4272054.902	61.23
LOCATION	L0159254	VOLUME	662881.172	4272054.902	61.26
LOCATION	L0159255	VOLUME	662872.572	4272054.902	61.29
LOCATION	L0159256	VOLUME	662863.972	4272054.902	61.31
LOCATION	L0159257	VOLUME	662855.372	4272054.902	61.33
LOCATION	L0159258	VOLUME	662846.772	4272054.902	61.34
LOCATION	L0159259	VOLUME	662838.172	4272054.902	61.36
LOCATION	L0159260	VOLUME	662829.572	4272054.902	61.37
LOCATION	L0159261	VOLUME	662820.972	4272054.902	61.39
LOCATION	L0159262	VOLUME	662812.372	4272054.902	61.41
LOCATION	L0159263	VOLUME	662803.772	4272054.902	61.44
LOCATION	L0159264	VOLUME	662795.172	4272054.902	61.45
LOCATION	L0159265	VOLUME	662786.572	4272054.902	61.41
LOCATION	L0159266	VOLUME	662777.972	4272054.902	61.37
LOCATION	L0159267	VOLUME	662769.372	4272054.902	61.35
LOCATION	L0159268	VOLUME	662760.772	4272054.902	61.35
LOCATION	L0159269	VOLUME	662752.172	4272054.902	61.35
LOCATION	L0159270	VOLUME	662743.572	4272054.902	61.35
LOCATION	L0159271	VOLUME	662734.972	4272054.902	61.36
LOCATION	L0159272	VOLUME	662726.372	4272054.902	61.36
LOCATION	L0159273	VOLUME	662717.772	4272054.902	61.35
LOCATION	L0159274	VOLUME	662709.172	4272054.902	61.34
LOCATION	L0159275	VOLUME	662700.572	4272054.902	61.32
LOCATION	L0159276	VOLUME	662691.972	4272054.902	61.29
LOCATION	L0159277	VOLUME	662683.372	4272054.902	61.25
LOCATION	L0159278	VOLUME	662674.772	4272054.902	61.21
LOCATION	L0159279	VOLUME	662666.172	4272054.902	61.06
LOCATION	L0159280	VOLUME	662657.572	4272054.902	60.92
LOCATION	L0159281	VOLUME	662648.972	4272054.902	60.78
LOCATION	L0159282	VOLUME	662640.372	4272054.902	60.69
LOCATION	L0159283	VOLUME	662631.772	4272054.902	60.60
LOCATION	L0159284	VOLUME	662628.162	4272061.135	60.67
LOCATION	L0159285	VOLUME	662626.281	4272069.527	60.82
LOCATION	L0159286	VOLUME	662624.400	4272077.918	60.98
LOCATION	L0159287	VOLUME	662622.520	4272086.310	61.12
LOCATION	L0159288	VOLUME	662620.639	4272094.702	61.18
LOCATION	L0159289	VOLUME	662618.758	4272103.094	61.24
LOCATION	L0159290	VOLUME	662616.877	4272111.486	61.31
LOCATION	L0159291	VOLUME	662614.996	4272119.877	61.37
LOCATION	L0159292	VOLUME	662613.115	4272128.269	61.39
LOCATION	L0159293	VOLUME	662611.234	4272136.661	61.42
LOCATION	L0159294	VOLUME	662609.353	4272145.053	61.45

LOCATION	L0159295	VOLUME	662607.472	4272153.445	61.48
LOCATION	L0159296	VOLUME	662605.591	4272161.836	61.50
LOCATION	L0159297	VOLUME	662603.710	4272170.228	61.53
LOCATION	L0159298	VOLUME	662601.829	4272178.620	61.56
LOCATION	L0159299	VOLUME	662599.949	4272187.012	61.59
LOCATION	L0159300	VOLUME	662598.068	4272195.404	61.61
LOCATION	L0159301	VOLUME	662596.187	4272203.795	61.60
LOCATION	L0159302	VOLUME	662594.306	4272212.187	61.60
LOCATION	L0159303	VOLUME	662592.425	4272220.579	61.62
LOCATION	L0159304	VOLUME	662590.544	4272228.971	61.64
LOCATION	L0159305	VOLUME	662588.663	4272237.362	61.66
LOCATION	L0159306	VOLUME	662586.782	4272245.754	61.71
LOCATION	L0159307	VOLUME	662584.901	4272254.146	61.78
LOCATION	L0159308	VOLUME	662583.020	4272262.538	61.85
LOCATION	L0159309	VOLUME	662581.139	4272270.930	61.94
LOCATION	L0159310	VOLUME	662579.258	4272279.321	61.97
LOCATION	L0159311	VOLUME	662577.377	4272287.713	62.00
LOCATION	L0159312	VOLUME	662575.497	4272296.105	62.03
LOCATION	L0159313	VOLUME	662573.616	4272304.497	62.13
LOCATION	L0159314	VOLUME	662571.735	4272312.889	62.28
LOCATION	L0159315	VOLUME	662569.854	4272321.280	62.42
LOCATION	L0159316	VOLUME	662567.973	4272329.672	62.56
LOCATION	L0159317	VOLUME	662566.092	4272338.064	63.12
LOCATION	L0159318	VOLUME	662564.211	4272346.456	63.73
LOCATION	L0159319	VOLUME	662562.330	4272354.848	64.35
LOCATION	L0159320	VOLUME	662560.449	4272363.239	65.05
LOCATION	L0159321	VOLUME	662558.568	4272371.631	66.09
LOCATION	L0159322	VOLUME	662556.687	4272380.023	67.11
LOCATION	L0159323	VOLUME	662554.806	4272388.415	68.10
LOCATION	L0159324	VOLUME	662552.926	4272396.806	69.36
LOCATION	L0159325	VOLUME	662551.045	4272405.198	70.82
LOCATION	L0159326	VOLUME	662549.164	4272413.590	72.24
LOCATION	L0159327	VOLUME	662547.283	4272421.982	73.62
LOCATION	L0159328	VOLUME	662545.402	4272430.374	74.23
LOCATION	L0159329	VOLUME	662542.241	4272437.081	74.11
LOCATION	L0159330	VOLUME	662533.652	4272436.644	71.61
LOCATION	L0159331	VOLUME	662525.063	4272436.208	69.12
LOCATION	L0159332	VOLUME	662516.474	4272435.771	67.18
LOCATION	L0159333	VOLUME	662507.886	4272435.334	65.46
LOCATION	L0159334	VOLUME	662499.297	4272434.897	63.73
LOCATION	L0159335	VOLUME	662490.708	4272434.461	63.22
LOCATION	L0159336	VOLUME	662482.119	4272434.024	62.84
LOCATION	L0159337	VOLUME	662473.530	4272433.587	62.50
LOCATION	L0159338	VOLUME	662464.941	4272433.151	62.54
LOCATION	L0159339	VOLUME	662456.352	4272432.714	62.58
LOCATION	L0159340	VOLUME	662447.763	4272432.277	62.64
LOCATION	L0159341	VOLUME	662439.174	4272431.840	62.74
LOCATION	L0159342	VOLUME	662430.585	4272431.404	62.84
LOCATION	L0159343	VOLUME	662421.996	4272430.967	62.84
LOCATION	L0159344	VOLUME	662413.408	4272430.530	62.73



LOCATION	L0159345	VOLUME	662404.819	4272430.093	62.61
LOCATION	L0159346	VOLUME	662396.230	4272429.657	62.55
LOCATION	L0159347	VOLUME	662387.641	4272429.220	62.51
LOCATION	L0159348	VOLUME	662379.052	4272428.783	62.46
LOCATION	L0159349	VOLUME	662370.463	4272428.347	62.47
LOCATION	L0159350	VOLUME	662361.874	4272427.910	62.50
LOCATION	L0159351	VOLUME	662353.285	4272427.473	62.53
LOCATION	L0159352	VOLUME	662344.696	4272427.036	64.15
LOCATION	L0159353	VOLUME	662336.107	4272426.600	65.79
LOCATION	L0159354	VOLUME	662327.519	4272426.163	67.39
LOCATION	L0159355	VOLUME	662318.930	4272425.726	68.75
LOCATION	L0159356	VOLUME	662310.341	4272425.290	70.12
LOCATION	L0159357	VOLUME	662301.752	4272424.853	71.06
LOCATION	L0159358	VOLUME	662293.163	4272424.416	71.26
LOCATION	L0159359	VOLUME	662284.574	4272423.979	71.47
LOCATION	L0159360	VOLUME	662275.985	4272423.543	71.51
LOCATION	L0159361	VOLUME	662267.396	4272423.106	71.40
LOCATION	L0159362	VOLUME	662258.807	4272422.669	71.30
LOCATION	L0159363	VOLUME	662250.218	4272422.232	71.09
LOCATION	L0159364	VOLUME	662241.629	4272421.796	70.86
LOCATION	L0159365	VOLUME	662233.041	4272421.359	70.61
LOCATION	L0159366	VOLUME	662224.452	4272420.922	70.29
LOCATION	L0159367	VOLUME	662215.863	4272420.486	69.95
LOCATION	L0159368	VOLUME	662207.274	4272420.049	69.60
LOCATION	L0159369	VOLUME	662198.685	4272419.612	69.09
LOCATION	L0159370	VOLUME	662190.096	4272419.175	68.58
LOCATION	L0159371	VOLUME	662181.507	4272418.739	68.03
LOCATION	L0159372	VOLUME	662172.918	4272418.302	67.43
LOCATION	L0159373	VOLUME	662164.329	4272417.865	66.82
LOCATION	L0159374	VOLUME	662155.740	4272417.428	66.30
LOCATION	L0159375	VOLUME	662155.490	4272409.521	66.86
LOCATION	L0159376	VOLUME	662155.995	4272400.935	67.64
LOCATION	L0159377	VOLUME	662156.500	4272392.350	68.42
LOCATION	L0159378	VOLUME	662157.005	4272383.765	69.21
LOCATION	L0159379	VOLUME	662157.510	4272375.180	70.20
LOCATION	L0159380	VOLUME	662158.015	4272366.595	71.20
LOCATION	L0159381	VOLUME	662158.520	4272358.010	72.21
LOCATION	L0159382	VOLUME	662159.025	4272349.424	73.43
LOCATION	L0159383	VOLUME	662159.530	4272340.839	74.94
LOCATION	L0159384	VOLUME	662160.035	4272332.254	76.45
LOCATION	L0159385	VOLUME	662160.540	4272323.669	77.97
LOCATION	L0159386	VOLUME	662161.045	4272315.084	79.89
LOCATION	L0159387	VOLUME	662161.550	4272306.499	81.88
LOCATION	L0159388	VOLUME	662162.055	4272297.913	83.88
LOCATION	L0159389	VOLUME	662162.560	4272289.328	85.77
LOCATION	L0159390	VOLUME	662163.065	4272280.743	87.31
LOCATION	L0159391	VOLUME	662163.570	4272272.158	88.83
LOCATION	L0159392	VOLUME	662164.075	4272263.573	90.33
LOCATION	L0159393	VOLUME	662164.580	4272254.988	91.00
LOCATION	L0159394	VOLUME	662165.085	4272246.402	91.28

LOCATION	L0159395	VOLUME	662165.590	4272237.817	91.54
LOCATION	L0159396	VOLUME	662166.095	4272229.232	91.76
LOCATION	L0159397	VOLUME	662166.600	4272220.647	91.79
LOCATION	L0159398	VOLUME	662167.105	4272212.062	91.83
LOCATION	L0159399	VOLUME	662167.610	4272203.477	91.86
LOCATION	L0159400	VOLUME	662168.115	4272194.892	91.90
LOCATION	L0159401	VOLUME	662168.620	4272186.306	91.95
LOCATION	L0159402	VOLUME	662169.125	4272177.721	92.00
LOCATION	L0159403	VOLUME	662169.630	4272169.136	92.05
LOCATION	L0159404	VOLUME	662170.135	4272160.551	91.65
LOCATION	L0159405	VOLUME	662170.640	4272151.966	91.20
LOCATION	L0159406	VOLUME	662171.145	4272143.381	90.74
LOCATION	L0159407	VOLUME	662171.650	4272134.795	90.13
LOCATION	L0159408	VOLUME	662172.155	4272126.210	89.21
LOCATION	L0159409	VOLUME	662172.660	4272117.625	88.29
LOCATION	L0159410	VOLUME	662173.165	4272109.040	87.37
LOCATION	L0159411	VOLUME	662173.670	4272100.455	86.33
LOCATION	L0159412	VOLUME	662174.175	4272091.870	85.26
LOCATION	L0159413	VOLUME	662174.680	4272083.284	84.20
LOCATION	L0159414	VOLUME	662175.185	4272074.699	83.21
LOCATION	L0159415	VOLUME	662175.690	4272066.114	82.59
LOCATION	L0159416	VOLUME	662176.195	4272057.529	81.97
LOCATION	L0159417	VOLUME	662176.700	4272048.944	81.36
LOCATION	L0159418	VOLUME	662177.205	4272040.359	81.06
LOCATION	L0159419	VOLUME	662177.710	4272031.773	81.00
LOCATION	L0159420	VOLUME	662178.215	4272023.188	80.96
LOCATION	L0159421	VOLUME	662178.720	4272014.603	80.94
LOCATION	L0159422	VOLUME	662179.225	4272006.018	81.38
LOCATION	L0159423	VOLUME	662179.730	4271997.433	81.85
LOCATION	L0159424	VOLUME	662180.235	4271988.848	82.34
LOCATION	L0159425	VOLUME	662180.740	4271980.263	82.55
LOCATION	L0159426	VOLUME	662181.245	4271971.677	82.30
LOCATION	L0159427	VOLUME	662187.530	4271969.222	82.93
LOCATION	L0159428	VOLUME	662196.130	4271969.222	83.53
LOCATION	L0159429	VOLUME	662204.730	4271969.222	83.38
LOCATION	L0159430	VOLUME	662213.330	4271969.222	83.24
LOCATION	L0159431	VOLUME	662221.930	4271969.222	82.57
LOCATION	L0159432	VOLUME	662230.530	4271969.222	81.42
LOCATION	L0159433	VOLUME	662239.130	4271969.222	80.27
LOCATION	L0159434	VOLUME	662247.730	4271969.222	78.54
LOCATION	L0159435	VOLUME	662256.330	4271969.222	76.58
LOCATION	L0159436	VOLUME	662264.930	4271969.222	74.60
LOCATION	L0159437	VOLUME	662273.530	4271969.222	73.29
LOCATION	L0159438	VOLUME	662282.130	4271969.222	72.06
LOCATION	L0159439	VOLUME	662290.730	4271969.222	70.86
LOCATION	L0159440	VOLUME	662299.330	4271969.222	70.27
LOCATION	L0159441	VOLUME	662307.930	4271969.222	69.68
LOCATION	L0159442	VOLUME	662316.530	4271969.222	69.09
LOCATION	L0159443	VOLUME	662325.130	4271969.222	68.52
LOCATION	L0159444	VOLUME	662333.730	4271969.222	67.95

LOCATION	L0159445	VOLUME	662342.330	4271969.222	67.43
LOCATION	L0159446	VOLUME	662350.930	4271969.222	66.98
LOCATION	L0159447	VOLUME	662359.530	4271969.222	66.53
LOCATION	L0159448	VOLUME	662368.130	4271969.222	66.16
LOCATION	L0159449	VOLUME	662376.730	4271969.222	65.83
LOCATION	L0159450	VOLUME	662385.330	4271969.222	65.51
LOCATION	L0159451	VOLUME	662393.930	4271969.222	65.24
LOCATION	L0159452	VOLUME	662402.530	4271969.222	64.99
LOCATION	L0159453	VOLUME	662411.130	4271969.222	64.73
LOCATION	L0159454	VOLUME	662419.730	4271969.222	64.57
LOCATION	L0159455	VOLUME	662428.330	4271969.222	64.40
LOCATION	L0159456	VOLUME	662436.930	4271969.222	64.23
LOCATION	L0159457	VOLUME	662445.530	4271969.222	64.05
LOCATION	L0159458	VOLUME	662454.130	4271969.222	63.88
LOCATION	L0159459	VOLUME	662462.730	4271969.222	63.70
LOCATION	L0159460	VOLUME	662471.330	4271969.222	63.52
LOCATION	L0159461	VOLUME	662479.930	4271969.222	63.33
LOCATION	L0159462	VOLUME	662488.530	4271969.222	63.35
LOCATION	L0159463	VOLUME	662497.130	4271969.222	63.53
LOCATION	L0159464	VOLUME	662505.730	4271969.222	63.71
LOCATION	L0159465	VOLUME	662514.330	4271969.222	63.93
LOCATION	L0159466	VOLUME	662522.930	4271969.222	64.17
LOCATION	L0159467	VOLUME	662531.530	4271969.222	64.41
LOCATION	L0159468	VOLUME	662540.130	4271969.222	63.88
LOCATION	L0159469	VOLUME	662548.730	4271969.222	63.29
LOCATION	L0159470	VOLUME	662557.330	4271969.222	62.69
LOCATION	L0159471	VOLUME	662565.930	4271969.222	62.10
LOCATION	L0159472	VOLUME	662574.530	4271969.222	61.51
LOCATION	L0159473	VOLUME	662583.130	4271969.222	61.09
LOCATION	L0159474	VOLUME	662591.730	4271969.222	61.06
LOCATION	L0159475	VOLUME	662600.330	4271969.222	61.02
LOCATION	L0159476	VOLUME	662608.930	4271969.222	61.01
LOCATION	L0159477	VOLUME	662616.393	4271968.070	61.02
LOCATION	L0159478	VOLUME	662616.505	4271959.471	60.99
LOCATION	L0159479	VOLUME	662616.616	4271950.871	60.93
LOCATION	L0159480	VOLUME	662616.728	4271942.272	60.88
LOCATION	L0159481	VOLUME	662616.840	4271933.673	60.82
LOCATION	L0159482	VOLUME	662616.951	4271925.074	60.75
LOCATION	L0159483	VOLUME	662617.063	4271916.474	60.67
LOCATION	L0159484	VOLUME	662617.175	4271907.875	60.59
LOCATION	L0159485	VOLUME	662617.286	4271899.276	60.51
LOCATION	L0159486	VOLUME	662617.398	4271890.677	60.56
LOCATION	L0159487	VOLUME	662617.510	4271882.077	60.60
LOCATION	L0159488	VOLUME	662617.621	4271873.478	60.65
LOCATION	L0159489	VOLUME	662617.733	4271864.879	60.63
LOCATION	L0159490	VOLUME	662617.845	4271856.279	60.54
LOCATION	L0159491	VOLUME	662617.956	4271847.680	60.46
LOCATION	L0159492	VOLUME	662618.068	4271839.081	60.37
LOCATION	L0159493	VOLUME	662618.180	4271830.482	60.30
LOCATION	L0159494	VOLUME	662618.291	4271821.882	60.22

LOCATION	L0159495	VOLUME	662618.403	4271813.283	60.14
LOCATION	L0159496	VOLUME	662618.515	4271804.684	60.09
LOCATION	L0159497	VOLUME	662618.626	4271796.085	60.09
LOCATION	L0159498	VOLUME	662618.738	4271787.485	60.10
LOCATION	L0159499	VOLUME	662618.850	4271778.886	60.10
LOCATION	L0159500	VOLUME	662618.961	4271770.287	60.09
LOCATION	L0159501	VOLUME	662619.073	4271761.687	60.09
LOCATION	L0159502	VOLUME	662619.185	4271753.088	60.08
LOCATION	L0159503	VOLUME	662619.296	4271744.489	60.03
LOCATION	L0159504	VOLUME	662619.408	4271735.890	59.77
LOCATION	L0159505	VOLUME	662619.520	4271727.290	59.51
LOCATION	L0159506	VOLUME	662619.632	4271718.691	59.25
LOCATION	L0159507	VOLUME	662619.743	4271710.092	59.12
LOCATION	L0159508	VOLUME	662619.855	4271701.492	59.08
LOCATION	L0159509	VOLUME	662619.967	4271692.893	59.04
LOCATION	L0159510	VOLUME	662620.078	4271684.294	59.00
LOCATION	L0159511	VOLUME	662620.190	4271675.695	58.98
LOCATION	L0159512	VOLUME	662620.302	4271667.095	58.97
LOCATION	L0159513	VOLUME	662620.413	4271658.496	58.95
LOCATION	L0159514	VOLUME	662620.525	4271649.897	58.97
LOCATION	L0159515	VOLUME	662620.637	4271641.298	59.04
LOCATION	L0159516	VOLUME	662620.748	4271632.698	59.10
LOCATION	L0159517	VOLUME	662620.860	4271624.099	59.17
LOCATION	L0159518	VOLUME	662620.972	4271615.500	59.24
LOCATION	L0159519	VOLUME	662621.083	4271606.900	59.32
LOCATION	L0159520	VOLUME	662621.195	4271598.301	59.40
LOCATION	L0159521	VOLUME	662621.307	4271589.702	59.49
LOCATION	L0159522	VOLUME	662621.418	4271581.103	59.58
LOCATION	L0159523	VOLUME	662621.530	4271572.503	59.67
LOCATION	L0159524	VOLUME	662621.642	4271563.904	59.76
LOCATION	L0159525	VOLUME	662621.753	4271555.305	59.81
LOCATION	L0159526	VOLUME	662621.865	4271546.706	59.83
LOCATION	L0159527	VOLUME	662621.977	4271538.106	59.85
LOCATION	L0159528	VOLUME	662622.088	4271529.507	59.87
LOCATION	L0159529	VOLUME	662622.200	4271520.908	59.86
LOCATION	L0159530	VOLUME	662622.312	4271512.308	59.84
LOCATION	L0159531	VOLUME	662622.423	4271503.709	59.83
LOCATION	L0159532	VOLUME	662622.535	4271495.110	59.84
LOCATION	L0159533	VOLUME	662622.647	4271486.511	59.87
LOCATION	L0159534	VOLUME	662622.759	4271477.911	59.91
LOCATION	L0159535	VOLUME	662622.870	4271469.312	59.94
LOCATION	L0159536	VOLUME	662622.982	4271460.713	60.10
LOCATION	L0159537	VOLUME	662623.094	4271452.114	60.28
LOCATION	L0159538	VOLUME	662623.205	4271443.514	60.46
LOCATION	L0159539	VOLUME	662623.317	4271434.915	60.66
LOCATION	L0159540	VOLUME	662623.429	4271426.316	60.92
LOCATION	L0159541	VOLUME	662623.540	4271417.716	61.19
LOCATION	L0159542	VOLUME	662623.652	4271409.117	61.46
LOCATION	L0159543	VOLUME	662623.764	4271400.518	61.71
LOCATION	L0159544	VOLUME	662623.875	4271391.919	61.96

LOCATION	L0159545	VOLUME	662623.987	4271383.319	62.22
LOCATION	L0159546	VOLUME	662624.099	4271374.720	62.48
LOCATION	L0159547	VOLUME	662624.210	4271366.121	62.81
LOCATION	L0159548	VOLUME	662624.322	4271357.521	63.14
LOCATION	L0159549	VOLUME	662624.434	4271348.922	63.47
LOCATION	L0159550	VOLUME	662624.545	4271340.323	63.56
LOCATION	L0159551	VOLUME	662624.657	4271331.724	63.46
LOCATION	L0159552	VOLUME	662624.769	4271323.124	63.35
LOCATION	L0159553	VOLUME	662624.880	4271314.525	63.24
LOCATION	L0159554	VOLUME	662624.992	4271305.926	62.96
LOCATION	L0159555	VOLUME	662625.104	4271297.327	62.67
LOCATION	L0159556	VOLUME	662625.215	4271288.727	62.37
LOCATION	L0159557	VOLUME	662625.327	4271280.128	62.16
LOCATION	L0159558	VOLUME	662625.439	4271271.529	62.07
LOCATION	L0159559	VOLUME	662625.551	4271262.929	61.99
LOCATION	L0159560	VOLUME	662625.662	4271254.330	61.90
LOCATION	L0159561	VOLUME	662625.774	4271245.731	61.92
LOCATION	L0159562	VOLUME	662625.886	4271237.132	61.97
LOCATION	L0159563	VOLUME	662625.997	4271228.532	62.02
LOCATION	L0159564	VOLUME	662626.109	4271219.933	62.08
LOCATION	L0159565	VOLUME	662626.221	4271211.334	62.20
LOCATION	L0159566	VOLUME	662626.332	4271202.735	62.32
LOCATION	L0159567	VOLUME	662626.444	4271194.135	62.44
LOCATION	L0159568	VOLUME	662626.556	4271185.536	62.68
LOCATION	L0159569	VOLUME	662626.667	4271176.937	62.99
LOCATION	L0159570	VOLUME	662626.779	4271168.337	63.30
LOCATION	L0159571	VOLUME	662626.891	4271159.738	63.60
LOCATION	L0159572	VOLUME	662627.002	4271151.139	63.73
LOCATION	L0159573	VOLUME	662627.114	4271142.540	63.86
LOCATION	L0159574	VOLUME	662627.226	4271133.940	63.99
LOCATION	L0159575	VOLUME	662627.337	4271125.341	63.97
LOCATION	L0159576	VOLUME	662627.449	4271116.742	63.75
LOCATION	L0159577	VOLUME	662627.561	4271108.143	63.53
LOCATION	L0159578	VOLUME	662627.672	4271099.543	63.31
LOCATION	L0159579	VOLUME	662627.784	4271090.944	63.16
LOCATION	L0159580	VOLUME	662627.896	4271082.345	63.03
LOCATION	L0159581	VOLUME	662628.007	4271073.745	62.89
LOCATION	L0159582	VOLUME	662628.119	4271065.146	62.79
LOCATION	L0159583	VOLUME	662628.231	4271056.547	62.77
LOCATION	L0159584	VOLUME	662628.342	4271047.948	62.75
LOCATION	L0159585	VOLUME	662628.454	4271039.348	62.73
LOCATION	L0159586	VOLUME	662628.566	4271030.749	62.92
LOCATION	L0159587	VOLUME	662628.678	4271022.150	63.20
LOCATION	L0159588	VOLUME	662628.789	4271013.551	63.47
LOCATION	L0159589	VOLUME	662628.901	4271004.951	63.78
LOCATION	L0159590	VOLUME	662629.013	4270996.352	64.38
LOCATION	L0159591	VOLUME	662629.124	4270987.753	64.98
LOCATION	L0159592	VOLUME	662629.236	4270979.153	65.58
LOCATION	L0159593	VOLUME	662629.348	4270970.554	66.23
LOCATION	L0159594	VOLUME	662629.459	4270961.955	66.92

LOCATION	L0159595	VOLUME	662629.571	4270953.356	67.61
LOCATION	L0159596	VOLUME	662629.683	4270944.756	68.31
LOCATION	L0159597	VOLUME	662629.794	4270936.157	68.40
LOCATION	L0159598	VOLUME	662629.906	4270927.558	68.45
LOCATION	L0159599	VOLUME	662630.018	4270918.958	68.50
LOCATION	L0159600	VOLUME	662630.129	4270910.359	68.48
LOCATION	L0159601	VOLUME	662630.241	4270901.760	68.35
LOCATION	L0159602	VOLUME	662630.353	4270893.161	68.22
LOCATION	L0159603	VOLUME	662630.464	4270884.561	68.08
LOCATION	L0159604	VOLUME	662630.576	4270875.962	67.88
LOCATION	L0159605	VOLUME	662630.688	4270867.363	67.67
LOCATION	L0159606	VOLUME	662630.799	4270858.764	67.45
LOCATION	L0159607	VOLUME	662630.911	4270850.164	67.23
LOCATION	L0159608	VOLUME	662631.023	4270841.565	67.04
LOCATION	L0159609	VOLUME	662631.134	4270832.966	66.84
LOCATION	L0159610	VOLUME	662631.246	4270824.366	66.64
LOCATION	L0159611	VOLUME	662631.358	4270815.767	66.44
LOCATION	L0159612	VOLUME	662631.469	4270807.168	66.24
LOCATION	L0159613	VOLUME	662631.581	4270798.569	66.04
LOCATION	L0159614	VOLUME	662631.693	4270789.969	65.84
LOCATION	L0159615	VOLUME	662631.805	4270781.370	65.46
LOCATION	L0159616	VOLUME	662631.916	4270772.771	65.08
LOCATION	L0159617	VOLUME	662632.028	4270764.172	64.70
LOCATION	L0159618	VOLUME	662632.140	4270755.572	64.29
LOCATION	L0159619	VOLUME	662632.251	4270746.973	63.85
LOCATION	L0159620	VOLUME	662632.363	4270738.374	63.40
LOCATION	L0159621	VOLUME	662632.475	4270729.774	62.96
LOCATION	L0159622	VOLUME	662632.586	4270721.175	62.63
LOCATION	L0159623	VOLUME	662632.698	4270712.576	62.31
LOCATION	L0159624	VOLUME	662632.810	4270703.977	62.00
LOCATION	L0159625	VOLUME	662632.921	4270695.377	61.76
LOCATION	L0159626	VOLUME	662633.033	4270686.778	61.73
LOCATION	L0159627	VOLUME	662633.145	4270678.179	61.70
LOCATION	L0159628	VOLUME	662633.256	4270669.580	61.67
LOCATION	L0159629	VOLUME	662633.368	4270660.980	61.81
LOCATION	L0159630	VOLUME	662633.480	4270652.381	62.03
LOCATION	L0159631	VOLUME	662633.591	4270643.782	62.25
LOCATION	L0159632	VOLUME	662633.703	4270635.182	62.47
LOCATION	L0159633	VOLUME	662633.815	4270626.583	62.69
LOCATION	L0159634	VOLUME	662633.926	4270617.984	62.90
LOCATION	L0159635	VOLUME	662634.038	4270609.385	63.12
LOCATION	L0159636	VOLUME	662634.150	4270600.785	63.29
LOCATION	L0159637	VOLUME	662634.261	4270592.186	63.40
LOCATION	L0159638	VOLUME	662634.373	4270583.587	63.52
LOCATION	L0159639	VOLUME	662634.485	4270574.987	63.63
LOCATION	L0159640	VOLUME	662634.596	4270566.388	63.65
LOCATION	L0159641	VOLUME	662634.708	4270557.789	63.65
LOCATION	L0159642	VOLUME	662634.820	4270549.190	63.65
LOCATION	L0159643	VOLUME	662634.932	4270540.590	63.61
LOCATION	L0159644	VOLUME	662635.043	4270531.991	63.49

LOCATION	L0159645	VOLUME	662635.155	4270523.392	63.36
LOCATION	L0159646	VOLUME	662635.267	4270514.793	63.24
LOCATION	L0159647	VOLUME	662635.378	4270506.193	63.21
LOCATION	L0159648	VOLUME	662635.490	4270497.594	63.23
LOCATION	L0159649	VOLUME	662635.602	4270488.995	63.24
LOCATION	L0159650	VOLUME	662635.713	4270480.395	63.26
LOCATION	L0159651	VOLUME	662635.825	4270471.796	63.34
LOCATION	L0159652	VOLUME	662635.937	4270463.197	63.42
LOCATION	L0159653	VOLUME	662636.048	4270454.598	63.49
LOCATION	L0159654	VOLUME	662636.914	4270446.719	63.57
LOCATION	L0159655	VOLUME	662645.500	4270446.224	63.91
LOCATION	L0159656	VOLUME	662654.085	4270445.729	64.24
LOCATION	L0159657	VOLUME	662662.671	4270445.233	64.58
LOCATION	L0159658	VOLUME	662671.257	4270444.738	64.90
LOCATION	L0159659	VOLUME	662679.843	4270444.243	65.24
LOCATION	L0159660	VOLUME	662688.428	4270443.747	65.60
LOCATION	L0159661	VOLUME	662697.014	4270443.252	66.00
LOCATION	L0159662	VOLUME	662705.600	4270442.757	66.41
LOCATION	L0159663	VOLUME	662714.185	4270442.261	66.83
LOCATION	L0159664	VOLUME	662722.771	4270441.766	67.27
LOCATION	L0159665	VOLUME	662731.357	4270441.271	67.70
LOCATION	L0159666	VOLUME	662739.943	4270440.775	68.05
LOCATION	L0159667	VOLUME	662748.528	4270440.280	68.39
LOCATION	L0159668	VOLUME	662757.114	4270439.785	68.72
LOCATION	L0159669	VOLUME	662765.700	4270439.289	68.87
LOCATION	L0159670	VOLUME	662774.285	4270438.794	69.01
LOCATION	L0159671	VOLUME	662782.871	4270438.299	69.14
LOCATION	L0159672	VOLUME	662791.457	4270437.803	69.18
LOCATION	L0159673	VOLUME	662800.043	4270437.308	69.22
LOCATION	L0159674	VOLUME	662808.628	4270436.813	69.26
LOCATION	L0159675	VOLUME	662817.214	4270436.317	69.31
LOCATION	L0159676	VOLUME	662825.800	4270435.822	69.36
LOCATION	L0159677	VOLUME	662834.386	4270435.327	69.28
LOCATION	L0159678	VOLUME	662842.971	4270434.831	69.10
LOCATION	L0159679	VOLUME	662851.557	4270434.336	68.92
LOCATION	L0159680	VOLUME	662860.143	4270433.841	68.60
LOCATION	L0159681	VOLUME	662868.728	4270433.345	68.23
LOCATION	L0159682	VOLUME	662877.314	4270432.850	67.85
LOCATION	L0159683	VOLUME	662885.900	4270432.355	67.52
LOCATION	L0159684	VOLUME	662894.486	4270431.859	67.19
LOCATION	L0159685	VOLUME	662903.071	4270431.364	66.87
LOCATION	L0159686	VOLUME	662911.657	4270430.869	66.56
LOCATION	L0159687	VOLUME	662920.243	4270430.373	66.26
LOCATION	L0159688	VOLUME	662928.828	4270429.878	65.90
LOCATION	L0159689	VOLUME	662937.414	4270429.383	65.35
LOCATION	L0159690	VOLUME	662946.000	4270428.887	64.80
LOCATION	L0159691	VOLUME	662954.586	4270428.392	64.28
LOCATION	L0159692	VOLUME	662963.171	4270427.897	63.77
LOCATION	L0159693	VOLUME	662971.757	4270427.401	63.24
LOCATION	L0159694	VOLUME	662980.343	4270426.906	63.33

LOCATION	L0159695	VOLUME	662988.929	4270426.411	63.82
LOCATION	L0159696	VOLUME	662997.514	4270425.915	64.29
LOCATION	L0159697	VOLUME	663006.100	4270425.420	64.89
LOCATION	L0159698	VOLUME	663014.686	4270424.925	65.52
LOCATION	L0159699	VOLUME	663023.271	4270424.429	66.16
LOCATION	L0159700	VOLUME	663031.857	4270423.934	66.64
LOCATION	L0159701	VOLUME	663040.443	4270423.439	67.10
LOCATION	L0159702	VOLUME	663049.029	4270422.943	67.46
LOCATION	L0159703	VOLUME	663057.614	4270422.448	67.23
LOCATION	L0159704	VOLUME	663066.200	4270421.953	66.99
LOCATION	L0159705	VOLUME	663074.786	4270421.457	66.71
LOCATION	L0159706	VOLUME	663083.372	4270420.962	66.34
LOCATION	L0159707	VOLUME	663091.957	4270420.467	65.96
LOCATION	L0159708	VOLUME	663100.543	4270419.972	65.59
LOCATION	L0159709	VOLUME	663109.129	4270419.476	65.23
LOCATION	L0159710	VOLUME	663117.714	4270418.981	64.87
LOCATION	L0159711	VOLUME	663126.300	4270418.486	64.33
LOCATION	L0159712	VOLUME	663134.886	4270417.990	63.71
LOCATION	L0159713	VOLUME	663143.472	4270417.495	63.10
LOCATION	L0159714	VOLUME	663152.057	4270417.000	62.79
LOCATION	L0159715	VOLUME	663160.643	4270416.504	62.52
LOCATION	L0159716	VOLUME	663169.229	4270416.009	62.26
LOCATION	L0159717	VOLUME	663177.814	4270415.514	62.55
LOCATION	L0159718	VOLUME	663186.400	4270415.018	62.83
LOCATION	L0159719	VOLUME	663194.986	4270414.523	63.08
LOCATION	L0159720	VOLUME	663203.572	4270414.028	63.20
LOCATION	L0159721	VOLUME	663212.157	4270413.532	63.32
LOCATION	L0159722	VOLUME	663220.743	4270413.037	63.36
LOCATION	L0159723	VOLUME	663229.329	4270412.542	63.27
LOCATION	L0159724	VOLUME	663237.915	4270412.046	63.18
LOCATION	L0159725	VOLUME	663246.500	4270411.551	63.12
LOCATION	L0159726	VOLUME	663255.086	4270411.056	63.08
LOCATION	L0159727	VOLUME	663263.672	4270410.560	63.05
LOCATION	L0159728	VOLUME	663272.257	4270410.065	63.05
LOCATION	L0159729	VOLUME	663280.843	4270409.570	63.07
LOCATION	L0159730	VOLUME	663289.429	4270409.074	63.11
LOCATION	L0159731	VOLUME	663298.015	4270408.579	62.56
LOCATION	L0159732	VOLUME	663306.600	4270408.084	61.96
LOCATION	L0159733	VOLUME	663315.186	4270407.588	61.30
LOCATION	L0159734	VOLUME	663321.760	4270405.037	60.23
LOCATION	L0159735	VOLUME	663322.443	4270396.464	59.89
LOCATION	L0159736	VOLUME	663323.126	4270387.891	59.53
LOCATION	L0159737	VOLUME	663323.808	4270379.318	59.18
LOCATION	L0159738	VOLUME	663324.491	4270370.745	58.77
LOCATION	L0159739	VOLUME	663325.174	4270362.172	58.13
LOCATION	L0159740	VOLUME	663325.857	4270353.600	57.51
LOCATION	L0159741	VOLUME	663326.540	4270345.027	56.92
LOCATION	L0159742	VOLUME	663327.222	4270336.454	57.02
LOCATION	L0159743	VOLUME	663327.905	4270327.881	57.57
LOCATION	L0159744	VOLUME	663328.588	4270319.308	58.13



LOCATION	L0159745	VOLUME	663329.271	4270310.735	58.69
LOCATION	L0159746	VOLUME	663329.953	4270302.162	58.95
LOCATION	L0159747	VOLUME	663330.636	4270293.590	59.23
LOCATION	L0159748	VOLUME	663331.319	4270285.017	59.51
LOCATION	L0159749	VOLUME	663332.002	4270276.444	59.40
LOCATION	L0159750	VOLUME	663332.685	4270267.871	58.77
LOCATION	L0159751	VOLUME	663333.367	4270259.298	58.15
LOCATION	L0159752	VOLUME	663334.050	4270250.725	57.55
LOCATION	L0159753	VOLUME	663334.733	4270242.152	56.50
LOCATION	L0159754	VOLUME	663335.416	4270233.580	55.35
LOCATION	L0159755	VOLUME	663336.099	4270225.007	54.20
LOCATION	L0159756	VOLUME	663336.781	4270216.434	53.20
LOCATION	L0159757	VOLUME	663337.464	4270207.861	52.74
LOCATION	L0159758	VOLUME	663338.147	4270199.288	52.29
LOCATION	L0159759	VOLUME	663338.830	4270190.715	51.83
LOCATION	L0159760	VOLUME	663339.513	4270182.143	52.39
LOCATION	L0159761	VOLUME	663340.195	4270173.570	53.54
LOCATION	L0159762	VOLUME	663340.878	4270164.997	54.71
LOCATION	L0159763	VOLUME	663341.561	4270156.424	55.92
LOCATION	L0159764	VOLUME	663342.244	4270147.851	57.24
LOCATION	L0159765	VOLUME	663342.927	4270139.278	58.56
LOCATION	L0159766	VOLUME	663343.609	4270130.705	59.90
LOCATION	L0159767	VOLUME	663344.292	4270122.133	60.84
LOCATION	L0159768	VOLUME	663344.975	4270113.560	61.24
LOCATION	L0159769	VOLUME	663345.658	4270104.987	61.61
LOCATION	L0159770	VOLUME	663346.341	4270096.414	61.99
LOCATION	L0159771	VOLUME	663347.023	4270087.841	61.68
LOCATION	L0159772	VOLUME	663347.706	4270079.268	61.28
LOCATION	L0159773	VOLUME	663348.389	4270070.695	60.87
LOCATION	L0159774	VOLUME	663349.072	4270062.123	60.48
LOCATION	L0159775	VOLUME	663349.755	4270053.550	60.13
LOCATION	L0159776	VOLUME	663350.437	4270044.977	59.78
LOCATION	L0159777	VOLUME	663351.120	4270036.404	59.42
LOCATION	L0159778	VOLUME	663351.803	4270027.831	59.08
LOCATION	L0159779	VOLUME	663352.486	4270019.258	58.75
LOCATION	L0159780	VOLUME	663353.168	4270010.685	58.42
LOCATION	L0159781	VOLUME	663353.851	4270002.113	58.09
LOCATION	L0159782	VOLUME	663354.534	4269993.540	57.77
LOCATION	L0159783	VOLUME	663355.217	4269984.967	57.45
LOCATION	L0159784	VOLUME	663355.900	4269976.394	57.14
LOCATION	L0159785	VOLUME	663356.582	4269967.821	56.84
LOCATION	L0159786	VOLUME	663357.265	4269959.248	56.55
LOCATION	L0159787	VOLUME	663357.948	4269950.676	56.26
LOCATION	L0159788	VOLUME	663358.631	4269942.103	55.97
LOCATION	L0159789	VOLUME	663359.314	4269933.530	55.63
LOCATION	L0159790	VOLUME	663359.996	4269924.957	55.29
LOCATION	L0159791	VOLUME	663360.679	4269916.384	54.93
LOCATION	L0159792	VOLUME	663361.362	4269907.811	54.76
LOCATION	L0159793	VOLUME	663362.045	4269899.238	54.96
LOCATION	L0159794	VOLUME	663362.728	4269890.666	55.16

LOCATION	L0159795	VOLUME	663363.410	4269882.093	55.35
LOCATION	L0159796	VOLUME	663364.093	4269873.520	55.71
LOCATION	L0159797	VOLUME	663364.776	4269864.947	56.13
LOCATION	L0159798	VOLUME	663365.459	4269856.374	56.54
LOCATION	L0159799	VOLUME	663366.142	4269847.801	56.97
LOCATION	L0159800	VOLUME	663366.824	4269839.228	57.41
LOCATION	L0159801	VOLUME	663367.507	4269830.656	57.86
LOCATION	L0159802	VOLUME	663368.190	4269822.083	58.30
LOCATION	L0159803	VOLUME	663368.873	4269813.510	58.64
LOCATION	L0159804	VOLUME	663369.556	4269804.937	58.88
LOCATION	L0159805	VOLUME	663370.238	4269796.364	59.12
LOCATION	L0159806	VOLUME	663370.921	4269787.791	59.35
LOCATION	L0159807	VOLUME	663371.604	4269779.218	59.38
LOCATION	L0159808	VOLUME	663372.287	4269770.646	59.39
LOCATION	L0159809	VOLUME	663372.969	4269762.073	59.40
LOCATION	L0159810	VOLUME	663373.652	4269753.500	59.43
LOCATION	L0159811	VOLUME	663374.335	4269744.927	59.49
LOCATION	L0159812	VOLUME	663375.018	4269736.354	59.55
LOCATION	L0159813	VOLUME	663375.701	4269727.781	59.62
LOCATION	L0159814	VOLUME	663376.383	4269719.209	59.70
LOCATION	L0159815	VOLUME	663377.066	4269710.636	59.78
LOCATION	L0159816	VOLUME	663377.749	4269702.063	59.85
LOCATION	L0159817	VOLUME	663378.432	4269693.490	59.95
LOCATION	L0159818	VOLUME	663379.115	4269684.917	60.14
LOCATION	L0159819	VOLUME	663379.797	4269676.344	60.34
LOCATION	L0159820	VOLUME	663380.480	4269667.771	60.54
LOCATION	L0159821	VOLUME	663384.174	4269662.671	60.68
LOCATION	L0159822	VOLUME	663392.758	4269663.207	60.68
LOCATION	L0159823	VOLUME	663401.341	4269663.744	60.67
LOCATION	L0159824	VOLUME	663409.924	4269664.280	60.59
LOCATION	L0159825	VOLUME	663418.508	4269664.817	60.49
LOCATION	L0159826	VOLUME	663427.091	4269665.353	60.38
LOCATION	L0159827	VOLUME	663435.674	4269665.890	60.20
LOCATION	L0159828	VOLUME	663444.257	4269666.426	60.02
LOCATION	L0159829	VOLUME	663452.841	4269666.962	59.96
LOCATION	L0159830	VOLUME	663461.424	4269667.499	60.19
LOCATION	L0159831	VOLUME	663470.007	4269668.035	60.43
LOCATION	L0159832	VOLUME	663478.590	4269668.572	60.71
LOCATION	L0159833	VOLUME	663487.174	4269669.108	61.04
LOCATION	L0159834	VOLUME	663495.757	4269669.645	61.37
LOCATION	L0159835	VOLUME	663504.340	4269670.181	61.73
LOCATION	L0159836	VOLUME	663512.923	4269670.718	62.10
LOCATION	L0159837	VOLUME	663521.507	4269671.254	62.47
LOCATION	L0159838	VOLUME	663530.090	4269671.791	62.61
LOCATION	L0159839	VOLUME	663538.673	4269672.327	62.68
LOCATION	L0159840	VOLUME	663547.256	4269672.863	62.75
LOCATION	L0159841	VOLUME	663555.840	4269673.400	62.39
LOCATION	L0159842	VOLUME	663564.423	4269673.936	62.03
LOCATION	L0159843	VOLUME	663573.006	4269674.473	61.68
LOCATION	L0159844	VOLUME	663581.589	4269675.009	61.44

LOCATION	L0159845	VOLUME	663590.173	4269675.546	61.21
LOCATION	L0159846	VOLUME	663590.942	4269682.557	61.13
LOCATION	L0159847	VOLUME	663589.876	4269691.091	61.08
LOCATION	L0159848	VOLUME	663588.809	4269699.624	61.03
LOCATION	L0159849	VOLUME	663587.742	4269708.158	61.07
LOCATION	L0159850	VOLUME	663586.676	4269716.692	61.08
LOCATION	L0159851	VOLUME	663585.609	4269725.225	61.07
LOCATION	L0159852	VOLUME	663584.542	4269733.759	61.14
LOCATION	L0159853	VOLUME	663583.476	4269742.292	61.32
LOCATION	L0159854	VOLUME	663582.409	4269750.826	61.49
LOCATION	L0159855	VOLUME	663581.342	4269759.360	61.64
LOCATION	L0159856	VOLUME	663580.275	4269767.893	61.79
LOCATION	L0159857	VOLUME	663579.209	4269776.427	61.94
LOCATION	L0159858	VOLUME	663578.142	4269784.960	62.09
LOCATION	L0159859	VOLUME	663577.075	4269793.494	62.16
LOCATION	L0159860	VOLUME	663576.009	4269802.027	61.90
LOCATION	L0159861	VOLUME	663574.942	4269810.561	61.66
LOCATION	L0159862	VOLUME	663573.875	4269819.095	61.44
LOCATION	L0159863	VOLUME	663572.809	4269827.628	61.16
LOCATION	L0159864	VOLUME	663571.742	4269836.162	60.83
LOCATION	L0159865	VOLUME	663570.675	4269844.695	60.52
LOCATION	L0159866	VOLUME	663569.609	4269853.229	60.23
LOCATION	L0159867	VOLUME	663568.542	4269861.763	59.92
LOCATION	L0159868	VOLUME	663567.475	4269870.296	59.61
LOCATION	L0159869	VOLUME	663566.408	4269878.830	59.29
LOCATION	L0159870	VOLUME	663565.342	4269887.363	59.08
LOCATION	L0159871	VOLUME	663564.275	4269895.897	58.99
LOCATION	L0159872	VOLUME	663563.208	4269904.431	58.90
LOCATION	L0159873	VOLUME	663562.142	4269912.964	58.79
LOCATION	L0159874	VOLUME	663561.075	4269921.498	58.94
LOCATION	L0159875	VOLUME	663560.008	4269930.031	59.16
LOCATION	L0159876	VOLUME	663558.942	4269938.565	59.37
LOCATION	L0159877	VOLUME	663557.875	4269947.099	59.59
LOCATION	L0159878	VOLUME	663556.808	4269955.632	59.85
LOCATION	L0159879	VOLUME	663555.741	4269964.166	60.11
LOCATION	L0159880	VOLUME	663554.675	4269972.699	60.36
LOCATION	L0159881	VOLUME	663553.608	4269981.233	60.59
LOCATION	L0159882	VOLUME	663552.541	4269989.766	60.80
LOCATION	L0159883	VOLUME	663551.475	4269998.300	61.01
LOCATION	L0159884	VOLUME	663550.408	4270006.834	61.21
LOCATION	L0159885	VOLUME	663549.341	4270015.367	61.30
LOCATION	L0159886	VOLUME	663548.275	4270023.901	61.39
LOCATION	L0159887	VOLUME	663547.208	4270032.434	61.49
LOCATION	L0159888	VOLUME	663546.141	4270040.968	61.61
LOCATION	L0159889	VOLUME	663545.074	4270049.502	61.75
LOCATION	L0159890	VOLUME	663544.008	4270058.035	61.90
LOCATION	L0159891	VOLUME	663542.941	4270066.569	62.05
LOCATION	L0159892	VOLUME	663541.874	4270075.102	62.36
LOCATION	L0159893	VOLUME	663540.808	4270083.636	62.72
LOCATION	L0159894	VOLUME	663539.741	4270092.170	63.07

LOCATION	L0159895	VOLUME	663538.674	4270100.703	63.46
LOCATION	L0159896	VOLUME	663537.608	4270109.237	64.04
LOCATION	L0159897	VOLUME	663536.541	4270117.770	64.56
LOCATION	L0159898	VOLUME	663535.474	4270126.304	65.04
LOCATION	L0159899	VOLUME	663534.407	4270134.837	65.23
LOCATION	L0159900	VOLUME	663533.341	4270143.371	65.20
LOCATION	L0159901	VOLUME	663532.274	4270151.905	65.13
LOCATION	L0159902	VOLUME	663531.207	4270160.438	65.02
LOCATION	L0159903	VOLUME	663530.141	4270168.972	64.26
LOCATION	L0159904	VOLUME	663529.074	4270177.505	63.51
LOCATION	L0159905	VOLUME	663528.007	4270186.039	62.79
LOCATION	L0159906	VOLUME	663526.941	4270194.573	62.12
LOCATION	L0159907	VOLUME	663525.874	4270203.106	61.56
LOCATION	L0159908	VOLUME	663524.807	4270211.640	61.06
LOCATION	L0159909	VOLUME	663523.740	4270220.173	60.64
LOCATION	L0159910	VOLUME	663522.674	4270228.707	61.25
LOCATION	L0159911	VOLUME	663521.607	4270237.241	62.19
LOCATION	L0159912	VOLUME	663520.540	4270245.774	63.15
LOCATION	L0159913	VOLUME	663519.474	4270254.308	64.09
LOCATION	L0159914	VOLUME	663518.407	4270262.841	64.90
LOCATION	L0159915	VOLUME	663517.340	4270271.375	65.67
LOCATION	L0159916	VOLUME	663516.274	4270279.909	66.42
LOCATION	L0159917	VOLUME	663515.207	4270288.442	66.72
LOCATION	L0159918	VOLUME	663514.140	4270296.976	66.67
LOCATION	L0159919	VOLUME	663513.073	4270305.509	66.61
LOCATION	L0159920	VOLUME	663508.945	4270312.670	66.25
LOCATION	L0159921	VOLUME	663503.282	4270319.142	65.53
LOCATION	L0159922	VOLUME	663497.618	4270325.614	64.75
LOCATION	L0159923	VOLUME	663491.955	4270332.086	63.96
LOCATION	L0159924	VOLUME	663486.292	4270338.558	63.15
LOCATION	L0159925	VOLUME	663480.629	4270345.030	62.33
LOCATION	L0159926	VOLUME	663474.966	4270351.503	61.71
LOCATION	L0159927	VOLUME	663469.303	4270357.975	61.07
LOCATION	L0159928	VOLUME	663463.640	4270364.447	60.38
LOCATION	L0159929	VOLUME	663457.977	4270370.919	59.55
LOCATION	L0159930	VOLUME	663452.313	4270377.391	58.33
LOCATION	L0159931	VOLUME	663446.650	4270383.863	56.83
LOCATION	L0159932	VOLUME	663440.987	4270390.336	55.40
LOCATION	L0159933	VOLUME	663435.324	4270396.808	54.09
LOCATION	L0159934	VOLUME	663429.661	4270403.280	53.49
LOCATION	L0159935	VOLUME	663423.998	4270409.752	53.26
LOCATION	L0159936	VOLUME	663418.335	4270416.224	53.23
LOCATION	L0159937	VOLUME	663412.671	4270422.696	53.31
LOCATION	L0159938	VOLUME	663407.008	4270429.168	53.59
LOCATION	L0159939	VOLUME	663401.345	4270435.641	53.99
LOCATION	L0159940	VOLUME	663395.682	4270442.113	54.99
LOCATION	L0159941	VOLUME	663390.019	4270448.585	56.09
LOCATION	L0159942	VOLUME	663384.356	4270455.057	57.18
LOCATION	L0159943	VOLUME	663378.693	4270461.529	57.97
LOCATION	L0159944	VOLUME	663373.029	4270468.001	58.72

LOCATION	L0159945	VOLUME	663367.366	4270474.474	59.66
LOCATION	L0159946	VOLUME	663361.703	4270480.946	60.59
LOCATION	L0159947	VOLUME	663356.040	4270487.418	61.44
LOCATION	L0159948	VOLUME	663350.377	4270493.890	61.94
LOCATION	L0159949	VOLUME	663344.714	4270500.362	62.29
LOCATION	L0159950	VOLUME	663339.051	4270506.834	62.67
LOCATION	L0159951	VOLUME	663333.387	4270513.307	63.35
LOCATION	L0159952	VOLUME	663327.724	4270519.779	64.07
LOCATION	L0159953	VOLUME	663322.061	4270526.251	64.50
LOCATION	L0159954	VOLUME	663316.398	4270532.723	64.96
LOCATION	L0159955	VOLUME	663310.735	4270539.195	65.52
LOCATION	L0159956	VOLUME	663305.072	4270545.667	66.42
LOCATION	L0159957	VOLUME	663299.409	4270552.140	67.27
LOCATION	L0159958	VOLUME	663293.745	4270558.612	68.10
LOCATION	L0159959	VOLUME	663288.082	4270565.084	68.97
LOCATION	L0159960	VOLUME	663282.419	4270571.556	69.89
LOCATION	L0159961	VOLUME	663281.040	4270579.951	70.74
LOCATION	L0159962	VOLUME	663279.966	4270588.484	71.57
LOCATION	L0159963	VOLUME	663278.892	4270597.017	72.28
LOCATION	L0159964	VOLUME	663277.819	4270605.550	72.99
LOCATION	L0159965	VOLUME	663276.745	4270614.082	73.69
LOCATION	L0159966	VOLUME	663275.671	4270622.615	74.28
LOCATION	L0159967	VOLUME	663274.598	4270631.148	74.76
LOCATION	L0159968	VOLUME	663273.524	4270639.680	75.24
LOCATION	L0159969	VOLUME	663272.450	4270648.213	75.72
LOCATION	L0159970	VOLUME	663271.377	4270656.746	75.80
LOCATION	L0159971	VOLUME	663270.303	4270665.279	75.84
LOCATION	L0159972	VOLUME	663269.229	4270673.811	75.89
LOCATION	L0159973	VOLUME	663268.156	4270682.344	75.90
LOCATION	L0159974	VOLUME	663267.082	4270690.877	75.81
LOCATION	L0159975	VOLUME	663266.009	4270699.409	75.71
LOCATION	L0159976	VOLUME	663264.935	4270707.942	75.61
LOCATION	L0159977	VOLUME	663263.861	4270716.475	75.43
LOCATION	L0159978	VOLUME	663262.788	4270725.008	75.18
LOCATION	L0159979	VOLUME	663261.714	4270733.540	74.93
LOCATION	L0159980	VOLUME	663260.640	4270742.073	74.63
LOCATION	L0159981	VOLUME	663259.567	4270750.606	74.10
LOCATION	L0159982	VOLUME	663258.493	4270759.138	73.57
LOCATION	L0159983	VOLUME	663257.419	4270767.671	73.06
LOCATION	L0159984	VOLUME	663256.346	4270776.204	72.40
LOCATION	L0159985	VOLUME	663255.272	4270784.737	71.61
LOCATION	L0159986	VOLUME	663254.198	4270793.269	70.84
LOCATION	L0159987	VOLUME	663253.125	4270801.802	70.09
LOCATION	L0159988	VOLUME	663252.051	4270810.335	68.86
LOCATION	L0159989	VOLUME	663250.977	4270818.867	67.61
LOCATION	L0159990	VOLUME	663249.904	4270827.400	66.38
LOCATION	L0159991	VOLUME	663248.830	4270835.933	65.20
LOCATION	L0159992	VOLUME	663247.756	4270844.466	64.08
LOCATION	L0159993	VOLUME	663246.683	4270852.998	62.98
LOCATION	L0159994	VOLUME	663245.609	4270861.531	61.90

LOCATION	L0159995	VOLUME	663244.535	4270870.064	61.25
LOCATION	L0159996	VOLUME	663243.462	4270878.596	60.80
LOCATION	L0159997	VOLUME	663242.388	4270887.129	60.34
LOCATION	L0159998	VOLUME	663241.314	4270895.662	59.92
LOCATION	L0159999	VOLUME	663240.241	4270904.195	60.11
LOCATION	L0160000	VOLUME	663239.167	4270912.727	60.27
LOCATION	L0160001	VOLUME	663238.094	4270921.260	60.42
LOCATION	L0160002	VOLUME	663237.020	4270929.793	60.80
LOCATION	L0160003	VOLUME	663235.946	4270938.326	61.44
LOCATION	L0160004	VOLUME	663234.873	4270946.858	62.08
LOCATION	L0160005	VOLUME	663233.799	4270955.391	62.71
LOCATION	L0160006	VOLUME	663232.725	4270963.924	63.27
LOCATION	L0160007	VOLUME	663231.652	4270972.456	63.83
LOCATION	L0160008	VOLUME	663230.578	4270980.989	64.38
LOCATION	L0160009	VOLUME	663229.504	4270989.522	64.50
LOCATION	L0160010	VOLUME	663228.431	4270998.055	63.53
LOCATION	L0160011	VOLUME	663227.357	4271006.587	62.57
LOCATION	L0160012	VOLUME	663226.283	4271015.120	61.62
LOCATION	L0160013	VOLUME	663225.210	4271023.653	61.09
LOCATION	L0160014	VOLUME	663224.136	4271032.185	60.77
LOCATION	L0160015	VOLUME	663223.062	4271040.718	60.46
LOCATION	L0160016	VOLUME	663221.989	4271049.251	60.20
LOCATION	L0160017	VOLUME	663220.915	4271057.784	61.07
LOCATION	L0160018	VOLUME	663219.841	4271066.316	61.95
LOCATION	L0160019	VOLUME	663218.768	4271074.849	62.84
LOCATION	L0160020	VOLUME	663217.694	4271083.382	63.78
LOCATION	L0160021	VOLUME	663216.620	4271091.914	64.79
LOCATION	L0160022	VOLUME	663215.547	4271100.447	65.82
LOCATION	L0160023	VOLUME	663214.473	4271108.980	66.87
LOCATION	L0160024	VOLUME	663213.400	4271117.513	67.59
LOCATION	L0160025	VOLUME	663212.326	4271126.045	68.25
LOCATION	L0160026	VOLUME	663211.252	4271134.578	68.92
LOCATION	L0160027	VOLUME	663210.179	4271143.111	69.59
LOCATION	L0160028	VOLUME	663209.105	4271151.643	70.27
LOCATION	L0160029	VOLUME	663208.031	4271160.176	70.93
LOCATION	L0160030	VOLUME	663206.958	4271168.709	71.58
LOCATION	L0160031	VOLUME	663205.884	4271177.242	71.69
LOCATION	L0160032	VOLUME	663204.810	4271185.774	71.47
LOCATION	L0160033	VOLUME	663203.737	4271194.307	71.24
LOCATION	L0160034	VOLUME	663202.663	4271202.840	70.99
LOCATION	L0160035	VOLUME	663201.589	4271211.372	70.30
LOCATION	L0160036	VOLUME	663200.516	4271219.905	69.61
LOCATION	L0160037	VOLUME	663199.442	4271228.438	68.92
LOCATION	L0160038	VOLUME	663198.368	4271236.971	68.70
LOCATION	L0160039	VOLUME	663197.295	4271245.503	69.12
LOCATION	L0160040	VOLUME	663196.221	4271254.036	69.53
LOCATION	L0160041	VOLUME	663195.147	4271262.569	69.95
LOCATION	L0160042	VOLUME	663194.074	4271271.101	70.61
LOCATION	L0160043	VOLUME	663193.000	4271279.634	71.33
LOCATION	L0160044	VOLUME	663191.926	4271288.167	72.07

LOCATION	L0160045	VOLUME	663190.853	4271296.700	72.38
LOCATION	L0160046	VOLUME	663189.779	4271305.232	71.16
LOCATION	L0160047	VOLUME	663188.705	4271313.765	69.99
LOCATION	L0160048	VOLUME	663187.632	4271322.298	68.88
LOCATION	L0160049	VOLUME	663186.558	4271330.831	67.35
LOCATION	L0160050	VOLUME	663185.485	4271339.363	65.48
LOCATION	L0160051	VOLUME	663184.411	4271347.896	63.52
LOCATION	L0160052	VOLUME	663183.337	4271356.429	61.49
LOCATION	L0160053	VOLUME	663182.264	4271364.961	61.68
LOCATION	L0160054	VOLUME	663181.190	4271373.494	61.85
LOCATION	L0160055	VOLUME	663180.116	4271382.027	62.01
LOCATION	L0160056	VOLUME	663179.043	4271390.560	62.14
LOCATION	L0160057	VOLUME	663177.969	4271399.092	62.25
LOCATION	L0160058	VOLUME	663176.895	4271407.625	62.35
LOCATION	L0160059	VOLUME	663175.822	4271416.158	62.46
LOCATION	L0160060	VOLUME	663174.748	4271424.690	62.45
LOCATION	L0160061	VOLUME	663173.674	4271433.223	62.41
LOCATION	L0160062	VOLUME	663172.601	4271441.756	62.37
LOCATION	L0160063	VOLUME	663171.527	4271450.289	62.33
LOCATION	L0160064	VOLUME	663170.453	4271458.821	62.34
LOCATION	L0160065	VOLUME	663169.380	4271467.354	62.39
LOCATION	L0160066	VOLUME	663168.306	4271475.887	62.50
LOCATION	L0160067	VOLUME	663167.232	4271484.419	62.72
LOCATION	L0160068	VOLUME	663166.159	4271492.952	63.00
LOCATION	L0160069	VOLUME	663165.085	4271501.485	63.32
LOCATION	L0160070	VOLUME	663164.011	4271510.018	63.66
LOCATION	L0160071	VOLUME	663162.938	4271518.550	63.77
LOCATION	L0160072	VOLUME	663161.864	4271527.083	63.85
LOCATION	L0160073	VOLUME	663160.791	4271535.616	63.91
LOCATION	L0160074	VOLUME	663159.717	4271544.148	64.00
LOCATION	L0160075	VOLUME	663158.643	4271552.681	64.17
LOCATION	L0160076	VOLUME	663157.570	4271561.214	64.32
LOCATION	L0160077	VOLUME	663154.241	4271567.291	64.52
LOCATION	L0160078	VOLUME	663145.648	4271567.635	64.92
LOCATION	L0160079	VOLUME	663137.055	4271567.978	65.79
LOCATION	L0160080	VOLUME	663128.462	4271568.322	66.66
LOCATION	L0160081	VOLUME	663119.868	4271568.666	67.53
LOCATION	L0160082	VOLUME	663111.275	4271569.009	68.52
LOCATION	L0160083	VOLUME	663102.682	4271569.353	69.50
LOCATION	L0160084	VOLUME	663094.089	4271569.697	70.41
LOCATION	L0160085	VOLUME	663085.496	4271570.041	71.22
LOCATION	L0160086	VOLUME	663076.903	4271570.384	72.04
LOCATION	L0160087	VOLUME	663068.310	4271570.728	72.82
LOCATION	L0160088	VOLUME	663059.717	4271571.072	73.52
LOCATION	L0160089	VOLUME	663051.123	4271571.416	74.23
LOCATION	L0160090	VOLUME	663042.530	4271571.759	74.27
LOCATION	L0160091	VOLUME	663033.937	4271572.103	74.03
LOCATION	L0160092	VOLUME	663025.344	4271572.447	73.79
LOCATION	L0160093	VOLUME	663016.751	4271572.790	73.17
LOCATION	L0160094	VOLUME	663008.158	4271573.134	72.50

LOCATION	L0160095	VOLUME	662999.565	4271573.478	71.86
LOCATION	L0160096	VOLUME	662991.675	4271574.790	71.56
LOCATION	L0160097	VOLUME	662988.688	4271582.855	71.62
LOCATION	L0160098	VOLUME	662985.701	4271590.920	71.69
LOCATION	L0160099	VOLUME	662982.714	4271598.984	71.77
LOCATION	L0160100	VOLUME	662979.727	4271607.049	71.39
LOCATION	L0160101	VOLUME	662976.740	4271615.113	71.00
LOCATION	L0160102	VOLUME	662973.753	4271623.178	70.61
LOCATION	L0160103	VOLUME	662970.767	4271631.243	70.21
LOCATION	L0160104	VOLUME	662967.780	4271639.307	69.78
LOCATION	L0160105	VOLUME	662964.793	4271647.372	69.34
LOCATION	L0160106	VOLUME	662961.806	4271655.437	68.88
LOCATION	L0160107	VOLUME	662958.819	4271663.501	68.53
LOCATION	L0160108	VOLUME	662955.832	4271671.566	68.37
LOCATION	L0160109	VOLUME	662952.845	4271679.631	68.21
LOCATION	L0160110	VOLUME	662949.858	4271687.695	68.05
LOCATION	L0160111	VOLUME	662946.871	4271695.760	68.07
LOCATION	L0160112	VOLUME	662943.884	4271703.825	68.22
LOCATION	L0160113	VOLUME	662940.897	4271711.889	68.40
LOCATION	L0160114	VOLUME	662937.911	4271719.954	68.61
LOCATION	L0160115	VOLUME	662934.924	4271728.018	68.87
LOCATION	L0160116	VOLUME	662931.937	4271736.083	69.14
LOCATION	L0160117	VOLUME	662928.950	4271744.148	69.41
LOCATION	L0160118	VOLUME	662925.963	4271752.212	69.68
LOCATION	L0160119	VOLUME	662922.976	4271760.277	69.69
LOCATION	L0160120	VOLUME	662919.989	4271768.342	69.60
LOCATION	L0160121	VOLUME	662917.002	4271776.406	69.49
LOCATION	L0160122	VOLUME	662914.015	4271784.471	69.31
LOCATION	L0160123	VOLUME	662911.028	4271792.536	68.95
LOCATION	L0160124	VOLUME	662908.042	4271800.600	68.61
LOCATION	L0160125	VOLUME	662905.055	4271808.665	68.29
LOCATION	L0160126	VOLUME	662902.068	4271816.729	67.91
LOCATION	L0160127	VOLUME	662899.081	4271824.794	67.43
LOCATION	L0160128	VOLUME	662896.094	4271832.859	67.00
LOCATION	L0160129	VOLUME	662893.107	4271840.923	66.63
LOCATION	L0160130	VOLUME	662890.120	4271848.988	66.15
LOCATION	L0160131	VOLUME	662887.133	4271857.053	65.61
LOCATION	L0160132	VOLUME	662884.146	4271865.117	65.08
LOCATION	L0160133	VOLUME	662881.159	4271873.182	64.55
LOCATION	L0160134	VOLUME	662878.173	4271881.247	64.41
LOCATION	L0160135	VOLUME	662875.186	4271889.311	64.30
LOCATION	L0160136	VOLUME	662872.199	4271897.376	64.14
LOCATION	L0160137	VOLUME	662869.212	4271905.441	63.94
LOCATION	L0160138	VOLUME	662866.225	4271913.505	63.92
LOCATION	L0160139	VOLUME	662863.238	4271921.570	63.84
LOCATION	L0160140	VOLUME	662860.251	4271929.634	63.70
LOCATION	L0160141	VOLUME	662851.692	4271929.251	63.06
LOCATION	L0160142	VOLUME	662843.103	4271928.821	62.64
LOCATION	L0160143	VOLUME	662834.514	4271928.392	62.41
LOCATION	L0160144	VOLUME	662825.924	4271927.963	62.18



LOCATION	L0160145	VOLUME	662817.335	4271927.533	61.96
LOCATION	L0160146	VOLUME	662808.746	4271927.104	61.74
LOCATION	L0160147	VOLUME	662800.156	4271926.674	61.51
LOCATION	L0160148	VOLUME	662791.567	4271926.245	61.15
LOCATION	L0160149	VOLUME	662782.978	4271925.815	60.76
LOCATION	L0160150	VOLUME	662774.389	4271925.386	60.39
LOCATION	L0160151	VOLUME	662765.799	4271924.956	60.22
LOCATION	L0160152	VOLUME	662757.210	4271924.527	60.06
LOCATION	L0160153	VOLUME	662748.621	4271924.097	59.96
LOCATION	L0160154	VOLUME	662740.032	4271923.668	60.07
LOCATION	L0160155	VOLUME	662731.442	4271923.238	60.18
LOCATION	L0160156	VOLUME	662728.558	4271917.515	60.29
LOCATION	L0160157	VOLUME	662728.769	4271908.917	60.39
LOCATION	L0160158	VOLUME	662728.981	4271900.320	60.49
LOCATION	L0160159	VOLUME	662729.193	4271891.723	60.55
LOCATION	L0160160	VOLUME	662729.405	4271883.125	60.61
LOCATION	L0160161	VOLUME	662729.616	4271874.528	60.67
LOCATION	L0160162	VOLUME	662729.828	4271865.930	60.66
LOCATION	L0160163	VOLUME	662730.040	4271857.333	60.61
LOCATION	L0160164	VOLUME	662730.252	4271848.736	60.56
LOCATION	L0160165	VOLUME	662730.463	4271840.138	60.50
LOCATION	L0160166	VOLUME	662730.675	4271831.541	60.35
LOCATION	L0160167	VOLUME	662730.887	4271822.943	60.21
LOCATION	L0160168	VOLUME	662731.099	4271814.346	60.07
LOCATION	L0160169	VOLUME	662731.310	4271805.749	60.11
LOCATION	L0160170	VOLUME	662731.522	4271797.151	60.36
LOCATION	L0160171	VOLUME	662731.734	4271788.554	60.62
LOCATION	L0160172	VOLUME	662731.946	4271779.957	60.87
LOCATION	L0160173	VOLUME	662732.157	4271771.359	61.05
LOCATION	L0160174	VOLUME	662732.369	4271762.762	61.21
LOCATION	L0160175	VOLUME	662732.581	4271754.164	61.38
LOCATION	L0160176	VOLUME	662732.793	4271745.567	61.46
LOCATION	L0160177	VOLUME	662733.004	4271736.970	61.36
LOCATION	L0160178	VOLUME	662733.216	4271728.372	61.26
LOCATION	L0160179	VOLUME	662733.428	4271719.775	61.16
LOCATION	L0160180	VOLUME	662733.640	4271711.177	61.12
LOCATION	L0160181	VOLUME	662733.852	4271702.580	61.12
LOCATION	L0160182	VOLUME	662734.063	4271693.983	61.11
LOCATION	L0160183	VOLUME	662734.275	4271685.385	61.11
LOCATION	L0160184	VOLUME	662734.487	4271676.788	61.09
LOCATION	L0160185	VOLUME	662734.699	4271668.190	61.07
LOCATION	L0160186	VOLUME	662734.910	4271659.593	61.05
LOCATION	L0160187	VOLUME	662735.122	4271650.996	61.03
LOCATION	L0160188	VOLUME	662735.334	4271642.398	61.02
LOCATION	L0160189	VOLUME	662735.546	4271633.801	61.00
LOCATION	L0160190	VOLUME	662735.757	4271625.203	60.99
LOCATION	L0160191	VOLUME	662735.969	4271616.606	61.13
LOCATION	L0160192	VOLUME	662736.181	4271608.009	61.29
LOCATION	L0160193	VOLUME	662736.393	4271599.411	61.44
LOCATION	L0160194	VOLUME	662736.604	4271590.814	61.66

LOCATION	L0160195	VOLUME	662736.816	4271582.216	61.98
LOCATION	L0160196	VOLUME	662737.028	4271573.619	62.31
LOCATION	L0160197	VOLUME	662737.240	4271565.022	62.63
LOCATION	L0160198	VOLUME	662737.451	4271556.424	62.73
LOCATION	L0160199	VOLUME	662737.663	4271547.827	62.77
LOCATION	L0160200	VOLUME	662737.875	4271539.230	62.81
LOCATION	L0160201	VOLUME	662738.087	4271530.632	62.81
LOCATION	L0160202	VOLUME	662738.298	4271522.035	62.63
LOCATION	L0160203	VOLUME	662738.510	4271513.437	62.46
LOCATION	L0160204	VOLUME	662738.722	4271504.840	62.28
LOCATION	L0160205	VOLUME	662738.934	4271496.243	62.29
LOCATION	L0160206	VOLUME	662739.145	4271487.645	62.40
LOCATION	L0160207	VOLUME	662739.357	4271479.048	62.51
LOCATION	L0160208	VOLUME	662739.569	4271470.450	62.62
LOCATION	L0160209	VOLUME	662739.781	4271461.853	62.78
LOCATION	L0160210	VOLUME	662739.993	4271453.256	62.94
LOCATION	L0160211	VOLUME	662740.204	4271444.658	63.10
LOCATION	L0160212	VOLUME	662740.416	4271436.061	63.29
LOCATION	L0160213	VOLUME	662740.628	4271427.463	63.50
LOCATION	L0160214	VOLUME	662740.840	4271418.866	63.72
LOCATION	L0160215	VOLUME	662741.051	4271410.269	63.94
LOCATION	L0160216	VOLUME	662741.263	4271401.671	64.27
LOCATION	L0160217	VOLUME	662741.475	4271393.074	64.61
LOCATION	L0160218	VOLUME	662741.687	4271384.476	64.95
LOCATION	L0160219	VOLUME	662741.898	4271375.879	65.32
LOCATION	L0160220	VOLUME	662742.110	4271367.282	65.74
LOCATION	L0160221	VOLUME	662742.322	4271358.684	66.17
LOCATION	L0160222	VOLUME	662742.534	4271350.087	66.59
LOCATION	L0160223	VOLUME	662742.745	4271341.489	67.08
LOCATION	L0160224	VOLUME	662742.957	4271332.892	67.60
LOCATION	L0160225	VOLUME	662743.169	4271324.295	68.12
LOCATION	L0160226	VOLUME	662743.381	4271315.697	68.63
LOCATION	L0160227	VOLUME	662743.592	4271307.100	69.13
LOCATION	L0160228	VOLUME	662743.804	4271298.503	69.63
LOCATION	L0160229	VOLUME	662744.016	4271289.905	70.13
LOCATION	L0160230	VOLUME	662744.228	4271281.308	70.57
LOCATION	L0160231	VOLUME	662744.439	4271272.710	70.96
LOCATION	L0160232	VOLUME	662744.651	4271264.113	71.36
LOCATION	L0160233	VOLUME	662744.863	4271255.516	71.75
LOCATION	L0160234	VOLUME	662745.075	4271246.918	71.91
LOCATION	L0160235	VOLUME	662745.286	4271238.321	72.06
LOCATION	L0160236	VOLUME	662745.498	4271229.723	72.21
LOCATION	L0160237	VOLUME	662745.710	4271221.126	72.33
LOCATION	L0160238	VOLUME	662745.922	4271212.529	72.39
LOCATION	L0160239	VOLUME	662746.134	4271203.931	72.46
LOCATION	L0160240	VOLUME	662746.345	4271195.334	72.52
LOCATION	L0160241	VOLUME	662746.557	4271186.736	72.68
LOCATION	L0160242	VOLUME	662746.769	4271178.139	72.86
LOCATION	L0160243	VOLUME	662746.981	4271169.542	73.05
LOCATION	L0160244	VOLUME	662747.192	4271160.944	73.22

LOCATION	L0160245	VOLUME	662747.404	4271152.347	73.34
LOCATION	L0160246	VOLUME	662747.616	4271143.749	73.45
LOCATION	L0160247	VOLUME	662747.828	4271135.152	73.57
LOCATION	L0160248	VOLUME	662748.039	4271126.555	73.66
LOCATION	L0160249	VOLUME	662748.251	4271117.957	73.73
LOCATION	L0160250	VOLUME	662748.463	4271109.360	73.81
LOCATION	L0160251	VOLUME	662748.675	4271100.762	73.89
LOCATION	L0160252	VOLUME	662748.886	4271092.165	73.69
LOCATION	L0160253	VOLUME	662749.098	4271083.568	73.49
LOCATION	L0160254	VOLUME	662749.310	4271074.970	73.29
LOCATION	L0160255	VOLUME	662749.522	4271066.373	73.04
LOCATION	L0160256	VOLUME	662749.733	4271057.776	72.74
LOCATION	L0160257	VOLUME	662749.945	4271049.178	72.44
LOCATION	L0160258	VOLUME	662750.157	4271040.581	72.13
LOCATION	L0160259	VOLUME	662750.369	4271031.983	71.92
LOCATION	L0160260	VOLUME	662750.580	4271023.386	71.72
LOCATION	L0160261	VOLUME	662750.792	4271014.789	71.52
LOCATION	L0160262	VOLUME	662751.004	4271006.191	71.33
LOCATION	L0160263	VOLUME	662751.216	4270997.594	71.15
LOCATION	L0160264	VOLUME	662751.427	4270988.996	70.98
LOCATION	L0160265	VOLUME	662751.639	4270980.399	70.81
LOCATION	L0160266	VOLUME	662751.851	4270971.802	70.81
LOCATION	L0160267	VOLUME	662752.063	4270963.204	70.89
LOCATION	L0160268	VOLUME	662752.275	4270954.607	70.98
LOCATION	L0160269	VOLUME	662752.486	4270946.009	71.11
LOCATION	L0160270	VOLUME	662752.698	4270937.412	71.84
LOCATION	L0160271	VOLUME	662752.910	4270928.815	72.56
LOCATION	L0160272	VOLUME	662753.122	4270920.217	73.29
LOCATION	L0160273	VOLUME	662753.333	4270911.620	73.85
LOCATION	L0160274	VOLUME	662753.545	4270903.022	74.25
LOCATION	L0160275	VOLUME	662753.757	4270894.425	74.65
LOCATION	L0160276	VOLUME	662753.969	4270885.828	75.04
LOCATION	L0160277	VOLUME	662754.180	4270877.230	74.98
LOCATION	L0160278	VOLUME	662754.392	4270868.633	74.88
LOCATION	L0160279	VOLUME	662754.604	4270860.036	74.78
LOCATION	L0160280	VOLUME	662754.816	4270851.438	74.65
LOCATION	L0160281	VOLUME	662755.027	4270842.841	74.46
LOCATION	L0160282	VOLUME	662755.239	4270834.243	74.26
LOCATION	L0160283	VOLUME	662755.451	4270825.646	74.07
LOCATION	L0160284	VOLUME	662755.663	4270817.049	73.91
LOCATION	L0160285	VOLUME	662755.874	4270808.451	73.76
LOCATION	L0160286	VOLUME	662756.086	4270799.854	73.61
LOCATION	L0160287	VOLUME	662756.298	4270791.256	73.41
LOCATION	L0160288	VOLUME	662756.510	4270782.659	72.99
LOCATION	L0160289	VOLUME	662756.721	4270774.062	72.57
LOCATION	L0160290	VOLUME	662756.933	4270765.464	72.14
LOCATION	L0160291	VOLUME	662757.145	4270756.867	71.43
LOCATION	L0160292	VOLUME	662757.357	4270748.269	70.50
LOCATION	L0160293	VOLUME	662757.568	4270739.672	69.56
LOCATION	L0160294	VOLUME	662757.780	4270731.075	68.63

LOCATION	L0160295	VOLUME	662757.992	4270722.477	67.76
LOCATION	L0160296	VOLUME	662758.204	4270713.880	66.88
LOCATION	L0160297	VOLUME	662758.415	4270705.282	66.01
LOCATION	L0160298	VOLUME	662758.627	4270696.685	65.44
LOCATION	L0160299	VOLUME	662758.839	4270688.088	65.33
LOCATION	L0160300	VOLUME	662759.051	4270679.490	65.21
LOCATION	L0160301	VOLUME	662759.263	4270670.893	65.10
LOCATION	L0160302	VOLUME	662759.474	4270662.295	65.71
LOCATION	L0160303	VOLUME	662759.686	4270653.698	66.48
LOCATION	L0160304	VOLUME	662759.898	4270645.101	67.26
LOCATION	L0160305	VOLUME	662760.110	4270636.503	67.95
LOCATION	L0160306	VOLUME	662760.321	4270627.906	68.37
LOCATION	L0160307	VOLUME	662760.533	4270619.309	68.79
LOCATION	L0160308	VOLUME	662760.745	4270610.711	69.21
LOCATION	L0160309	VOLUME	662760.957	4270602.114	69.41
LOCATION	L0160310	VOLUME	662761.168	4270593.516	69.49
LOCATION	L0160311	VOLUME	662761.623	4270585.149	69.57
LOCATION	L0160312	VOLUME	662770.195	4270584.457	69.68
LOCATION	L0160313	VOLUME	662778.767	4270583.766	69.76
LOCATION	L0160314	VOLUME	662787.340	4270583.075	69.28
LOCATION	L0160315	VOLUME	662795.912	4270582.383	68.81
LOCATION	L0160316	VOLUME	662804.484	4270581.692	68.40
LOCATION	L0160317	VOLUME	662813.056	4270581.001	68.15
LOCATION	L0160318	VOLUME	662821.628	4270580.310	67.90
LOCATION	L0160319	VOLUME	662830.200	4270579.618	67.77
LOCATION	L0160320	VOLUME	662838.773	4270578.927	67.82
LOCATION	L0160321	VOLUME	662847.345	4270578.236	67.85
LOCATION	L0160322	VOLUME	662855.917	4270577.544	67.96
LOCATION	L0160323	VOLUME	662864.489	4270576.853	68.11
LOCATION	L0160324	VOLUME	662873.061	4270576.162	68.25
LOCATION	L0160325	VOLUME	662881.633	4270575.470	68.44
LOCATION	L0160326	VOLUME	662890.206	4270574.779	68.64
LOCATION	L0160327	VOLUME	662898.778	4270574.088	68.83
LOCATION	L0160328	VOLUME	662907.350	4270573.397	69.06
LOCATION	L0160329	VOLUME	662915.922	4270572.705	69.29
LOCATION	L0160330	VOLUME	662924.494	4270572.014	69.52
LOCATION	L0160331	VOLUME	662933.066	4270571.323	69.80
LOCATION	L0160332	VOLUME	662941.639	4270570.631	70.08
LOCATION	L0160333	VOLUME	662950.211	4270569.940	70.35
LOCATION	L0160334	VOLUME	662958.783	4270569.249	70.61
LOCATION	L0160335	VOLUME	662967.355	4270568.557	70.87
LOCATION	L0160336	VOLUME	662975.927	4270567.866	71.15
LOCATION	L0160337	VOLUME	662984.499	4270567.175	71.45
LOCATION	L0160338	VOLUME	662993.072	4270566.483	71.75
LOCATION	L0160339	VOLUME	663001.644	4270565.792	72.01
LOCATION	L0160340	VOLUME	663010.216	4270565.101	72.24
LOCATION	L0160341	VOLUME	663018.788	4270564.410	72.48
LOCATION	L0160342	VOLUME	663027.360	4270563.718	72.49
LOCATION	L0160343	VOLUME	663035.932	4270563.027	72.46
LOCATION	L0160344	VOLUME	663044.505	4270562.336	72.43

LOCATION	L0160345	VOLUME	663053.077	4270561.644	72.05
LOCATION	L0160346	VOLUME	663061.649	4270560.953	71.66
LOCATION	L0160347	VOLUME	663070.221	4270560.262	71.28
LOCATION	L0160348	VOLUME	663078.793	4270559.570	70.78
LOCATION	L0160349	VOLUME	663087.366	4270558.879	70.28
LOCATION	L0160350	VOLUME	663095.938	4270558.188	69.75
LOCATION	L0160351	VOLUME	663104.510	4270557.497	69.14
LOCATION	L0160352	VOLUME	663113.082	4270556.805	68.51
LOCATION	L0160353	VOLUME	663121.654	4270556.114	67.94
LOCATION	L0160354	VOLUME	663130.226	4270555.423	67.44
LOCATION	L0160355	VOLUME	663138.799	4270554.731	66.93
LOCATION	L0160356	VOLUME	663147.371	4270554.040	67.12
LOCATION	L0160357	VOLUME	663155.943	4270553.349	67.72
LOCATION	L0160358	VOLUME	663164.515	4270552.657	68.31
LOCATION	L0160359	VOLUME	663169.640	4270555.292	68.84
LOCATION	L0160360	VOLUME	663168.642	4270563.834	69.09
LOCATION	L0160361	VOLUME	663167.645	4270572.376	69.33
LOCATION	L0160362	VOLUME	663166.647	4270580.918	69.56
LOCATION	L0160363	VOLUME	663165.650	4270589.460	69.80
LOCATION	L0160364	VOLUME	663164.652	4270598.002	70.09
LOCATION	L0160365	VOLUME	663163.654	4270606.544	70.39
LOCATION	L0160366	VOLUME	663162.657	4270615.086	70.69
LOCATION	L0160367	VOLUME	663161.659	4270623.628	70.95
LOCATION	L0160368	VOLUME	663160.662	4270632.170	71.22
LOCATION	L0160369	VOLUME	663159.664	4270640.712	71.51
LOCATION	L0160370	VOLUME	663158.666	4270649.253	71.81
LOCATION	L0160371	VOLUME	663157.669	4270657.795	72.11
LOCATION	L0160372	VOLUME	663156.671	4270666.337	72.43
LOCATION	L0160373	VOLUME	663155.674	4270674.879	72.77
LOCATION	L0160374	VOLUME	663154.676	4270683.421	73.09
LOCATION	L0160375	VOLUME	663153.678	4270691.963	73.41
LOCATION	L0160376	VOLUME	663152.681	4270700.505	73.74
LOCATION	L0160377	VOLUME	663151.683	4270709.047	74.09
LOCATION	L0160378	VOLUME	663150.686	4270717.589	74.50
LOCATION	L0160379	VOLUME	663149.688	4270726.131	74.92
LOCATION	L0160380	VOLUME	663148.690	4270734.673	75.34
LOCATION	L0160381	VOLUME	663147.693	4270743.215	75.77
LOCATION	L0160382	VOLUME	663146.695	4270751.757	76.19
LOCATION	L0160383	VOLUME	663145.698	4270760.299	76.62
LOCATION	L0160384	VOLUME	663144.700	4270768.841	77.06
LOCATION	L0160385	VOLUME	663143.702	4270777.383	77.35
LOCATION	L0160386	VOLUME	663142.705	4270785.925	77.64
LOCATION	L0160387	VOLUME	663141.707	4270794.467	77.95
LOCATION	L0160388	VOLUME	663140.710	4270803.008	78.14
LOCATION	L0160389	VOLUME	663139.712	4270811.550	78.01
LOCATION	L0160390	VOLUME	663138.714	4270820.092	77.93
LOCATION	L0160391	VOLUME	663137.717	4270828.634	77.88
LOCATION	L0160392	VOLUME	663136.719	4270837.176	77.89
LOCATION	L0160393	VOLUME	663135.722	4270845.718	77.92
LOCATION	L0160394	VOLUME	663134.724	4270854.260	77.97

LOCATION	L0160395	VOLUME	663133.726	4270862.802	78.08
LOCATION	L0160396	VOLUME	663132.729	4270871.344	78.43
LOCATION	L0160397	VOLUME	663131.731	4270879.886	78.78
LOCATION	L0160398	VOLUME	663130.734	4270888.428	79.12
LOCATION	L0160399	VOLUME	663129.736	4270896.970	79.20
LOCATION	L0160400	VOLUME	663128.738	4270905.512	78.97
LOCATION	L0160401	VOLUME	663127.741	4270914.054	78.69
LOCATION	L0160402	VOLUME	663126.743	4270922.596	78.37
LOCATION	L0160403	VOLUME	663125.746	4270931.138	76.70
LOCATION	L0160404	VOLUME	663124.748	4270939.680	74.86
LOCATION	L0160405	VOLUME	663123.750	4270948.221	72.99
LOCATION	L0160406	VOLUME	663122.753	4270956.763	71.18
LOCATION	L0160407	VOLUME	663121.755	4270965.305	69.60
LOCATION	L0160408	VOLUME	663120.758	4270973.847	68.02
LOCATION	L0160409	VOLUME	663119.760	4270982.389	66.43
LOCATION	L0160410	VOLUME	663118.762	4270990.931	65.42
LOCATION	L0160411	VOLUME	663117.765	4270999.473	64.67
LOCATION	L0160412	VOLUME	663116.767	4271008.015	63.91
LOCATION	L0160413	VOLUME	663115.770	4271016.557	63.19
LOCATION	L0160414	VOLUME	663114.772	4271025.099	63.03
LOCATION	L0160415	VOLUME	663113.774	4271033.641	62.87
LOCATION	L0160416	VOLUME	663112.777	4271042.183	62.72
LOCATION	L0160417	VOLUME	663111.779	4271050.725	62.89
LOCATION	L0160418	VOLUME	663110.782	4271059.267	63.39
LOCATION	L0160419	VOLUME	663109.784	4271067.809	63.89
LOCATION	L0160420	VOLUME	663108.786	4271076.351	64.39
LOCATION	L0160421	VOLUME	663107.789	4271084.893	65.13
LOCATION	L0160422	VOLUME	663106.791	4271093.435	65.91
LOCATION	L0160423	VOLUME	663105.794	4271101.976	66.67
LOCATION	L0160424	VOLUME	663104.796	4271110.518	67.49
LOCATION	L0160425	VOLUME	663103.798	4271119.060	68.45
LOCATION	L0160426	VOLUME	663102.801	4271127.602	69.40
LOCATION	L0160427	VOLUME	663101.803	4271136.144	70.37
LOCATION	L0160428	VOLUME	663100.806	4271144.686	71.29
LOCATION	L0160429	VOLUME	663099.808	4271153.228	72.20
LOCATION	L0160430	VOLUME	663098.810	4271161.770	73.13
LOCATION	L0160431	VOLUME	663097.813	4271170.312	74.02
LOCATION	L0160432	VOLUME	663096.815	4271178.854	74.50
LOCATION	L0160433	VOLUME	663095.818	4271187.396	75.00
LOCATION	L0160434	VOLUME	663094.820	4271195.938	75.52
LOCATION	L0160435	VOLUME	663093.822	4271204.480	75.85
LOCATION	L0160436	VOLUME	663092.825	4271213.022	75.95
LOCATION	L0160437	VOLUME	663091.827	4271221.564	76.06
LOCATION	L0160438	VOLUME	663090.830	4271230.106	76.16
LOCATION	L0160439	VOLUME	663089.832	4271238.648	76.20
LOCATION	L0160440	VOLUME	663088.834	4271247.190	76.22
LOCATION	L0160441	VOLUME	663087.837	4271255.731	76.21
LOCATION	L0160442	VOLUME	663086.839	4271264.273	76.24
LOCATION	L0160443	VOLUME	663085.842	4271272.815	76.38
LOCATION	L0160444	VOLUME	663084.844	4271281.357	76.49

LOCATION	L0160445	VOLUME	663083.846	4271289.899	76.58
LOCATION	L0160446	VOLUME	663082.849	4271298.441	76.71
LOCATION	L0160447	VOLUME	663081.851	4271306.983	76.84
LOCATION	L0160448	VOLUME	663080.854	4271315.525	76.94
LOCATION	L0160449	VOLUME	663079.856	4271324.067	77.01
LOCATION	L0160450	VOLUME	663078.858	4271332.609	77.09
LOCATION	L0160451	VOLUME	663077.861	4271341.151	77.17
LOCATION	L0160452	VOLUME	663076.863	4271349.693	77.23
LOCATION	L0160453	VOLUME	663075.866	4271358.235	77.24
LOCATION	L0160454	VOLUME	663074.868	4271366.777	77.21
LOCATION	L0160455	VOLUME	663073.870	4271375.319	77.21
LOCATION	L0160456	VOLUME	663072.873	4271383.861	77.22
LOCATION	L0160457	VOLUME	663071.875	4271392.403	76.89
LOCATION	L0160458	VOLUME	663070.878	4271400.944	76.53
LOCATION	L0160459	VOLUME	663069.880	4271409.486	76.19
LOCATION	L0160460	VOLUME	663068.882	4271418.028	75.87
LOCATION	L0160461	VOLUME	663067.885	4271426.570	75.54
LOCATION	L0160462	VOLUME	663066.887	4271435.112	75.23
LOCATION	L0160463	VOLUME	663065.890	4271443.654	74.94
LOCATION	L0160464	VOLUME	663064.892	4271452.196	75.10
LOCATION	L0160465	VOLUME	663060.964	4271459.489	75.55
LOCATION	L0160466	VOLUME	663055.491	4271466.123	75.96
LOCATION	L0160467	VOLUME	663050.019	4271472.756	76.21
LOCATION	L0160468	VOLUME	663044.546	4271479.390	75.92
LOCATION	L0160469	VOLUME	663039.073	4271486.024	75.54
LOCATION	L0160470	VOLUME	663033.600	4271492.658	75.16
LOCATION	L0160471	VOLUME	663028.127	4271499.292	74.76
LOCATION	L0160472	VOLUME	663022.654	4271505.925	74.26
LOCATION	L0160473	VOLUME	663017.181	4271512.559	73.52
LOCATION	L0160474	VOLUME	663011.708	4271519.193	72.77
LOCATION	L0160475	VOLUME	663006.235	4271525.827	72.06
LOCATION	L0160476	VOLUME	663000.762	4271532.461	71.41
LOCATION	L0160477	VOLUME	662995.290	4271539.094	70.96
LOCATION	L0160478	VOLUME	662989.817	4271545.728	70.76
LOCATION	L0160479	VOLUME	662984.344	4271552.362	70.62
LOCATION	L0160480	VOLUME	662978.871	4271558.996	70.55
LOCATION	L0160481	VOLUME	662973.398	4271565.630	70.56
LOCATION	L0160482	VOLUME	662967.925	4271572.264	70.56
LOCATION	L0160483	VOLUME	662962.452	4271578.897	70.55
LOCATION	L0160484	VOLUME	662956.979	4271585.531	70.54
LOCATION	L0160485	VOLUME	662951.506	4271592.165	70.55
LOCATION	L0160486	VOLUME	662946.034	4271598.799	70.39
LOCATION	L0160487	VOLUME	662940.561	4271605.433	69.82
LOCATION	L0160488	VOLUME	662935.088	4271612.066	69.27
LOCATION	L0160489	VOLUME	662929.615	4271618.700	68.74
LOCATION	L0160490	VOLUME	662924.142	4271625.334	68.24
LOCATION	L0160491	VOLUME	662918.669	4271631.968	67.75
LOCATION	L0160492	VOLUME	662913.196	4271638.602	67.25
LOCATION	L0160493	VOLUME	662907.723	4271645.235	66.76
LOCATION	L0160494	VOLUME	662902.250	4271651.869	66.28

LOCATION	L0160495	VOLUME	662896.778	4271658.503	65.84
LOCATION	L0160496	VOLUME	662891.305	4271665.137	65.76
LOCATION	L0160497	VOLUME	662885.832	4271671.771	65.72
LOCATION	L0160498	VOLUME	662880.359	4271678.405	65.69
LOCATION	L0160499	VOLUME	662874.886	4271685.038	65.66
LOCATION	L0160500	VOLUME	662869.413	4271691.672	65.59
LOCATION	L0160501	VOLUME	662863.940	4271698.306	65.54
LOCATION	L0160502	VOLUME	662858.467	4271704.940	65.49
LOCATION	L0160503	VOLUME	662852.994	4271711.574	65.43
LOCATION	L0160504	VOLUME	662847.521	4271718.207	65.32
LOCATION	L0160505	VOLUME	662847.265	4271710.913	65.11
LOCATION	L0160506	VOLUME	662847.495	4271702.316	64.90
LOCATION	L0160507	VOLUME	662847.726	4271693.719	64.68
LOCATION	L0160508	VOLUME	662847.957	4271685.122	64.53
LOCATION	L0160509	VOLUME	662848.188	4271676.525	64.47
LOCATION	L0160510	VOLUME	662848.418	4271667.928	64.41
LOCATION	L0160511	VOLUME	662848.649	4271659.331	64.35
LOCATION	L0160512	VOLUME	662848.880	4271650.735	64.68
LOCATION	L0160513	VOLUME	662849.111	4271642.138	65.08
LOCATION	L0160514	VOLUME	662849.342	4271633.541	65.48
LOCATION	L0160515	VOLUME	662849.572	4271624.944	65.90
LOCATION	L0160516	VOLUME	662849.803	4271616.347	66.35
LOCATION	L0160517	VOLUME	662850.034	4271607.750	66.81
LOCATION	L0160518	VOLUME	662850.265	4271599.153	67.26
LOCATION	L0160519	VOLUME	662850.496	4271590.556	67.43
LOCATION	L0160520	VOLUME	662850.726	4271581.959	67.46
LOCATION	L0160521	VOLUME	662850.957	4271573.362	67.48
LOCATION	L0160522	VOLUME	662851.188	4271564.765	67.48
LOCATION	L0160523	VOLUME	662851.419	4271556.169	67.17
LOCATION	L0160524	VOLUME	662851.650	4271547.572	66.86
LOCATION	L0160525	VOLUME	662851.880	4271538.975	66.55
LOCATION	L0160526	VOLUME	662852.111	4271530.378	66.19
LOCATION	L0160527	VOLUME	662852.342	4271521.781	65.76
LOCATION	L0160528	VOLUME	662852.573	4271513.184	65.33
LOCATION	L0160529	VOLUME	662852.803	4271504.587	64.91
LOCATION	L0160530	VOLUME	662853.034	4271495.990	65.17
LOCATION	L0160531	VOLUME	662853.265	4271487.393	65.50
LOCATION	L0160532	VOLUME	662853.496	4271478.796	65.82
LOCATION	L0160533	VOLUME	662853.727	4271470.200	66.23
LOCATION	L0160534	VOLUME	662853.957	4271461.603	66.82
LOCATION	L0160535	VOLUME	662854.188	4271453.006	67.40
LOCATION	L0160536	VOLUME	662854.419	4271444.409	67.99
LOCATION	L0160537	VOLUME	662854.650	4271435.812	68.42
LOCATION	L0160538	VOLUME	662854.881	4271427.215	68.81
LOCATION	L0160539	VOLUME	662855.111	4271418.618	69.19
LOCATION	L0160540	VOLUME	662855.342	4271410.021	69.55
LOCATION	L0160541	VOLUME	662855.573	4271401.424	69.79
LOCATION	L0160542	VOLUME	662855.804	4271392.827	70.02
LOCATION	L0160543	VOLUME	662856.035	4271384.231	70.25
LOCATION	L0160544	VOLUME	662856.265	4271375.634	70.48



LOCATION	L0160545	VOLUME	662856.496	4271367.037	70.71
LOCATION	L0160546	VOLUME	662856.727	4271358.440	70.93
LOCATION	L0160547	VOLUME	662856.958	4271349.843	71.16
LOCATION	L0160548	VOLUME	662857.188	4271341.246	71.63
LOCATION	L0160549	VOLUME	662857.419	4271332.649	72.11
LOCATION	L0160550	VOLUME	662857.650	4271324.052	72.58
LOCATION	L0160551	VOLUME	662857.881	4271315.455	73.15
LOCATION	L0160552	VOLUME	662858.112	4271306.858	73.85
LOCATION	L0160553	VOLUME	662858.342	4271298.262	74.56
LOCATION	L0160554	VOLUME	662858.573	4271289.665	75.26
LOCATION	L0160555	VOLUME	662858.804	4271281.068	75.98
LOCATION	L0160556	VOLUME	662859.035	4271272.471	76.71
LOCATION	L0160557	VOLUME	662859.266	4271263.874	77.44
LOCATION	L0160558	VOLUME	662859.496	4271255.277	78.00
LOCATION	L0160559	VOLUME	662859.727	4271246.680	77.99
LOCATION	L0160560	VOLUME	662859.958	4271238.083	77.97
LOCATION	L0160561	VOLUME	662860.189	4271229.486	77.96
LOCATION	L0160562	VOLUME	662860.420	4271220.889	77.70
LOCATION	L0160563	VOLUME	662860.650	4271212.292	77.31
LOCATION	L0160564	VOLUME	662860.881	4271203.696	76.92
LOCATION	L0160565	VOLUME	662861.112	4271195.099	76.55
LOCATION	L0160566	VOLUME	662861.343	4271186.502	76.43
LOCATION	L0160567	VOLUME	662861.573	4271177.905	76.31
LOCATION	L0160568	VOLUME	662861.804	4271169.308	76.18
LOCATION	L0160569	VOLUME	662862.035	4271160.711	76.19
LOCATION	L0160570	VOLUME	662862.266	4271152.114	76.33
LOCATION	L0160571	VOLUME	662862.497	4271143.517	76.47
LOCATION	L0160572	VOLUME	662862.727	4271134.920	76.61
LOCATION	L0160573	VOLUME	662862.958	4271126.323	76.64
LOCATION	L0160574	VOLUME	662863.189	4271117.727	76.66
LOCATION	L0160575	VOLUME	662863.420	4271109.130	76.67
LOCATION	L0160576	VOLUME	662863.651	4271100.533	76.73
LOCATION	L0160577	VOLUME	662863.881	4271091.936	76.91
LOCATION	L0160578	VOLUME	662864.112	4271083.339	77.09
LOCATION	L0160579	VOLUME	662864.343	4271074.742	77.26
LOCATION	L0160580	VOLUME	662864.574	4271066.145	77.53
LOCATION	L0160581	VOLUME	662864.805	4271057.548	77.82
LOCATION	L0160582	VOLUME	662865.035	4271048.951	78.12
LOCATION	L0160583	VOLUME	662865.266	4271040.354	78.39
LOCATION	L0160584	VOLUME	662865.497	4271031.758	78.44
LOCATION	L0160585	VOLUME	662865.728	4271023.161	78.49
LOCATION	L0160586	VOLUME	662865.958	4271014.564	78.55
LOCATION	L0160587	VOLUME	662866.189	4271005.967	78.35
LOCATION	L0160588	VOLUME	662866.420	4270997.370	77.93
LOCATION	L0160589	VOLUME	662866.651	4270988.773	77.51
LOCATION	L0160590	VOLUME	662866.882	4270980.176	77.10
LOCATION	L0160591	VOLUME	662867.112	4270971.579	76.71
LOCATION	L0160592	VOLUME	662867.343	4270962.982	76.33
LOCATION	L0160593	VOLUME	662867.574	4270954.385	75.94
LOCATION	L0160594	VOLUME	662867.805	4270945.788	75.59

LOCATION	L0160595	VOLUME	662868.036	4270937.192	75.29
LOCATION	L0160596	VOLUME	662868.266	4270928.595	74.99
LOCATION	L0160597	VOLUME	662868.497	4270919.998	74.69
LOCATION	L0160598	VOLUME	662868.728	4270911.401	74.43
LOCATION	L0160599	VOLUME	662868.959	4270902.804	74.17
LOCATION	L0160600	VOLUME	662869.190	4270894.207	73.92
LOCATION	L0160601	VOLUME	662869.420	4270885.610	73.67
LOCATION	L0160602	VOLUME	662869.651	4270877.013	73.39
LOCATION	L0160603	VOLUME	662869.882	4270868.416	73.12
LOCATION	L0160604	VOLUME	662870.113	4270859.819	72.85
LOCATION	L0160605	VOLUME	662870.343	4270851.223	72.58
LOCATION	L0160606	VOLUME	662870.574	4270842.626	72.32
LOCATION	L0160607	VOLUME	662870.805	4270834.029	72.05
LOCATION	L0160608	VOLUME	662871.036	4270825.432	71.78
LOCATION	L0160609	VOLUME	662871.267	4270816.835	71.49
LOCATION	L0160610	VOLUME	662871.497	4270808.238	71.20
LOCATION	L0160611	VOLUME	662871.728	4270799.641	70.90
LOCATION	L0160612	VOLUME	662871.959	4270791.044	70.64
LOCATION	L0160613	VOLUME	662872.190	4270782.447	70.41
LOCATION	L0160614	VOLUME	662872.421	4270773.850	70.19
LOCATION	L0160615	VOLUME	662872.651	4270765.254	69.96
LOCATION	L0160616	VOLUME	662872.882	4270756.657	69.82
LOCATION	L0160617	VOLUME	662873.113	4270748.060	69.70
LOCATION	L0160618	VOLUME	662873.344	4270739.463	69.58
LOCATION	L0160619	VOLUME	662879.221	4270735.746	69.99
LOCATION	L0160620	VOLUME	662887.694	4270734.273	70.67
LOCATION	L0160621	VOLUME	662896.167	4270732.799	71.36
LOCATION	L0160622	VOLUME	662904.640	4270731.325	72.29
LOCATION	L0160623	VOLUME	662913.112	4270729.852	73.24
LOCATION	L0160624	VOLUME	662921.585	4270728.378	74.22
LOCATION	L0160625	VOLUME	662930.058	4270726.905	75.32
LOCATION	L0160626	VOLUME	662938.531	4270725.431	76.43
LOCATION	L0160627	VOLUME	662947.004	4270723.958	77.47
LOCATION	L0160628	VOLUME	662955.476	4270722.484	78.28
LOCATION	L0160629	VOLUME	662963.949	4270721.011	79.09
LOCATION	L0160630	VOLUME	662972.422	4270719.537	79.75
LOCATION	L0160631	VOLUME	662980.895	4270718.064	80.19
LOCATION	L0160632	VOLUME	662989.368	4270716.590	80.62
LOCATION	L0160633	VOLUME	662997.841	4270715.117	80.79
LOCATION	L0160634	VOLUME	663006.313	4270713.643	80.74
LOCATION	L0160635	VOLUME	663014.786	4270712.170	80.67
LOCATION	L0160636	VOLUME	663023.259	4270710.696	80.28
LOCATION	L0160637	VOLUME	663024.436	4270717.199	80.40
LOCATION	L0160638	VOLUME	663023.722	4270725.769	80.69
LOCATION	L0160639	VOLUME	663023.008	4270734.339	80.97
LOCATION	L0160640	VOLUME	663022.293	4270742.910	81.05
LOCATION	L0160641	VOLUME	663021.579	4270751.480	81.07
LOCATION	L0160642	VOLUME	663020.865	4270760.050	81.07
LOCATION	L0160643	VOLUME	663020.151	4270768.620	81.00
LOCATION	L0160644	VOLUME	663019.437	4270777.191	80.67

LOCATION	L0160645	VOLUME	663018.723	4270785.761	80.32
LOCATION	L0160646	VOLUME	663018.008	4270794.331	79.95
LOCATION	L0160647	VOLUME	663017.294	4270802.902	79.65
LOCATION	L0160648	VOLUME	663016.580	4270811.472	79.42
LOCATION	L0160649	VOLUME	663015.866	4270820.042	79.18
LOCATION	L0160650	VOLUME	663015.152	4270828.612	78.94
LOCATION	L0160651	VOLUME	663014.437	4270837.183	78.79
LOCATION	L0160652	VOLUME	663013.723	4270845.753	78.65
LOCATION	L0160653	VOLUME	663013.009	4270854.323	78.51
LOCATION	L0160654	VOLUME	663012.295	4270862.894	78.26
LOCATION	L0160655	VOLUME	663011.581	4270871.464	77.84
LOCATION	L0160656	VOLUME	663010.866	4270880.034	77.43
LOCATION	L0160657	VOLUME	663010.152	4270888.605	77.03
LOCATION	L0160658	VOLUME	663009.438	4270897.175	76.36
LOCATION	L0160659	VOLUME	663008.724	4270905.745	75.65
LOCATION	L0160660	VOLUME	663008.010	4270914.315	74.94
LOCATION	L0160661	VOLUME	663007.295	4270922.886	74.24
LOCATION	L0160662	VOLUME	663006.581	4270931.456	73.58
LOCATION	L0160663	VOLUME	663005.867	4270940.026	72.94
LOCATION	L0160664	VOLUME	663005.153	4270948.597	72.33
LOCATION	L0160665	VOLUME	663004.439	4270957.167	71.93
LOCATION	L0160666	VOLUME	663003.725	4270965.737	71.69
LOCATION	L0160667	VOLUME	663003.010	4270974.307	71.46
LOCATION	L0160668	VOLUME	663002.296	4270982.878	71.24
LOCATION	L0160669	VOLUME	663001.582	4270991.448	70.89
LOCATION	L0160670	VOLUME	663000.868	4271000.018	70.53
LOCATION	L0160671	VOLUME	663000.154	4271008.589	70.16
LOCATION	L0160672	VOLUME	662999.439	4271017.159	69.68
LOCATION	L0160673	VOLUME	662998.725	4271025.729	69.03
LOCATION	L0160674	VOLUME	662998.011	4271034.300	68.36
LOCATION	L0160675	VOLUME	662997.297	4271042.870	67.68
LOCATION	L0160676	VOLUME	662996.583	4271051.440	67.39
LOCATION	L0160677	VOLUME	662995.868	4271060.010	67.17
LOCATION	L0160678	VOLUME	662995.154	4271068.581	66.93
LOCATION	L0160679	VOLUME	662994.440	4271077.151	66.91
LOCATION	L0160680	VOLUME	662993.726	4271085.721	67.60
LOCATION	L0160681	VOLUME	662993.012	4271094.292	68.28
LOCATION	L0160682	VOLUME	662992.297	4271102.862	68.95
LOCATION	L0160683	VOLUME	662991.583	4271111.432	70.00
LOCATION	L0160684	VOLUME	662990.869	4271120.002	71.23
LOCATION	L0160685	VOLUME	662990.155	4271128.573	72.46
LOCATION	L0160686	VOLUME	662989.441	4271137.143	73.70
LOCATION	L0160687	VOLUME	662988.727	4271145.713	75.07
LOCATION	L0160688	VOLUME	662988.012	4271154.284	76.42
LOCATION	L0160689	VOLUME	662987.298	4271162.854	77.75
LOCATION	L0160690	VOLUME	662986.584	4271171.424	78.64
LOCATION	L0160691	VOLUME	662985.870	4271179.995	79.04
LOCATION	L0160692	VOLUME	662985.156	4271188.565	79.42
LOCATION	L0160693	VOLUME	662984.441	4271197.135	79.79
LOCATION	L0160694	VOLUME	662983.727	4271205.705	79.74

LOCATION	L0160695	VOLUME	662983.013	4271214.276	79.64
LOCATION	L0160696	VOLUME	662982.299	4271222.846	79.54
LOCATION	L0160697	VOLUME	662981.585	4271231.416	79.43
LOCATION	L0160698	VOLUME	662980.870	4271239.987	79.27
LOCATION	L0160699	VOLUME	662980.156	4271248.557	79.13
LOCATION	L0160700	VOLUME	662979.442	4271257.127	79.01
LOCATION	L0160701	VOLUME	662978.728	4271265.697	78.79
LOCATION	L0160702	VOLUME	662978.014	4271274.268	78.53
LOCATION	L0160703	VOLUME	662977.299	4271282.838	78.28
LOCATION	L0160704	VOLUME	662976.585	4271291.408	77.99
LOCATION	L0160705	VOLUME	662975.871	4271299.979	77.29
LOCATION	L0160706	VOLUME	662975.157	4271308.549	76.59
LOCATION	L0160707	VOLUME	662974.443	4271317.119	75.90
LOCATION	L0160708	VOLUME	662973.728	4271325.690	75.07
LOCATION	L0160709	VOLUME	662973.014	4271334.260	74.12
LOCATION	L0160710	VOLUME	662972.300	4271342.830	73.17
LOCATION	L0160711	VOLUME	662971.586	4271351.400	72.23
LOCATION	L0160712	VOLUME	662970.872	4271359.971	71.69
LOCATION	L0160713	VOLUME	662970.158	4271368.541	71.18
LOCATION	L0160714	VOLUME	662969.443	4271377.111	70.66
LOCATION	L0160715	VOLUME	662968.729	4271385.682	70.28
LOCATION	L0160716	VOLUME	662968.015	4271394.252	70.20
LOCATION	L0160717	VOLUME	662967.301	4271402.822	70.09
LOCATION	L0160718	VOLUME	662966.587	4271411.392	69.96
LOCATION	L0160719	VOLUME	662965.872	4271419.963	69.83

\*\* End of LINE VOLUME Source ID = SLINE3

\*\* Source Parameters \*\*

\*\* LINE VOLUME Source ID = SLINE1

SRCPARAM	L0160720	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0160721	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0160722	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0160723	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0160724	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0160725	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0160726	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0160727	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0160728	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0160729	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0160730	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0160731	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0160732	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0160733	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0160734	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0160735	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0160736	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0160737	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0160738	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0160739	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0160740	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0160741	0.0001274697	5.00	4.00	4.65

























































































































































































































SRCPARAM	L0165542	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0165543	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0165544	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0165545	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0165546	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0165547	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0165548	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0165549	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0165550	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0165551	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0165552	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0165553	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0165554	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0165555	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0165556	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0165557	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0165558	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0165559	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0165560	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0165561	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0165562	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0165563	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0165564	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0165565	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0165566	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0165567	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0165568	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0165569	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0165570	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0165571	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0165572	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0165573	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0165574	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0165575	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0165576	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0165577	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0165578	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0165579	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0165580	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0165581	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0165582	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0165583	0.0001274697	5.00	4.00	4.65

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\*\* LINE VOLUME Source ID = SLINE2

SRCPARAM	L0157739	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157740	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157741	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157742	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157743	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157744	0.0001274697	5.00	4.00	4.65











SRCPARAM	L0157945	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157946	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157947	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157948	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157949	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157950	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157951	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157952	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157953	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157954	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157955	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157956	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157957	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157958	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157959	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157960	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157961	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157962	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157963	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157964	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157965	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157966	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157967	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157968	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157969	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157970	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157971	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157972	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157973	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157974	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157975	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157976	0.0001274697	5.00	4.00	4.65

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\*\* LINE VOLUME Source ID = SLINE3

SRCPARAM	L0157977	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157978	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157979	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157980	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157981	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157982	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157983	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157984	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157985	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157986	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157987	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157988	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157989	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157990	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157991	0.0001274697	5.00	4.00	4.65
SRCPARAM	L0157992	0.0001274697	5.00	4.00	4.65



























































































































SRCPARAM L0160693	0.0001274697	5.00	4.00	4.65
SRCPARAM L0160694	0.0001274697	5.00	4.00	4.65
SRCPARAM L0160695	0.0001274697	5.00	4.00	4.65
SRCPARAM L0160696	0.0001274697	5.00	4.00	4.65
SRCPARAM L0160697	0.0001274697	5.00	4.00	4.65
SRCPARAM L0160698	0.0001274697	5.00	4.00	4.65
SRCPARAM L0160699	0.0001274697	5.00	4.00	4.65
SRCPARAM L0160700	0.0001274697	5.00	4.00	4.65
SRCPARAM L0160701	0.0001274697	5.00	4.00	4.65
SRCPARAM L0160702	0.0001274697	5.00	4.00	4.65
SRCPARAM L0160703	0.0001274697	5.00	4.00	4.65
SRCPARAM L0160704	0.0001274697	5.00	4.00	4.65
SRCPARAM L0160705	0.0001274697	5.00	4.00	4.65
SRCPARAM L0160706	0.0001274697	5.00	4.00	4.65
SRCPARAM L0160707	0.0001274697	5.00	4.00	4.65
SRCPARAM L0160708	0.0001274697	5.00	4.00	4.65
SRCPARAM L0160709	0.0001274697	5.00	4.00	4.65
SRCPARAM L0160710	0.0001274697	5.00	4.00	4.65
SRCPARAM L0160711	0.0001274697	5.00	4.00	4.65
SRCPARAM L0160712	0.0001274697	5.00	4.00	4.65
SRCPARAM L0160713	0.0001274697	5.00	4.00	4.65
SRCPARAM L0160714	0.0001274697	5.00	4.00	4.65
SRCPARAM L0160715	0.0001274697	5.00	4.00	4.65
SRCPARAM L0160716	0.0001274697	5.00	4.00	4.65
SRCPARAM L0160717	0.0001274697	5.00	4.00	4.65
SRCPARAM L0160718	0.0001274697	5.00	4.00	4.65
SRCPARAM L0160719	0.0001274697	5.00	4.00	4.65

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SRCGROUP ALL

SO FINISHED

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\*\* AERMOD Receptor Pathway

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RE STARTING

INCLUDED "CC AERMOD.rou"

RE FINISHED

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\*\* AERMOD Meteorology Pathway

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ME STARTING

SURFFILE "..\Exec 14-18\14-18.SFC"

PROFFILE "..\Exec 14-18\14-18.PFL"

SURFDATA 23232 2014 SACRAMENTO/EXECUTIVE\_ARPT

UAIRDATA 23230 2014 OAKLAND/WSO\_AP

PROFBASE 16.0 FEET

ME FINISHED

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\*\* AERMOD Output Pathway

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\*\*

\*\*

OU STARTING

RECTABLE ALLAVE 1ST

RECTABLE 1 1ST

\*\* Auto-Generated Plotfiles

PLOTFILE 1 ALL 1ST "CC AERMOD.AD\01H1GALL.PLT" 31

PLOTFILE PERIOD ALL "CC AERMOD.AD\PE00GALL.PLT" 32

SUMMFILE "CC AERMOD.sum"

OU FINISHED

\*\*\* Message Summary For AERMOD Model Setup \*\*\*

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

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

\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*

\*\*\* NONE \*\*\*

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*

ME W186 15901 MEOPEN: THRESH\_1MIN 1-min ASOS wind speed threshold used  
0.50

ME W187 15901 MEOPEN: ADJ\_U\* Option for Stable Low Winds used in AERMET

\*\*\*\*\*

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

\*\*\*\*\*

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ\_U\*

\*\*\* MODEL SETUP OPTIONS SUMMARY

\*\*\*

---  
---  
\*\* Model Options Selected:

- \* Model Uses Regulatory DEFAULT Options
- \* Model Is Setup For Calculation of Average CONCentration Values.
- \* NO GAS DEPOSITION Data Provided.
- \* NO PARTICLE DEPOSITION Data Provided.
- \* Model Uses NO DRY DEPLETION. DDPLETE = F
- \* Model Uses NO WET DEPLETION. WETDPLT = F
- \* Stack-tip Downwash.
- \* Model Accounts for ELEVated Terrain Effects.
- \* Use Calms Processing Routine.
- \* Use Missing Data Processing Routine.
- \* No Exponential Decay.
- \* Model Uses RURAL Dispersion Only.
- \* ADJ\_U\* - Use ADJ\_U\* option for SBL in AERMET
- \* CCVR\_Sub - Meteorological data includes CCVR substitutions
- \* TEMP\_Sub - Meteorological data includes TEMP substitutions
- \* Model Accepts FLAGPOLE Receptor . Heights.
- \* The User Specified a Pollutant Type of: PM\_10

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

\*\*This Run Includes: 7845 Source(s); 1 Source Group(s); and 8  
Receptor(s)

with: 0 POINT(s), including  
0 POINTCAP(s) and 0 POINTHOR(s)  
and: 7845 VOLUME source(s)  
and: 0 AREA type source(s)  
and: 0 LINE source(s)  
and: 0 RLINE/RLINEXT source(s)  
and: 0 OPENPIT source(s)  
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)  
and: 0 SWPOINT source(s)

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

\*\*The AERMET Input Meteorological Data Version Date: 19191

\*\*Output Options Selected:

Model Outputs Tables of PERIOD Averages by Receptor  
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE  
Keyword)  
Model Outputs External File(s) of High Values for Plotting (PLOTFILE  
Keyword)

Model Outputs Separate Summary File of High Ranked Values (SUMMFILE  
Keyword)

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

Missing Hours

\*\*Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 4.88 ; Decay  
Coef. = 0.000 ; Rot. Angle = 0.0  
Emission Units = GRAMS/SEC ;  
Emission Rate Unit Factor = 0.10000E+07  
Output Units = MICROGRAMS/M\*\*3

\*\*Approximate Storage Requirements of Model = 6.8 MB of RAM.

\*\*Input Runstream File: aermod.inp

\*\*Output Print File: aermod.out

\*\*Detailed Error/Message File: CC AERMOD.err

\*\*File for Summary of Results: CC AERMOD.sum

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Creek\CC AERMOD\CC AERMOD.i \*\*\* 12/19/23  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								
L0160720		0	0.12747E-03	661970.6	4273718.1	86.1	5.00	4.00
4.65	NO							
L0160721		0	0.12747E-03	661970.8	4273709.5	85.7	5.00	4.00
4.65	NO							
L0160722		0	0.12747E-03	661971.0	4273700.9	85.4	5.00	4.00

4.65	NO							
L0160723		0	0.12747E-03	661971.2	4273692.3	85.0	5.00	4.00
4.65	NO							
L0160724		0	0.12747E-03	661971.4	4273683.7	84.7	5.00	4.00
4.65	NO							
L0160725		0	0.12747E-03	661971.6	4273675.1	84.4	5.00	4.00
4.65	NO							
L0160726		0	0.12747E-03	661971.9	4273666.5	84.4	5.00	4.00
4.65	NO							
L0160727		0	0.12747E-03	661972.1	4273657.9	84.4	5.00	4.00
4.65	NO							
L0160728		0	0.12747E-03	661972.3	4273649.3	84.3	5.00	4.00
4.65	NO							
L0160729		0	0.12747E-03	661972.5	4273640.7	84.1	5.00	4.00
4.65	NO							
L0160730		0	0.12747E-03	661972.7	4273632.1	83.8	5.00	4.00
4.65	NO							
L0160731		0	0.12747E-03	661972.9	4273623.5	83.4	5.00	4.00
4.65	NO							
L0160732		0	0.12747E-03	661973.1	4273614.9	83.0	5.00	4.00
4.65	NO							
L0160733		0	0.12747E-03	661973.3	4273606.3	82.8	5.00	4.00
4.65	NO							
L0160734		0	0.12747E-03	661973.6	4273597.7	82.6	5.00	4.00
4.65	NO							
L0160735		0	0.12747E-03	661973.8	4273589.1	82.4	5.00	4.00
4.65	NO							
L0160736		0	0.12747E-03	661974.0	4273580.5	82.3	5.00	4.00
4.65	NO							
L0160737		0	0.12747E-03	661974.2	4273571.9	82.2	5.00	4.00
4.65	NO							
L0160738		0	0.12747E-03	661974.4	4273563.3	82.2	5.00	4.00
4.65	NO							
L0160739		0	0.12747E-03	661974.6	4273554.7	82.2	5.00	4.00
4.65	NO							
L0160740		0	0.12747E-03	661974.8	4273546.1	82.2	5.00	4.00
4.65	NO							
L0160741		0	0.12747E-03	661975.0	4273537.5	82.2	5.00	4.00
4.65	NO							
L0160742		0	0.12747E-03	661975.2	4273528.9	82.2	5.00	4.00
4.65	NO							
L0160743		0	0.12747E-03	661975.5	4273520.3	82.2	5.00	4.00
4.65	NO							
L0160744		0	0.12747E-03	661975.7	4273511.7	82.2	5.00	4.00
4.65	NO							
L0160745		0	0.12747E-03	661975.9	4273503.1	82.3	5.00	4.00
4.65	NO							
L0160746		0	0.12747E-03	661976.1	4273494.5	82.3	5.00	4.00
4.65	NO							
L0160747		0	0.12747E-03	661976.3	4273485.9	82.3	5.00	4.00

4.65	NO							
L0160748		0	0.12747E-03	661976.5	4273477.3	82.1	5.00	4.00
4.65	NO							
L0160749		0	0.12747E-03	661976.7	4273468.7	82.0	5.00	4.00
4.65	NO							
L0160750		0	0.12747E-03	661976.9	4273460.1	81.8	5.00	4.00
4.65	NO							
L0160751		0	0.12747E-03	661977.1	4273451.5	81.5	5.00	4.00
4.65	NO							
L0160752		0	0.12747E-03	661977.4	4273442.9	81.1	5.00	4.00
4.65	NO							
L0160753		0	0.12747E-03	661977.6	4273434.3	80.8	5.00	4.00
4.65	NO							
L0160754		0	0.12747E-03	661977.8	4273425.7	80.5	5.00	4.00
4.65	NO							
L0160755		0	0.12747E-03	661978.0	4273417.1	80.5	5.00	4.00
4.65	NO							
L0160756		0	0.12747E-03	661978.2	4273408.6	80.4	5.00	4.00
4.65	NO							
L0160757		0	0.12747E-03	661978.4	4273400.0	80.3	5.00	4.00
4.65	NO							
L0160758		0	0.12747E-03	661978.6	4273391.4	80.3	5.00	4.00
4.65	NO							
L0160759		0	0.12747E-03	661978.8	4273382.8	80.2	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0160760		0	0.12747E-03	661979.0	4273374.2	80.1	5.00	4.00
4.65	NO							
L0160761		0	0.12747E-03	661979.3	4273365.6	79.9	5.00	4.00
4.65	NO							
L0160762		0	0.12747E-03	661979.5	4273357.0	79.7	5.00	4.00

4.65	NO							
L0160763		0	0.12747E-03	661979.7	4273348.4	79.5	5.00	4.00
4.65	NO							
L0160764		0	0.12747E-03	661979.9	4273339.8	79.2	5.00	4.00
4.65	NO							
L0160765		0	0.12747E-03	661980.1	4273331.2	79.3	5.00	4.00
4.65	NO							
L0160766		0	0.12747E-03	661980.3	4273322.6	79.7	5.00	4.00
4.65	NO							
L0160767		0	0.12747E-03	661980.5	4273314.0	80.0	5.00	4.00
4.65	NO							
L0160768		0	0.12747E-03	661980.7	4273305.4	80.3	5.00	4.00
4.65	NO							
L0160769		0	0.12747E-03	661981.0	4273296.8	79.9	5.00	4.00
4.65	NO							
L0160770		0	0.12747E-03	661981.2	4273288.2	79.5	5.00	4.00
4.65	NO							
L0160771		0	0.12747E-03	661981.4	4273279.6	79.1	5.00	4.00
4.65	NO							
L0160772		0	0.12747E-03	661981.6	4273271.0	78.5	5.00	4.00
4.65	NO							
L0160773		0	0.12747E-03	661981.8	4273262.4	77.6	5.00	4.00
4.65	NO							
L0160774		0	0.12747E-03	661982.0	4273253.8	76.8	5.00	4.00
4.65	NO							
L0160775		0	0.12747E-03	661982.2	4273245.2	76.0	5.00	4.00
4.65	NO							
L0160776		0	0.12747E-03	661982.4	4273236.6	75.3	5.00	4.00
4.65	NO							
L0160777		0	0.12747E-03	661982.6	4273228.0	74.8	5.00	4.00
4.65	NO							
L0160778		0	0.12747E-03	661982.9	4273219.4	74.2	5.00	4.00
4.65	NO							
L0160779		0	0.12747E-03	661983.1	4273210.8	73.7	5.00	4.00
4.65	NO							
L0160780		0	0.12747E-03	661983.3	4273202.2	73.4	5.00	4.00
4.65	NO							
L0160781		0	0.12747E-03	661983.5	4273193.6	73.2	5.00	4.00
4.65	NO							
L0160782		0	0.12747E-03	661983.7	4273185.0	72.9	5.00	4.00
4.65	NO							
L0160783		0	0.12747E-03	661983.9	4273176.4	72.6	5.00	4.00
4.65	NO							
L0160784		0	0.12747E-03	661984.1	4273167.8	72.2	5.00	4.00
4.65	NO							
L0160785		0	0.12747E-03	661984.3	4273159.2	71.8	5.00	4.00
4.65	NO							
L0160786		0	0.12747E-03	661984.5	4273150.6	71.5	5.00	4.00
4.65	NO							
L0160787		0	0.12747E-03	661984.8	4273142.0	71.1	5.00	4.00

4.65	NO							
L0160788		0	0.12747E-03	661985.0	4273133.4	70.8	5.00	4.00
4.65	NO							
L0160789		0	0.12747E-03	661985.2	4273124.8	70.5	5.00	4.00
4.65	NO							
L0160790		0	0.12747E-03	661985.4	4273116.2	70.2	5.00	4.00
4.65	NO							
L0160791		0	0.12747E-03	661985.6	4273107.6	69.9	5.00	4.00
4.65	NO							
L0160792		0	0.12747E-03	661985.8	4273099.0	69.6	5.00	4.00
4.65	NO							
L0160793		0	0.12747E-03	661986.0	4273090.4	69.3	5.00	4.00
4.65	NO							
L0160794		0	0.12747E-03	661986.2	4273081.9	69.0	5.00	4.00
4.65	NO							
L0160795		0	0.12747E-03	661986.4	4273073.3	68.7	5.00	4.00
4.65	NO							
L0160796		0	0.12747E-03	661986.7	4273064.7	68.5	5.00	4.00
4.65	NO							
L0160797		0	0.12747E-03	661986.9	4273056.1	68.2	5.00	4.00
4.65	NO							
L0160798		0	0.12747E-03	661987.1	4273047.5	68.1	5.00	4.00
4.65	NO							
L0160799		0	0.12747E-03	661987.3	4273038.9	67.9	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0160800		0	0.12747E-03	661987.5	4273030.3	67.7	5.00	4.00
4.65	NO							
L0160801		0	0.12747E-03	661987.7	4273021.7	67.6	5.00	4.00
4.65	NO							
L0160802		0	0.12747E-03	661987.9	4273013.1	67.5	5.00	4.00



4.65	NO							
L0160803		0	0.12747E-03	661988.1	4273004.5	67.4	5.00	4.00
4.65	NO							
L0160804		0	0.12747E-03	661988.4	4272995.9	67.3	5.00	4.00
4.65	NO							
L0160805		0	0.12747E-03	661988.6	4272987.3	67.2	5.00	4.00
4.65	NO							
L0160806		0	0.12747E-03	661988.8	4272978.7	67.1	5.00	4.00
4.65	NO							
L0160807		0	0.12747E-03	661989.0	4272970.1	67.0	5.00	4.00
4.65	NO							
L0160808		0	0.12747E-03	661989.2	4272961.5	66.9	5.00	4.00
4.65	NO							
L0160809		0	0.12747E-03	661989.4	4272952.9	66.8	5.00	4.00
4.65	NO							
L0160810		0	0.12747E-03	661989.6	4272944.3	66.7	5.00	4.00
4.65	NO							
L0160811		0	0.12747E-03	661989.8	4272935.7	66.6	5.00	4.00
4.65	NO							
L0160812		0	0.12747E-03	661990.0	4272927.1	66.5	5.00	4.00
4.65	NO							
L0160813		0	0.12747E-03	661990.3	4272918.5	66.5	5.00	4.00
4.65	NO							
L0160814		0	0.12747E-03	661981.9	4272918.2	66.4	5.00	4.00
4.65	NO							
L0160815		0	0.12747E-03	661973.3	4272918.0	66.4	5.00	4.00
4.65	NO							
L0160816		0	0.12747E-03	661964.7	4272917.9	66.5	5.00	4.00
4.65	NO							
L0160817		0	0.12747E-03	661956.1	4272917.8	66.5	5.00	4.00
4.65	NO							
L0160818		0	0.12747E-03	661947.5	4272917.6	66.8	5.00	4.00
4.65	NO							
L0160819		0	0.12747E-03	661938.9	4272917.5	67.1	5.00	4.00
4.65	NO							
L0160820		0	0.12747E-03	661930.3	4272917.4	67.5	5.00	4.00
4.65	NO							
L0160821		0	0.12747E-03	661921.7	4272917.2	68.0	5.00	4.00
4.65	NO							
L0160822		0	0.12747E-03	661913.1	4272917.1	68.5	5.00	4.00
4.65	NO							
L0160823		0	0.12747E-03	661904.5	4272917.0	69.0	5.00	4.00
4.65	NO							
L0160824		0	0.12747E-03	661895.9	4272916.8	69.3	5.00	4.00
4.65	NO							
L0160825		0	0.12747E-03	661887.3	4272916.7	69.7	5.00	4.00
4.65	NO							
L0160826		0	0.12747E-03	661878.7	4272916.6	69.9	5.00	4.00
4.65	NO							
L0160827		0	0.12747E-03	661870.1	4272916.4	70.0	5.00	4.00

4.65	NO							
L0160828		0	0.12747E-03	661861.5	4272916.3	70.0	5.00	4.00
4.65	NO							
L0160829		0	0.12747E-03	661852.9	4272916.2	70.0	5.00	4.00
4.65	NO							
L0160830		0	0.12747E-03	661844.3	4272916.0	70.0	5.00	4.00
4.65	NO							
L0160831		0	0.12747E-03	661835.7	4272915.9	69.9	5.00	4.00
4.65	NO							
L0160832		0	0.12747E-03	661827.1	4272915.8	70.0	5.00	4.00
4.65	NO							
L0160833		0	0.12747E-03	661818.5	4272915.6	70.1	5.00	4.00
4.65	NO							
L0160834		0	0.12747E-03	661809.9	4272915.5	70.2	5.00	4.00
4.65	NO							
L0160835		0	0.12747E-03	661801.3	4272915.4	70.4	5.00	4.00
4.65	NO							
L0160836		0	0.12747E-03	661792.7	4272915.2	70.6	5.00	4.00
4.65	NO							
L0160837		0	0.12747E-03	661784.1	4272915.1	70.9	5.00	4.00
4.65	NO							
L0160838		0	0.12747E-03	661775.5	4272915.0	71.2	5.00	4.00
4.65	NO							
L0160839		0	0.12747E-03	661766.9	4272914.8	71.6	5.00	4.00

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 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0160840		0	0.12747E-03	661758.3	4272914.7	72.0	5.00	4.00
4.65	NO							
L0160841		0	0.12747E-03	661749.7	4272914.6	72.6	5.00	4.00
4.65	NO							
L0160842		0	0.12747E-03	661741.1	4272914.4	73.2	5.00	4.00

4.65	NO							
L0160843		0	0.12747E-03	661732.5	4272914.3	73.9	5.00	4.00
4.65	NO							
L0160844		0	0.12747E-03	661723.9	4272914.2	74.7	5.00	4.00
4.65	NO							
L0160845		0	0.12747E-03	661715.3	4272914.0	75.5	5.00	4.00
4.65	NO							
L0160846		0	0.12747E-03	661706.7	4272913.9	76.0	5.00	4.00
4.65	NO							
L0160847		0	0.12747E-03	661698.1	4272913.8	76.6	5.00	4.00
4.65	NO							
L0160848		0	0.12747E-03	661689.5	4272913.6	77.2	5.00	4.00
4.65	NO							
L0160849		0	0.12747E-03	661680.9	4272913.5	77.7	5.00	4.00
4.65	NO							
L0160850		0	0.12747E-03	661672.3	4272913.4	78.2	5.00	4.00
4.65	NO							
L0160851		0	0.12747E-03	661663.7	4272913.2	78.8	5.00	4.00
4.65	NO							
L0160852		0	0.12747E-03	661655.1	4272913.1	79.6	5.00	4.00
4.65	NO							
L0160853		0	0.12747E-03	661646.5	4272913.0	80.3	5.00	4.00
4.65	NO							
L0160854		0	0.12747E-03	661637.9	4272912.8	81.2	5.00	4.00
4.65	NO							
L0160855		0	0.12747E-03	661629.3	4272912.7	82.2	5.00	4.00
4.65	NO							
L0160856		0	0.12747E-03	661620.7	4272912.6	83.2	5.00	4.00
4.65	NO							
L0160857		0	0.12747E-03	661612.1	4272912.4	84.2	5.00	4.00
4.65	NO							
L0160858		0	0.12747E-03	661603.5	4272912.3	85.3	5.00	4.00
4.65	NO							
L0160859		0	0.12747E-03	661594.9	4272912.2	86.3	5.00	4.00
4.65	NO							
L0160860		0	0.12747E-03	661586.3	4272912.0	87.4	5.00	4.00
4.65	NO							
L0160861		0	0.12747E-03	661577.7	4272911.9	88.5	5.00	4.00
4.65	NO							
L0160862		0	0.12747E-03	661569.1	4272911.8	89.6	5.00	4.00
4.65	NO							
L0160863		0	0.12747E-03	661560.5	4272911.6	90.5	5.00	4.00
4.65	NO							
L0160864		0	0.12747E-03	661551.9	4272911.5	91.5	5.00	4.00
4.65	NO							
L0160865		0	0.12747E-03	661543.3	4272911.4	92.4	5.00	4.00
4.65	NO							
L0160866		0	0.12747E-03	661534.7	4272911.2	93.2	5.00	4.00
4.65	NO							
L0160867		0	0.12747E-03	661526.1	4272911.1	93.9	5.00	4.00

4.65	NO							
L0160868		0	0.12747E-03	661517.5	4272911.0	94.5	5.00	4.00
4.65	NO							
L0160869		0	0.12747E-03	661508.9	4272910.8	94.9	5.00	4.00
4.65	NO							
L0160870		0	0.12747E-03	661500.3	4272910.7	95.3	5.00	4.00
4.65	NO							
L0160871		0	0.12747E-03	661491.7	4272910.6	95.5	5.00	4.00
4.65	NO							
L0160872		0	0.12747E-03	661483.1	4272910.4	95.6	5.00	4.00
4.65	NO							
L0160873		0	0.12747E-03	661474.5	4272910.3	95.8	5.00	4.00
4.65	NO							
L0160874		0	0.12747E-03	661465.9	4272910.2	95.8	5.00	4.00
4.65	NO							
L0160875		0	0.12747E-03	661457.3	4272910.0	95.8	5.00	4.00
4.65	NO							
L0160876		0	0.12747E-03	661448.7	4272909.9	95.8	5.00	4.00
4.65	NO							
L0160877		0	0.12747E-03	661440.1	4272909.8	95.4	5.00	4.00
4.65	NO							
L0160878		0	0.12747E-03	661431.5	4272909.6	94.9	5.00	4.00
4.65	NO							
L0160879		0	0.12747E-03	661422.9	4272909.5	94.4	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								
L0160880		0	0.12747E-03	661414.3	4272909.4	93.1	5.00	4.00
4.65	NO							
L0160881		0	0.12747E-03	661405.7	4272909.2	91.9	5.00	4.00
4.65	NO							
L0160882		0	0.12747E-03	661397.1	4272909.1	91.0	5.00	4.00

4.65	NO							
L0160883		0	0.12747E-03	661388.5	4272909.0	91.0	5.00	4.00
4.65	NO							
L0160884		0	0.12747E-03	661379.9	4272908.8	91.0	5.00	4.00
4.65	NO							
L0160885		0	0.12747E-03	661371.3	4272908.7	91.5	5.00	4.00
4.65	NO							
L0160886		0	0.12747E-03	661362.7	4272908.6	92.5	5.00	4.00
4.65	NO							
L0160887		0	0.12747E-03	661354.1	4272908.4	93.5	5.00	4.00
4.65	NO							
L0160888		0	0.12747E-03	661345.5	4272908.3	94.1	5.00	4.00
4.65	NO							
L0160889		0	0.12747E-03	661336.9	4272908.2	94.6	5.00	4.00
4.65	NO							
L0160890		0	0.12747E-03	661328.4	4272908.0	95.0	5.00	4.00
4.65	NO							
L0160891		0	0.12747E-03	661319.8	4272907.9	94.5	5.00	4.00
4.65	NO							
L0160892		0	0.12747E-03	661311.2	4272907.8	93.8	5.00	4.00
4.65	NO							
L0160893		0	0.12747E-03	661302.6	4272907.6	93.1	5.00	4.00
4.65	NO							
L0160894		0	0.12747E-03	661294.0	4272907.5	92.3	5.00	4.00
4.65	NO							
L0160895		0	0.12747E-03	661285.4	4272907.4	91.5	5.00	4.00
4.65	NO							
L0160896		0	0.12747E-03	661276.8	4272907.2	90.7	5.00	4.00
4.65	NO							
L0160897		0	0.12747E-03	661268.2	4272907.1	90.0	5.00	4.00
4.65	NO							
L0160898		0	0.12747E-03	661259.6	4272907.0	89.3	5.00	4.00
4.65	NO							
L0160899		0	0.12747E-03	661251.0	4272906.8	88.6	5.00	4.00
4.65	NO							
L0160900		0	0.12747E-03	661242.4	4272906.7	87.7	5.00	4.00
4.65	NO							
L0160901		0	0.12747E-03	661233.8	4272906.6	86.8	5.00	4.00
4.65	NO							
L0160902		0	0.12747E-03	661225.2	4272906.4	85.6	5.00	4.00
4.65	NO							
L0160903		0	0.12747E-03	661216.6	4272906.3	84.3	5.00	4.00
4.65	NO							
L0160904		0	0.12747E-03	661208.0	4272906.2	83.0	5.00	4.00
4.65	NO							
L0160905		0	0.12747E-03	661199.4	4272906.0	82.4	5.00	4.00
4.65	NO							
L0160906		0	0.12747E-03	661190.8	4272905.9	82.1	5.00	4.00
4.65	NO							
L0160907		0	0.12747E-03	661182.2	4272905.8	81.8	5.00	4.00

4.65	NO							
L0160908		0	0.12747E-03	661173.6	4272905.6	82.2	5.00	4.00
4.65	NO							
L0160909		0	0.12747E-03	661165.0	4272905.5	82.7	5.00	4.00
4.65	NO							
L0160910		0	0.12747E-03	661156.4	4272905.4	83.2	5.00	4.00
4.65	NO							
L0160911		0	0.12747E-03	661147.8	4272905.2	84.2	5.00	4.00
4.65	NO							
L0160912		0	0.12747E-03	661140.1	4272904.2	85.2	5.00	4.00
4.65	NO							
L0160913		0	0.12747E-03	661140.5	4272895.6	85.3	5.00	4.00
4.65	NO							
L0160914		0	0.12747E-03	661141.0	4272887.0	85.4	5.00	4.00
4.65	NO							
L0160915		0	0.12747E-03	661141.4	4272878.5	85.4	5.00	4.00
4.65	NO							
L0160916		0	0.12747E-03	661141.9	4272869.9	85.5	5.00	4.00
4.65	NO							
L0160917		0	0.12747E-03	661142.3	4272861.3	85.5	5.00	4.00
4.65	NO							
L0160918		0	0.12747E-03	661142.8	4272852.7	85.6	5.00	4.00
4.65	NO							
L0160919		0	0.12747E-03	661143.2	4272844.1	85.8	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0160920		0	0.12747E-03	661143.6	4272835.5	86.0	5.00	4.00
4.65	NO							
L0160921		0	0.12747E-03	661144.1	4272826.9	86.2	5.00	4.00
4.65	NO							
L0160922		0	0.12747E-03	661144.5	4272818.3	86.2	5.00	4.00

4.65	NO							
L0160923		0	0.12747E-03	661145.0	4272809.8	86.1	5.00	4.00
4.65	NO							
L0160924		0	0.12747E-03	661145.4	4272801.2	86.1	5.00	4.00
4.65	NO							
L0160925		0	0.12747E-03	661145.9	4272792.6	86.1	5.00	4.00
4.65	NO							
L0160926		0	0.12747E-03	661146.3	4272784.0	86.2	5.00	4.00
4.65	NO							
L0160927		0	0.12747E-03	661146.7	4272775.4	86.2	5.00	4.00
4.65	NO							
L0160928		0	0.12747E-03	661147.2	4272766.8	86.3	5.00	4.00
4.65	NO							
L0160929		0	0.12747E-03	661147.6	4272758.2	86.4	5.00	4.00
4.65	NO							
L0160930		0	0.12747E-03	661148.1	4272749.6	86.6	5.00	4.00
4.65	NO							
L0160931		0	0.12747E-03	661148.5	4272741.0	86.7	5.00	4.00
4.65	NO							
L0160932		0	0.12747E-03	661149.0	4272732.5	86.9	5.00	4.00
4.65	NO							
L0160933		0	0.12747E-03	661149.4	4272723.9	87.5	5.00	4.00
4.65	NO							
L0160934		0	0.12747E-03	661149.8	4272715.3	88.0	5.00	4.00
4.65	NO							
L0160935		0	0.12747E-03	661150.3	4272706.7	88.6	5.00	4.00
4.65	NO							
L0160936		0	0.12747E-03	661150.7	4272698.1	88.8	5.00	4.00
4.65	NO							
L0160937		0	0.12747E-03	661151.2	4272689.5	88.8	5.00	4.00
4.65	NO							
L0160938		0	0.12747E-03	661151.6	4272680.9	88.8	5.00	4.00
4.65	NO							
L0160939		0	0.12747E-03	661152.1	4272672.3	88.8	5.00	4.00
4.65	NO							
L0160940		0	0.12747E-03	661152.5	4272663.7	88.6	5.00	4.00
4.65	NO							
L0160941		0	0.12747E-03	661152.9	4272655.2	88.4	5.00	4.00
4.65	NO							
L0160942		0	0.12747E-03	661153.4	4272646.6	88.2	5.00	4.00
4.65	NO							
L0160943		0	0.12747E-03	661153.8	4272638.0	88.0	5.00	4.00
4.65	NO							
L0160944		0	0.12747E-03	661154.3	4272629.4	87.7	5.00	4.00
4.65	NO							
L0160945		0	0.12747E-03	661154.7	4272620.8	87.5	5.00	4.00
4.65	NO							
L0160946		0	0.12747E-03	661155.2	4272612.2	87.3	5.00	4.00
4.65	NO							
L0160947		0	0.12747E-03	661155.6	4272603.6	86.7	5.00	4.00

4.65	NO							
L0160948		0	0.12747E-03	661156.0	4272595.0	86.1	5.00	4.00
4.65	NO							
L0160949		0	0.12747E-03	661156.5	4272586.4	85.5	5.00	4.00
4.65	NO							
L0160950		0	0.12747E-03	661156.9	4272577.9	85.0	5.00	4.00
4.65	NO							
L0160951		0	0.12747E-03	661157.4	4272569.3	84.7	5.00	4.00
4.65	NO							
L0160952		0	0.12747E-03	661157.8	4272560.7	84.4	5.00	4.00
4.65	NO							
L0160953		0	0.12747E-03	661158.2	4272552.1	84.1	5.00	4.00
4.65	NO							
L0160954		0	0.12747E-03	661158.7	4272543.5	84.5	5.00	4.00
4.65	NO							
L0160955		0	0.12747E-03	661159.1	4272534.9	85.2	5.00	4.00
4.65	NO							
L0160956		0	0.12747E-03	661159.6	4272526.3	86.0	5.00	4.00
4.65	NO							
L0160957		0	0.12747E-03	661160.0	4272517.7	86.8	5.00	4.00
4.65	NO							
L0160958		0	0.12747E-03	661160.5	4272509.2	87.3	5.00	4.00
4.65	NO							
L0160959		0	0.12747E-03	661160.9	4272500.6	87.9	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0160960		0	0.12747E-03	661161.3	4272492.0	88.5	5.00	4.00
4.65	NO							
L0160961		0	0.12747E-03	661161.8	4272483.4	88.7	5.00	4.00
4.65	NO							
L0160962		0	0.12747E-03	661162.2	4272474.8	88.6	5.00	4.00



4.65	NO							
L0160963		0	0.12747E-03	661162.7	4272466.2	88.5	5.00	4.00
4.65	NO							
L0160964		0	0.12747E-03	661163.1	4272457.6	88.4	5.00	4.00
4.65	NO							
L0160965		0	0.12747E-03	661163.6	4272449.0	88.3	5.00	4.00
4.65	NO							
L0160966		0	0.12747E-03	661164.0	4272440.4	88.3	5.00	4.00
4.65	NO							
L0160967		0	0.12747E-03	661164.4	4272431.9	88.2	5.00	4.00
4.65	NO							
L0160968		0	0.12747E-03	661164.9	4272423.3	88.2	5.00	4.00
4.65	NO							
L0160969		0	0.12747E-03	661165.3	4272414.7	88.3	5.00	4.00
4.65	NO							
L0160970		0	0.12747E-03	661165.8	4272406.1	88.5	5.00	4.00
4.65	NO							
L0160971		0	0.12747E-03	661166.2	4272397.5	88.6	5.00	4.00
4.65	NO							
L0160972		0	0.12747E-03	661166.7	4272388.9	88.7	5.00	4.00
4.65	NO							
L0160973		0	0.12747E-03	661167.1	4272380.3	88.7	5.00	4.00
4.65	NO							
L0160974		0	0.12747E-03	661167.5	4272371.7	88.7	5.00	4.00
4.65	NO							
L0160975		0	0.12747E-03	661168.0	4272363.1	88.7	5.00	4.00
4.65	NO							
L0160976		0	0.12747E-03	661168.4	4272354.6	88.7	5.00	4.00
4.65	NO							
L0160977		0	0.12747E-03	661168.9	4272346.0	88.6	5.00	4.00
4.65	NO							
L0160978		0	0.12747E-03	661169.3	4272337.4	88.5	5.00	4.00
4.65	NO							
L0160979		0	0.12747E-03	661169.8	4272328.8	88.6	5.00	4.00
4.65	NO							
L0160980		0	0.12747E-03	661170.2	4272320.2	88.7	5.00	4.00
4.65	NO							
L0160981		0	0.12747E-03	661170.6	4272311.6	88.8	5.00	4.00
4.65	NO							
L0160982		0	0.12747E-03	661171.1	4272303.0	88.9	5.00	4.00
4.65	NO							
L0160983		0	0.12747E-03	661171.5	4272294.4	89.3	5.00	4.00
4.65	NO							
L0160984		0	0.12747E-03	661172.0	4272285.8	89.8	5.00	4.00
4.65	NO							
L0160985		0	0.12747E-03	661172.4	4272277.3	90.2	5.00	4.00
4.65	NO							
L0160986		0	0.12747E-03	661172.9	4272268.7	90.5	5.00	4.00
4.65	NO							
L0160987		0	0.12747E-03	661178.7	4272265.6	90.2	5.00	4.00

4.65	NO							
L0160988		0	0.12747E-03	661187.3	4272265.3	89.5	5.00	4.00
4.65	NO							
L0160989		0	0.12747E-03	661195.9	4272265.1	88.9	5.00	4.00
4.65	NO							
L0160990		0	0.12747E-03	661204.5	4272264.8	88.3	5.00	4.00
4.65	NO							
L0160991		0	0.12747E-03	661213.1	4272264.5	87.7	5.00	4.00
4.65	NO							
L0160992		0	0.12747E-03	661221.7	4272264.2	87.1	5.00	4.00
4.65	NO							
L0160993		0	0.12747E-03	661230.3	4272264.0	86.7	5.00	4.00
4.65	NO							
L0160994		0	0.12747E-03	661238.9	4272263.7	86.3	5.00	4.00
4.65	NO							
L0160995		0	0.12747E-03	661247.5	4272263.4	85.8	5.00	4.00
4.65	NO							
L0160996		0	0.12747E-03	661256.1	4272263.1	85.1	5.00	4.00
4.65	NO							
L0160997		0	0.12747E-03	661264.7	4272262.8	84.4	5.00	4.00
4.65	NO							
L0160998		0	0.12747E-03	661273.3	4272262.6	83.9	5.00	4.00
4.65	NO							
L0160999		0	0.12747E-03	661281.9	4272262.3	83.5	5.00	4.00

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 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0161000		0	0.12747E-03	661290.5	4272262.0	83.1	5.00	4.00
4.65	NO							
L0161001		0	0.12747E-03	661299.1	4272261.7	82.6	5.00	4.00
4.65	NO							
L0161002		0	0.12747E-03	661307.7	4272261.5	82.2	5.00	4.00

4.65	NO							
L0161003		0	0.12747E-03	661316.3	4272261.2	81.8	5.00	4.00
4.65	NO							
L0161004		0	0.12747E-03	661324.9	4272260.9	81.4	5.00	4.00
4.65	NO							
L0161005		0	0.12747E-03	661333.5	4272260.6	81.0	5.00	4.00
4.65	NO							
L0161006		0	0.12747E-03	661342.1	4272260.4	80.7	5.00	4.00
4.65	NO							
L0161007		0	0.12747E-03	661350.6	4272260.1	80.4	5.00	4.00
4.65	NO							
L0161008		0	0.12747E-03	661359.2	4272259.8	80.0	5.00	4.00
4.65	NO							
L0161009		0	0.12747E-03	661367.8	4272259.5	79.7	5.00	4.00
4.65	NO							
L0161010		0	0.12747E-03	661376.4	4272259.2	79.2	5.00	4.00
4.65	NO							
L0161011		0	0.12747E-03	661385.0	4272259.0	78.8	5.00	4.00
4.65	NO							
L0161012		0	0.12747E-03	661393.6	4272258.7	78.3	5.00	4.00
4.65	NO							
L0161013		0	0.12747E-03	661402.2	4272258.4	77.9	5.00	4.00
4.65	NO							
L0161014		0	0.12747E-03	661410.8	4272258.1	77.5	5.00	4.00
4.65	NO							
L0161015		0	0.12747E-03	661419.4	4272257.9	77.1	5.00	4.00
4.65	NO							
L0161016		0	0.12747E-03	661428.0	4272257.6	76.7	5.00	4.00
4.65	NO							
L0161017		0	0.12747E-03	661436.6	4272257.3	76.3	5.00	4.00
4.65	NO							
L0161018		0	0.12747E-03	661445.2	4272257.0	75.8	5.00	4.00
4.65	NO							
L0161019		0	0.12747E-03	661453.8	4272256.7	75.3	5.00	4.00
4.65	NO							
L0161020		0	0.12747E-03	661462.4	4272256.5	74.8	5.00	4.00
4.65	NO							
L0161021		0	0.12747E-03	661471.0	4272256.2	74.6	5.00	4.00
4.65	NO							
L0161022		0	0.12747E-03	661479.6	4272255.9	74.3	5.00	4.00
4.65	NO							
L0161023		0	0.12747E-03	661488.2	4272255.6	74.1	5.00	4.00
4.65	NO							
L0161024		0	0.12747E-03	661496.8	4272255.4	74.1	5.00	4.00
4.65	NO							
L0161025		0	0.12747E-03	661505.4	4272255.1	74.1	5.00	4.00
4.65	NO							
L0161026		0	0.12747E-03	661514.0	4272254.8	74.1	5.00	4.00
4.65	NO							
L0161027		0	0.12747E-03	661522.6	4272254.5	73.9	5.00	4.00

4.65	NO							
L0161028		0	0.12747E-03	661531.2	4272254.3	73.8	5.00	4.00
4.65	NO							
L0161029		0	0.12747E-03	661539.7	4272254.0	73.7	5.00	4.00
4.65	NO							
L0161030		0	0.12747E-03	661548.3	4272253.7	73.7	5.00	4.00
4.65	NO							
L0161031		0	0.12747E-03	661556.9	4272253.4	73.6	5.00	4.00
4.65	NO							
L0161032		0	0.12747E-03	661565.5	4272253.1	73.7	5.00	4.00
4.65	NO							
L0161033		0	0.12747E-03	661574.1	4272252.9	73.8	5.00	4.00
4.65	NO							
L0161034		0	0.12747E-03	661581.7	4272251.5	73.9	5.00	4.00
4.65	NO							
L0161035		0	0.12747E-03	661582.0	4272242.9	74.1	5.00	4.00
4.65	NO							
L0161036		0	0.12747E-03	661582.4	4272234.3	74.2	5.00	4.00
4.65	NO							
L0161037		0	0.12747E-03	661582.8	4272225.8	74.3	5.00	4.00
4.65	NO							
L0161038		0	0.12747E-03	661583.1	4272217.2	74.4	5.00	4.00
4.65	NO							
L0161039		0	0.12747E-03	661583.5	4272208.6	74.4	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0161040		0	0.12747E-03	661583.8	4272200.0	74.4	5.00	4.00
4.65	NO							
L0161041		0	0.12747E-03	661584.2	4272191.4	74.3	5.00	4.00
4.65	NO							
L0161042		0	0.12747E-03	661584.5	4272182.8	74.3	5.00	4.00

4.65	NO							
L0161043		0	0.12747E-03	661584.9	4272174.2	74.2	5.00	4.00
4.65	NO							
L0161044		0	0.12747E-03	661585.3	4272165.6	74.2	5.00	4.00
4.65	NO							
L0161045		0	0.12747E-03	661585.6	4272157.0	74.1	5.00	4.00
4.65	NO							
L0161046		0	0.12747E-03	661586.0	4272148.4	74.1	5.00	4.00
4.65	NO							
L0161047		0	0.12747E-03	661586.3	4272139.8	74.0	5.00	4.00
4.65	NO							
L0161048		0	0.12747E-03	661586.7	4272131.2	74.0	5.00	4.00
4.65	NO							
L0161049		0	0.12747E-03	661587.0	4272122.6	73.9	5.00	4.00
4.65	NO							
L0161050		0	0.12747E-03	661587.4	4272114.1	73.8	5.00	4.00
4.65	NO							
L0161051		0	0.12747E-03	661587.8	4272105.5	73.7	5.00	4.00
4.65	NO							
L0161052		0	0.12747E-03	661588.1	4272096.9	73.6	5.00	4.00
4.65	NO							
L0161053		0	0.12747E-03	661588.5	4272088.3	73.4	5.00	4.00
4.65	NO							
L0161054		0	0.12747E-03	661588.8	4272079.7	73.2	5.00	4.00
4.65	NO							
L0161055		0	0.12747E-03	661589.2	4272071.1	73.1	5.00	4.00
4.65	NO							
L0161056		0	0.12747E-03	661589.6	4272062.5	72.9	5.00	4.00
4.65	NO							
L0161057		0	0.12747E-03	661589.9	4272053.9	72.8	5.00	4.00
4.65	NO							
L0161058		0	0.12747E-03	661590.3	4272045.3	72.7	5.00	4.00
4.65	NO							
L0161059		0	0.12747E-03	661590.6	4272036.7	72.6	5.00	4.00
4.65	NO							
L0161060		0	0.12747E-03	661591.0	4272028.1	72.4	5.00	4.00
4.65	NO							
L0161061		0	0.12747E-03	661591.3	4272019.5	72.2	5.00	4.00
4.65	NO							
L0161062		0	0.12747E-03	661591.7	4272010.9	72.0	5.00	4.00
4.65	NO							
L0161063		0	0.12747E-03	661592.1	4272002.3	71.8	5.00	4.00
4.65	NO							
L0161064		0	0.12747E-03	661592.4	4271993.8	71.8	5.00	4.00
4.65	NO							
L0161065		0	0.12747E-03	661592.8	4271985.2	71.8	5.00	4.00
4.65	NO							
L0161066		0	0.12747E-03	661593.1	4271976.6	71.8	5.00	4.00
4.65	NO							
L0161067		0	0.12747E-03	661593.5	4271968.0	71.7	5.00	4.00

4.65	NO							
L0161068		0	0.12747E-03	661593.9	4271959.4	71.6	5.00	4.00
4.65	NO							
L0161069		0	0.12747E-03	661594.2	4271950.8	71.5	5.00	4.00
4.65	NO							
L0161070		0	0.12747E-03	661594.6	4271942.2	71.4	5.00	4.00
4.65	NO							
L0161071		0	0.12747E-03	661594.9	4271933.6	71.3	5.00	4.00
4.65	NO							
L0161072		0	0.12747E-03	661595.3	4271925.0	71.2	5.00	4.00
4.65	NO							
L0161073		0	0.12747E-03	661595.6	4271916.4	71.1	5.00	4.00
4.65	NO							
L0161074		0	0.12747E-03	661596.0	4271907.8	71.0	5.00	4.00
4.65	NO							
L0161075		0	0.12747E-03	661596.4	4271899.2	71.1	5.00	4.00
4.65	NO							
L0161076		0	0.12747E-03	661596.7	4271890.6	71.1	5.00	4.00
4.65	NO							
L0161077		0	0.12747E-03	661597.1	4271882.1	71.2	5.00	4.00
4.65	NO							
L0161078		0	0.12747E-03	661597.4	4271873.5	71.2	5.00	4.00
4.65	NO							
L0161079		0	0.12747E-03	661597.8	4271864.9	71.1	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0161080		0	0.12747E-03	661598.1	4271856.3	71.1	5.00	4.00
4.65	NO							
L0161081		0	0.12747E-03	661598.5	4271847.7	71.0	5.00	4.00
4.65	NO							
L0161082		0	0.12747E-03	661598.9	4271839.1	70.9	5.00	4.00

4.65	NO							
L0161083		0	0.12747E-03	661599.2	4271830.5	70.8	5.00	4.00
4.65	NO							
L0161084		0	0.12747E-03	661599.6	4271821.9	70.6	5.00	4.00
4.65	NO							
L0161085		0	0.12747E-03	661599.9	4271813.3	70.5	5.00	4.00
4.65	NO							
L0161086		0	0.12747E-03	661600.3	4271804.7	70.3	5.00	4.00
4.65	NO							
L0161087		0	0.12747E-03	661600.7	4271796.1	70.2	5.00	4.00
4.65	NO							
L0161088		0	0.12747E-03	661601.0	4271787.5	70.1	5.00	4.00
4.65	NO							
L0161089		0	0.12747E-03	661601.4	4271778.9	70.0	5.00	4.00
4.65	NO							
L0161090		0	0.12747E-03	661601.7	4271770.3	69.9	5.00	4.00
4.65	NO							
L0161091		0	0.12747E-03	661602.1	4271761.8	69.9	5.00	4.00
4.65	NO							
L0161092		0	0.12747E-03	661602.4	4271753.2	69.8	5.00	4.00
4.65	NO							
L0161093		0	0.12747E-03	661602.8	4271744.6	69.8	5.00	4.00
4.65	NO							
L0161094		0	0.12747E-03	661603.2	4271736.0	69.8	5.00	4.00
4.65	NO							
L0161095		0	0.12747E-03	661603.5	4271727.4	69.8	5.00	4.00
4.65	NO							
L0161096		0	0.12747E-03	661603.9	4271718.8	69.6	5.00	4.00
4.65	NO							
L0161097		0	0.12747E-03	661604.2	4271710.2	69.5	5.00	4.00
4.65	NO							
L0161098		0	0.12747E-03	661604.6	4271701.6	69.3	5.00	4.00
4.65	NO							
L0161099		0	0.12747E-03	661605.0	4271693.0	69.1	5.00	4.00
4.65	NO							
L0161100		0	0.12747E-03	661605.3	4271684.4	68.8	5.00	4.00
4.65	NO							
L0161101		0	0.12747E-03	661605.7	4271675.8	68.6	5.00	4.00
4.65	NO							
L0161102		0	0.12747E-03	661606.0	4271667.2	68.3	5.00	4.00
4.65	NO							
L0161103		0	0.12747E-03	661606.4	4271658.6	68.1	5.00	4.00
4.65	NO							
L0161104		0	0.12747E-03	661606.7	4271650.1	67.8	5.00	4.00
4.65	NO							
L0161105		0	0.12747E-03	661607.1	4271641.5	67.6	5.00	4.00
4.65	NO							
L0161106		0	0.12747E-03	661607.5	4271632.9	67.3	5.00	4.00
4.65	NO							
L0161107		0	0.12747E-03	661607.8	4271624.3	67.1	5.00	4.00

4.65	NO							
L0161108		0	0.12747E-03	661608.2	4271615.7	66.8	5.00	4.00
4.65	NO							
L0161109		0	0.12747E-03	661608.5	4271607.1	66.5	5.00	4.00
4.65	NO							
L0161110		0	0.12747E-03	661608.9	4271598.5	66.3	5.00	4.00
4.65	NO							
L0161111		0	0.12747E-03	661609.2	4271589.9	66.1	5.00	4.00
4.65	NO							
L0161112		0	0.12747E-03	661609.6	4271581.3	65.8	5.00	4.00
4.65	NO							
L0161113		0	0.12747E-03	661610.0	4271572.7	65.6	5.00	4.00
4.65	NO							
L0161114		0	0.12747E-03	661610.3	4271564.1	65.4	5.00	4.00
4.65	NO							
L0161115		0	0.12747E-03	661610.7	4271555.5	65.2	5.00	4.00
4.65	NO							
L0161116		0	0.12747E-03	661611.0	4271546.9	65.0	5.00	4.00
4.65	NO							
L0161117		0	0.12747E-03	661611.4	4271538.3	64.9	5.00	4.00
4.65	NO							
L0161118		0	0.12747E-03	661611.8	4271529.8	64.9	5.00	4.00
4.65	NO							
L0161119		0	0.12747E-03	661612.1	4271521.2	64.9	5.00	4.00

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\*\*\* MODELOPTs:    RegDFault    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0161120		0	0.12747E-03	661612.5	4271512.6	64.9	5.00	4.00
4.65	NO							
L0161121		0	0.12747E-03	661612.8	4271504.0	64.9	5.00	4.00
4.65	NO							
L0161122		0	0.12747E-03	661613.2	4271495.4	64.8	5.00	4.00



4.65	NO							
L0161123		0	0.12747E-03	661613.5	4271486.8	64.8	5.00	4.00
4.65	NO							
L0161124		0	0.12747E-03	661613.9	4271478.2	64.8	5.00	4.00
4.65	NO							
L0161125		0	0.12747E-03	661614.3	4271469.6	64.8	5.00	4.00
4.65	NO							
L0161126		0	0.12747E-03	661615.3	4271461.7	64.7	5.00	4.00
4.65	NO							
L0161127		0	0.12747E-03	661623.9	4271461.7	64.9	5.00	4.00
4.65	NO							
L0161128		0	0.12747E-03	661632.5	4271461.7	65.2	5.00	4.00
4.65	NO							
L0161129		0	0.12747E-03	661641.1	4271461.7	65.5	5.00	4.00
4.65	NO							
L0161130		0	0.12747E-03	661649.7	4271461.7	65.8	5.00	4.00
4.65	NO							
L0161131		0	0.12747E-03	661658.3	4271461.7	66.0	5.00	4.00
4.65	NO							
L0161132		0	0.12747E-03	661666.9	4271461.7	66.3	5.00	4.00
4.65	NO							
L0161133		0	0.12747E-03	661675.5	4271461.7	66.6	5.00	4.00
4.65	NO							
L0161134		0	0.12747E-03	661684.1	4271461.7	67.0	5.00	4.00
4.65	NO							
L0161135		0	0.12747E-03	661692.7	4271461.7	67.4	5.00	4.00
4.65	NO							
L0161136		0	0.12747E-03	661701.3	4271461.7	67.9	5.00	4.00
4.65	NO							
L0161137		0	0.12747E-03	661709.9	4271461.7	68.4	5.00	4.00
4.65	NO							
L0161138		0	0.12747E-03	661718.5	4271461.7	68.9	5.00	4.00
4.65	NO							
L0161139		0	0.12747E-03	661727.1	4271461.7	69.5	5.00	4.00
4.65	NO							
L0161140		0	0.12747E-03	661735.7	4271461.7	70.1	5.00	4.00
4.65	NO							
L0161141		0	0.12747E-03	661744.3	4271461.7	70.8	5.00	4.00
4.65	NO							
L0161142		0	0.12747E-03	661752.9	4271461.7	71.8	5.00	4.00
4.65	NO							
L0161143		0	0.12747E-03	661761.5	4271461.7	72.8	5.00	4.00
4.65	NO							
L0161144		0	0.12747E-03	661770.1	4271461.7	73.9	5.00	4.00
4.65	NO							
L0161145		0	0.12747E-03	661778.7	4271461.7	75.6	5.00	4.00
4.65	NO							
L0161146		0	0.12747E-03	661787.3	4271461.7	77.4	5.00	4.00
4.65	NO							
L0161147		0	0.12747E-03	661795.9	4271461.7	78.9	5.00	4.00

4.65	NO							
L0161148		0	0.12747E-03	661804.5	4271461.7	80.1	5.00	4.00
4.65	NO							
L0161149		0	0.12747E-03	661813.1	4271461.7	81.4	5.00	4.00
4.65	NO							
L0161150		0	0.12747E-03	661821.7	4271461.7	81.5	5.00	4.00
4.65	NO							
L0161151		0	0.12747E-03	661830.3	4271461.7	80.9	5.00	4.00
4.65	NO							
L0161152		0	0.12747E-03	661838.9	4271461.7	80.3	5.00	4.00
4.65	NO							
L0161153		0	0.12747E-03	661847.5	4271461.7	79.1	5.00	4.00
4.65	NO							
L0161154		0	0.12747E-03	661856.1	4271461.7	77.7	5.00	4.00
4.65	NO							
L0161155		0	0.12747E-03	661864.7	4271461.7	76.4	5.00	4.00
4.65	NO							
L0161156		0	0.12747E-03	661873.3	4271461.7	75.4	5.00	4.00
4.65	NO							
L0161157		0	0.12747E-03	661881.9	4271461.7	74.5	5.00	4.00
4.65	NO							
L0161158		0	0.12747E-03	661890.5	4271461.7	73.5	5.00	4.00
4.65	NO							
L0161159		0	0.12747E-03	661899.1	4271461.7	72.8	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0161160		0	0.12747E-03	661907.7	4271461.7	72.1	5.00	4.00
4.65	NO							
L0161161		0	0.12747E-03	661916.3	4271461.7	71.4	5.00	4.00
4.65	NO							
L0161162		0	0.12747E-03	661924.9	4271461.7	70.7	5.00	4.00

4.65	NO							
L0161163		0	0.12747E-03	661933.5	4271461.7	70.0	5.00	4.00
4.65	NO							
L0161164		0	0.12747E-03	661942.1	4271461.7	69.3	5.00	4.00
4.65	NO							
L0161165		0	0.12747E-03	661950.7	4271461.7	68.7	5.00	4.00
4.65	NO							
L0161166		0	0.12747E-03	661959.3	4271461.7	68.0	5.00	4.00
4.65	NO							
L0161167		0	0.12747E-03	661967.9	4271461.7	67.5	5.00	4.00
4.65	NO							
L0161168		0	0.12747E-03	661976.5	4271461.7	67.1	5.00	4.00
4.65	NO							
L0161169		0	0.12747E-03	661985.1	4271461.7	66.6	5.00	4.00
4.65	NO							
L0161170		0	0.12747E-03	661993.7	4271461.7	66.3	5.00	4.00
4.65	NO							
L0161171		0	0.12747E-03	662002.3	4271461.7	66.0	5.00	4.00
4.65	NO							
L0161172		0	0.12747E-03	662010.9	4271461.7	65.6	5.00	4.00
4.65	NO							
L0161173		0	0.12747E-03	662016.7	4271458.9	65.4	5.00	4.00
4.65	NO							
L0161174		0	0.12747E-03	662016.9	4271450.3	65.3	5.00	4.00
4.65	NO							
L0161175		0	0.12747E-03	662017.2	4271441.7	65.3	5.00	4.00
4.65	NO							
L0161176		0	0.12747E-03	662017.4	4271433.1	65.2	5.00	4.00
4.65	NO							
L0161177		0	0.12747E-03	662017.7	4271424.5	65.1	5.00	4.00
4.65	NO							
L0161178		0	0.12747E-03	662017.9	4271415.9	65.0	5.00	4.00
4.65	NO							
L0161179		0	0.12747E-03	662018.2	4271407.3	64.9	5.00	4.00
4.65	NO							
L0161180		0	0.12747E-03	662018.4	4271398.7	64.7	5.00	4.00
4.65	NO							
L0161181		0	0.12747E-03	662018.6	4271390.1	64.6	5.00	4.00
4.65	NO							
L0161182		0	0.12747E-03	662018.9	4271381.5	64.5	5.00	4.00
4.65	NO							
L0161183		0	0.12747E-03	662019.1	4271372.9	64.3	5.00	4.00
4.65	NO							
L0161184		0	0.12747E-03	662019.4	4271364.3	64.2	5.00	4.00
4.65	NO							
L0161185		0	0.12747E-03	662019.6	4271355.7	64.0	5.00	4.00
4.65	NO							
L0161186		0	0.12747E-03	662019.8	4271347.1	63.9	5.00	4.00
4.65	NO							
L0161187		0	0.12747E-03	662020.1	4271338.5	63.7	5.00	4.00

4.65	NO							
L0161188		0	0.12747E-03	662020.3	4271329.9	63.6	5.00	4.00
4.65	NO							
L0161189		0	0.12747E-03	662020.6	4271321.3	63.4	5.00	4.00
4.65	NO							
L0161190		0	0.12747E-03	662020.8	4271312.7	63.3	5.00	4.00
4.65	NO							
L0161191		0	0.12747E-03	662021.1	4271304.1	63.2	5.00	4.00
4.65	NO							
L0161192		0	0.12747E-03	662021.3	4271295.5	63.1	5.00	4.00
4.65	NO							
L0161193		0	0.12747E-03	662021.5	4271286.9	63.0	5.00	4.00
4.65	NO							
L0161194		0	0.12747E-03	662021.8	4271278.3	62.8	5.00	4.00
4.65	NO							
L0161195		0	0.12747E-03	662022.0	4271269.7	62.7	5.00	4.00
4.65	NO							
L0161196		0	0.12747E-03	662022.3	4271261.1	62.7	5.00	4.00
4.65	NO							
L0161197		0	0.12747E-03	662022.5	4271252.5	62.6	5.00	4.00
4.65	NO							
L0161198		0	0.12747E-03	662022.7	4271243.9	62.5	5.00	4.00
4.65	NO							
L0161199		0	0.12747E-03	662023.0	4271235.3	62.6	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0161200		0	0.12747E-03	662023.2	4271226.7	62.7	5.00	4.00
4.65	NO							
L0161201		0	0.12747E-03	662023.5	4271218.1	62.8	5.00	4.00
4.65	NO							
L0161202		0	0.12747E-03	662023.7	4271209.6	62.8	5.00	4.00

4.65	NO							
L0161203		0	0.12747E-03	662024.0	4271201.0	63.0	5.00	4.00
4.65	NO							
L0161204		0	0.12747E-03	662024.2	4271192.4	63.2	5.00	4.00
4.65	NO							
L0161205		0	0.12747E-03	662024.4	4271183.8	63.3	5.00	4.00
4.65	NO							
L0161206		0	0.12747E-03	662024.7	4271175.2	63.6	5.00	4.00
4.65	NO							
L0161207		0	0.12747E-03	662024.9	4271166.6	63.9	5.00	4.00
4.65	NO							
L0161208		0	0.12747E-03	662025.2	4271158.0	64.2	5.00	4.00
4.65	NO							
L0161209		0	0.12747E-03	662025.4	4271149.4	64.5	5.00	4.00
4.65	NO							
L0161210		0	0.12747E-03	662025.6	4271140.8	64.8	5.00	4.00
4.65	NO							
L0161211		0	0.12747E-03	662025.9	4271132.2	65.1	5.00	4.00
4.65	NO							
L0161212		0	0.12747E-03	662026.1	4271123.6	65.4	5.00	4.00
4.65	NO							
L0161213		0	0.12747E-03	662026.4	4271115.0	65.6	5.00	4.00
4.65	NO							
L0161214		0	0.12747E-03	662026.6	4271106.4	65.6	5.00	4.00
4.65	NO							
L0161215		0	0.12747E-03	662026.9	4271097.8	65.6	5.00	4.00
4.65	NO							
L0161216		0	0.12747E-03	662027.1	4271089.2	65.6	5.00	4.00
4.65	NO							
L0161217		0	0.12747E-03	662027.3	4271080.6	65.5	5.00	4.00
4.65	NO							
L0161218		0	0.12747E-03	662027.6	4271072.0	65.5	5.00	4.00
4.65	NO							
L0161219		0	0.12747E-03	662027.8	4271063.4	65.4	5.00	4.00
4.65	NO							
L0161220		0	0.12747E-03	662028.1	4271054.8	65.3	5.00	4.00
4.65	NO							
L0161221		0	0.12747E-03	662028.3	4271046.2	65.1	5.00	4.00
4.65	NO							
L0161222		0	0.12747E-03	662028.5	4271037.6	64.8	5.00	4.00
4.65	NO							
L0161223		0	0.12747E-03	662028.8	4271029.0	64.6	5.00	4.00
4.65	NO							
L0161224		0	0.12747E-03	662029.0	4271020.4	64.1	5.00	4.00
4.65	NO							
L0161225		0	0.12747E-03	662029.3	4271011.8	63.4	5.00	4.00
4.65	NO							
L0161226		0	0.12747E-03	662029.5	4271003.2	62.7	5.00	4.00
4.65	NO							
L0161227		0	0.12747E-03	662029.8	4270994.6	62.0	5.00	4.00

4.65	NO							
L0161228		0	0.12747E-03	662030.0	4270986.0	61.3	5.00	4.00
4.65	NO							
L0161229		0	0.12747E-03	662030.2	4270977.4	60.6	5.00	4.00
4.65	NO							
L0161230		0	0.12747E-03	662030.5	4270968.8	59.9	5.00	4.00
4.65	NO							
L0161231		0	0.12747E-03	662030.7	4270960.2	59.3	5.00	4.00
4.65	NO							
L0161232		0	0.12747E-03	662031.0	4270951.7	58.8	5.00	4.00
4.65	NO							
L0161233		0	0.12747E-03	662031.2	4270943.1	58.4	5.00	4.00
4.65	NO							
L0161234		0	0.12747E-03	662031.4	4270934.5	57.9	5.00	4.00
4.65	NO							
L0161235		0	0.12747E-03	662031.7	4270925.9	57.8	5.00	4.00
4.65	NO							
L0161236		0	0.12747E-03	662031.9	4270917.3	57.7	5.00	4.00
4.65	NO							
L0161237		0	0.12747E-03	662032.2	4270908.7	57.7	5.00	4.00
4.65	NO							
L0161238		0	0.12747E-03	662032.4	4270900.1	57.7	5.00	4.00
4.65	NO							
L0161239		0	0.12747E-03	662032.7	4270891.5	57.6	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0161240		0	0.12747E-03	662032.9	4270882.9	57.6	5.00	4.00
4.65	NO							
L0161241		0	0.12747E-03	662033.1	4270874.3	57.5	5.00	4.00
4.65	NO							
L0161242		0	0.12747E-03	662033.4	4270865.7	57.7	5.00	4.00

4.65	NO							
L0161243		0	0.12747E-03	662033.6	4270857.1	58.0	5.00	4.00
4.65	NO							
L0161244		0	0.12747E-03	662033.9	4270848.5	58.3	5.00	4.00
4.65	NO							
L0161245		0	0.12747E-03	662034.1	4270839.9	58.6	5.00	4.00
4.65	NO							
L0161246		0	0.12747E-03	662034.3	4270831.3	59.0	5.00	4.00
4.65	NO							
L0161247		0	0.12747E-03	662034.6	4270822.7	59.4	5.00	4.00
4.65	NO							
L0161248		0	0.12747E-03	662034.8	4270814.1	59.7	5.00	4.00
4.65	NO							
L0161249		0	0.12747E-03	662035.1	4270805.5	60.0	5.00	4.00
4.65	NO							
L0161250		0	0.12747E-03	662035.3	4270796.9	60.2	5.00	4.00
4.65	NO							
L0161251		0	0.12747E-03	662035.6	4270788.3	60.4	5.00	4.00
4.65	NO							
L0161252		0	0.12747E-03	662035.8	4270779.7	60.6	5.00	4.00
4.65	NO							
L0161253		0	0.12747E-03	662036.0	4270771.1	60.7	5.00	4.00
4.65	NO							
L0161254		0	0.12747E-03	662036.3	4270762.5	60.7	5.00	4.00
4.65	NO							
L0161255		0	0.12747E-03	662036.5	4270753.9	60.7	5.00	4.00
4.65	NO							
L0161256		0	0.12747E-03	662036.8	4270745.3	60.7	5.00	4.00
4.65	NO							
L0161257		0	0.12747E-03	662037.0	4270736.7	60.7	5.00	4.00
4.65	NO							
L0161258		0	0.12747E-03	662037.2	4270728.1	60.6	5.00	4.00
4.65	NO							
L0161259		0	0.12747E-03	662037.5	4270719.5	60.6	5.00	4.00
4.65	NO							
L0161260		0	0.12747E-03	662037.7	4270710.9	60.5	5.00	4.00
4.65	NO							
L0161261		0	0.12747E-03	662038.0	4270702.4	60.5	5.00	4.00
4.65	NO							
L0161262		0	0.12747E-03	662038.2	4270693.8	60.5	5.00	4.00
4.65	NO							
L0161263		0	0.12747E-03	662038.5	4270685.2	60.5	5.00	4.00
4.65	NO							
L0161264		0	0.12747E-03	662038.7	4270676.6	60.7	5.00	4.00
4.65	NO							
L0161265		0	0.12747E-03	662038.9	4270668.0	60.9	5.00	4.00
4.65	NO							
L0161266		0	0.12747E-03	662039.2	4270659.4	61.1	5.00	4.00
4.65	NO							
L0161267		0	0.12747E-03	662039.4	4270650.8	61.2	5.00	4.00

4.65	NO							
L0161268		0	0.12747E-03	662039.7	4270642.2	61.4	5.00	4.00
4.65	NO							
L0161269		0	0.12747E-03	662039.9	4270633.6	61.6	5.00	4.00
4.65	NO							
L0161270		0	0.12747E-03	662040.1	4270625.0	61.8	5.00	4.00
4.65	NO							
L0161271		0	0.12747E-03	662040.4	4270616.4	61.8	5.00	4.00
4.65	NO							
L0161272		0	0.12747E-03	662040.6	4270607.8	61.7	5.00	4.00
4.65	NO							
L0161273		0	0.12747E-03	662040.9	4270599.2	61.7	5.00	4.00
4.65	NO							
L0161274		0	0.12747E-03	662041.1	4270590.6	61.6	5.00	4.00
4.65	NO							
L0161275		0	0.12747E-03	662041.4	4270582.0	61.5	5.00	4.00
4.65	NO							
L0161276		0	0.12747E-03	662041.6	4270573.4	61.4	5.00	4.00
4.65	NO							
L0161277		0	0.12747E-03	662041.8	4270564.8	61.3	5.00	4.00
4.65	NO							
L0161278		0	0.12747E-03	662042.1	4270556.2	61.3	5.00	4.00
4.65	NO							
L0161279		0	0.12747E-03	662042.3	4270547.6	61.3	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0161280		0	0.12747E-03	662042.6	4270539.0	61.4	5.00	4.00
4.65	NO							
L0161281		0	0.12747E-03	662042.8	4270530.4	61.5	5.00	4.00
4.65	NO							
L0161282		0	0.12747E-03	662043.0	4270521.8	62.0	5.00	4.00



4.65	NO							
L0161283		0	0.12747E-03	662043.3	4270513.2	62.5	5.00	4.00
4.65	NO							
L0161284		0	0.12747E-03	662043.5	4270504.6	63.0	5.00	4.00
4.65	NO							
L0161285		0	0.12747E-03	662043.8	4270496.0	64.2	5.00	4.00
4.65	NO							
L0161286		0	0.12747E-03	662044.0	4270487.4	65.9	5.00	4.00
4.65	NO							
L0161287		0	0.12747E-03	662044.3	4270478.8	67.7	5.00	4.00
4.65	NO							
L0161288		0	0.12747E-03	662044.5	4270470.2	69.4	5.00	4.00
4.65	NO							
L0161289		0	0.12747E-03	662044.7	4270461.6	70.3	5.00	4.00
4.65	NO							
L0161290		0	0.12747E-03	662045.0	4270453.0	71.1	5.00	4.00
4.65	NO							
L0161291		0	0.12747E-03	662045.2	4270444.5	71.9	5.00	4.00
4.65	NO							
L0161292		0	0.12747E-03	662045.5	4270435.9	72.2	5.00	4.00
4.65	NO							
L0161293		0	0.12747E-03	662045.7	4270427.3	71.8	5.00	4.00
4.65	NO							
L0161294		0	0.12747E-03	662045.9	4270418.7	71.3	5.00	4.00
4.65	NO							
L0161295		0	0.12747E-03	662046.2	4270410.1	70.8	5.00	4.00
4.65	NO							
L0161296		0	0.12747E-03	662046.4	4270401.5	70.2	5.00	4.00
4.65	NO							
L0161297		0	0.12747E-03	662046.7	4270392.9	69.6	5.00	4.00
4.65	NO							
L0161298		0	0.12747E-03	662046.9	4270384.3	69.1	5.00	4.00
4.65	NO							
L0161299		0	0.12747E-03	662047.2	4270375.7	68.5	5.00	4.00
4.65	NO							
L0161300		0	0.12747E-03	662047.4	4270367.1	68.0	5.00	4.00
4.65	NO							
L0161301		0	0.12747E-03	662047.6	4270358.5	67.4	5.00	4.00
4.65	NO							
L0161302		0	0.12747E-03	662047.9	4270349.9	66.9	5.00	4.00
4.65	NO							
L0161303		0	0.12747E-03	662048.1	4270341.3	66.4	5.00	4.00
4.65	NO							
L0161304		0	0.12747E-03	662048.4	4270332.7	65.9	5.00	4.00
4.65	NO							
L0161305		0	0.12747E-03	662048.6	4270324.1	65.4	5.00	4.00
4.65	NO							
L0161306		0	0.12747E-03	662048.8	4270315.5	64.9	5.00	4.00
4.65	NO							
L0161307		0	0.12747E-03	662049.1	4270306.9	64.5	5.00	4.00

4.65	NO							
L0161308		0	0.12747E-03	662049.3	4270298.3	64.0	5.00	4.00
4.65	NO							
L0161309		0	0.12747E-03	662049.6	4270289.7	63.6	5.00	4.00
4.65	NO							
L0161310		0	0.12747E-03	662049.8	4270281.1	63.2	5.00	4.00
4.65	NO							
L0161311		0	0.12747E-03	662050.1	4270272.5	63.0	5.00	4.00
4.65	NO							
L0161312		0	0.12747E-03	662050.3	4270263.9	62.8	5.00	4.00
4.65	NO							
L0161313		0	0.12747E-03	662050.5	4270255.3	62.5	5.00	4.00
4.65	NO							
L0161314		0	0.12747E-03	662050.8	4270246.7	62.3	5.00	4.00
4.65	NO							
L0161315		0	0.12747E-03	662051.0	4270238.1	62.2	5.00	4.00
4.65	NO							
L0161316		0	0.12747E-03	662051.3	4270229.5	62.0	5.00	4.00
4.65	NO							
L0161317		0	0.12747E-03	662051.5	4270220.9	61.9	5.00	4.00
4.65	NO							
L0161318		0	0.12747E-03	662051.7	4270212.3	61.7	5.00	4.00
4.65	NO							
L0161319		0	0.12747E-03	662052.0	4270203.7	61.6	5.00	4.00

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 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0161320		0	0.12747E-03	662052.2	4270195.2	61.5	5.00	4.00
4.65	NO							
L0161321		0	0.12747E-03	662052.5	4270186.6	61.3	5.00	4.00
4.65	NO							
L0161322		0	0.12747E-03	662052.7	4270178.0	61.2	5.00	4.00

4.65	NO							
L0161323		0	0.12747E-03	662053.0	4270169.4	61.1	5.00	4.00
4.65	NO							
L0161324		0	0.12747E-03	662053.2	4270160.8	60.9	5.00	4.00
4.65	NO							
L0161325		0	0.12747E-03	662053.4	4270152.2	61.0	5.00	4.00
4.65	NO							
L0161326		0	0.12747E-03	662053.7	4270143.6	61.0	5.00	4.00
4.65	NO							
L0161327		0	0.12747E-03	662053.9	4270135.0	61.0	5.00	4.00
4.65	NO							
L0161328		0	0.12747E-03	662054.2	4270126.4	61.1	5.00	4.00
4.65	NO							
L0161329		0	0.12747E-03	662054.4	4270117.8	61.2	5.00	4.00
4.65	NO							
L0161330		0	0.12747E-03	662054.6	4270109.2	61.4	5.00	4.00
4.65	NO							
L0161331		0	0.12747E-03	662054.9	4270100.6	61.5	5.00	4.00
4.65	NO							
L0161332		0	0.12747E-03	662055.1	4270092.0	61.8	5.00	4.00
4.65	NO							
L0161333		0	0.12747E-03	662055.4	4270083.4	62.1	5.00	4.00
4.65	NO							
L0161334		0	0.12747E-03	662055.6	4270074.8	62.3	5.00	4.00
4.65	NO							
L0161335		0	0.12747E-03	662055.9	4270066.2	62.7	5.00	4.00
4.65	NO							
L0161336		0	0.12747E-03	662056.1	4270057.6	63.1	5.00	4.00
4.65	NO							
L0161337		0	0.12747E-03	662056.3	4270049.0	63.5	5.00	4.00
4.65	NO							
L0161338		0	0.12747E-03	662056.6	4270040.4	63.9	5.00	4.00
4.65	NO							
L0161339		0	0.12747E-03	662056.8	4270031.8	64.5	5.00	4.00
4.65	NO							
L0161340		0	0.12747E-03	662057.1	4270023.2	65.1	5.00	4.00
4.65	NO							
L0161341		0	0.12747E-03	662057.3	4270014.6	65.8	5.00	4.00
4.65	NO							
L0161342		0	0.12747E-03	662057.5	4270006.0	66.5	5.00	4.00
4.65	NO							
L0161343		0	0.12747E-03	662057.8	4269997.4	67.5	5.00	4.00
4.65	NO							
L0161344		0	0.12747E-03	662058.0	4269988.8	68.5	5.00	4.00
4.65	NO							
L0161345		0	0.12747E-03	662058.3	4269980.2	69.4	5.00	4.00
4.65	NO							
L0161346		0	0.12747E-03	662058.5	4269971.6	70.4	5.00	4.00
4.65	NO							
L0161347		0	0.12747E-03	662058.8	4269963.0	71.4	5.00	4.00

4.65	NO							
L0161348		0	0.12747E-03	662059.0	4269954.4	72.3	5.00	4.00
4.65	NO							
L0161349		0	0.12747E-03	662059.2	4269945.8	73.3	5.00	4.00
4.65	NO							
L0161350		0	0.12747E-03	662059.5	4269937.3	73.1	5.00	4.00
4.65	NO							
L0161351		0	0.12747E-03	662059.7	4269928.7	72.9	5.00	4.00
4.65	NO							
L0161352		0	0.12747E-03	662060.0	4269920.1	72.7	5.00	4.00
4.65	NO							
L0161353		0	0.12747E-03	662060.2	4269911.5	72.3	5.00	4.00
4.65	NO							
L0161354		0	0.12747E-03	662060.4	4269902.9	71.5	5.00	4.00
4.65	NO							
L0161355		0	0.12747E-03	662060.7	4269894.3	70.7	5.00	4.00
4.65	NO							
L0161356		0	0.12747E-03	662060.9	4269885.7	70.0	5.00	4.00
4.65	NO							
L0161357		0	0.12747E-03	662061.2	4269877.1	69.8	5.00	4.00
4.65	NO							
L0161358		0	0.12747E-03	662061.4	4269868.5	69.8	5.00	4.00
4.65	NO							
L0161359		0	0.12747E-03	662061.7	4269859.9	69.8	5.00	4.00

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 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0161360		0	0.12747E-03	662061.9	4269851.3	69.8	5.00	4.00
4.65	NO							
L0161361		0	0.12747E-03	662062.1	4269842.7	69.8	5.00	4.00
4.65	NO							
L0161362		0	0.12747E-03	662062.4	4269834.1	69.8	5.00	4.00

4.65	NO							
L0161363		0	0.12747E-03	662062.6	4269825.5	69.7	5.00	4.00
4.65	NO							
L0161364		0	0.12747E-03	662066.5	4269820.7	70.1	5.00	4.00
4.65	NO							
L0161365		0	0.12747E-03	662075.1	4269820.8	70.9	5.00	4.00
4.65	NO							
L0161366		0	0.12747E-03	662083.7	4269820.8	71.6	5.00	4.00
4.65	NO							
L0161367		0	0.12747E-03	662092.3	4269820.9	72.3	5.00	4.00
4.65	NO							
L0161368		0	0.12747E-03	662100.9	4269821.0	72.4	5.00	4.00
4.65	NO							
L0161369		0	0.12747E-03	662109.5	4269821.1	72.5	5.00	4.00
4.65	NO							
L0161370		0	0.12747E-03	662118.1	4269821.1	72.8	5.00	4.00
4.65	NO							
L0161371		0	0.12747E-03	662126.7	4269821.2	73.4	5.00	4.00
4.65	NO							
L0161372		0	0.12747E-03	662135.3	4269821.3	74.1	5.00	4.00
4.65	NO							
L0161373		0	0.12747E-03	662143.9	4269821.4	74.7	5.00	4.00
4.65	NO							
L0161374		0	0.12747E-03	662152.5	4269821.4	75.3	5.00	4.00
4.65	NO							
L0161375		0	0.12747E-03	662161.1	4269821.5	76.0	5.00	4.00
4.65	NO							
L0161376		0	0.12747E-03	662169.7	4269821.6	76.3	5.00	4.00
4.65	NO							
L0161377		0	0.12747E-03	662178.3	4269821.7	76.4	5.00	4.00
4.65	NO							
L0161378		0	0.12747E-03	662186.9	4269821.7	76.5	5.00	4.00
4.65	NO							
L0161379		0	0.12747E-03	662195.5	4269821.8	76.3	5.00	4.00
4.65	NO							
L0161380		0	0.12747E-03	662204.1	4269821.9	75.9	5.00	4.00
4.65	NO							
L0161381		0	0.12747E-03	662212.7	4269822.0	75.6	5.00	4.00
4.65	NO							
L0161382		0	0.12747E-03	662221.3	4269822.0	74.5	5.00	4.00
4.65	NO							
L0161383		0	0.12747E-03	662229.9	4269822.1	73.4	5.00	4.00
4.65	NO							
L0161384		0	0.12747E-03	662238.5	4269822.2	72.2	5.00	4.00
4.65	NO							
L0161385		0	0.12747E-03	662247.1	4269822.3	71.0	5.00	4.00
4.65	NO							
L0161386		0	0.12747E-03	662255.7	4269822.3	69.8	5.00	4.00
4.65	NO							
L0161387		0	0.12747E-03	662264.3	4269822.4	68.6	5.00	4.00

4.65	NO							
L0161388		0	0.12747E-03	662272.9	4269822.5	67.5	5.00	4.00
4.65	NO							
L0161389		0	0.12747E-03	662281.5	4269822.6	66.3	5.00	4.00
4.65	NO							
L0161390		0	0.12747E-03	662290.1	4269822.6	65.3	5.00	4.00
4.65	NO							
L0161391		0	0.12747E-03	662298.7	4269822.7	64.5	5.00	4.00
4.65	NO							
L0161392		0	0.12747E-03	662307.3	4269822.8	63.6	5.00	4.00
4.65	NO							
L0161393		0	0.12747E-03	662315.9	4269822.9	62.8	5.00	4.00
4.65	NO							
L0161394		0	0.12747E-03	662324.5	4269822.9	62.1	5.00	4.00
4.65	NO							
L0161395		0	0.12747E-03	662333.1	4269823.0	61.4	5.00	4.00
4.65	NO							
L0161396		0	0.12747E-03	662341.7	4269823.1	60.7	5.00	4.00
4.65	NO							
L0161397		0	0.12747E-03	662350.3	4269823.2	59.9	5.00	4.00
4.65	NO							
L0161398		0	0.12747E-03	662358.9	4269823.2	59.1	5.00	4.00
4.65	NO							
L0161399		0	0.12747E-03	662367.5	4269823.3	58.4	5.00	4.00

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 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0161400		0	0.12747E-03	662376.1	4269823.4	57.6	5.00	4.00
4.65	NO							
L0161401		0	0.12747E-03	662384.7	4269823.5	57.1	5.00	4.00
4.65	NO							
L0161402		0	0.12747E-03	662393.3	4269823.5	57.0	5.00	4.00

4.65	NO							
L0161403		0	0.12747E-03	662401.9	4269823.6	57.0	5.00	4.00
4.65	NO							
L0161404		0	0.12747E-03	662410.5	4269823.7	56.8	5.00	4.00
4.65	NO							
L0161405		0	0.12747E-03	662419.1	4269823.8	56.5	5.00	4.00
4.65	NO							
L0161406		0	0.12747E-03	662427.7	4269823.8	56.1	5.00	4.00
4.65	NO							
L0161407		0	0.12747E-03	662436.3	4269823.9	54.9	5.00	4.00
4.65	NO							
L0161408		0	0.12747E-03	662444.9	4269824.0	53.3	5.00	4.00
4.65	NO							
L0161409		0	0.12747E-03	662453.5	4269824.1	51.8	5.00	4.00
4.65	NO							
L0161410		0	0.12747E-03	662462.1	4269824.1	50.6	5.00	4.00
4.65	NO							
L0161411		0	0.12747E-03	662470.7	4269824.2	49.6	5.00	4.00
4.65	NO							
L0161412		0	0.12747E-03	662479.3	4269824.3	48.6	5.00	4.00
4.65	NO							
L0161413		0	0.12747E-03	662487.9	4269824.4	48.6	5.00	4.00
4.65	NO							
L0161414		0	0.12747E-03	662496.5	4269824.4	48.6	5.00	4.00
4.65	NO							
L0161415		0	0.12747E-03	662505.1	4269824.5	48.7	5.00	4.00
4.65	NO							
L0161416		0	0.12747E-03	662513.7	4269824.6	49.2	5.00	4.00
4.65	NO							
L0161417		0	0.12747E-03	662522.3	4269824.7	49.7	5.00	4.00
4.65	NO							
L0161418		0	0.12747E-03	662530.9	4269824.8	50.2	5.00	4.00
4.65	NO							
L0161419		0	0.12747E-03	662539.5	4269824.8	50.6	5.00	4.00
4.65	NO							
L0161420		0	0.12747E-03	662548.1	4269824.9	51.0	5.00	4.00
4.65	NO							
L0161421		0	0.12747E-03	662556.7	4269825.0	51.5	5.00	4.00
4.65	NO							
L0161422		0	0.12747E-03	662565.3	4269825.1	52.0	5.00	4.00
4.65	NO							
L0161423		0	0.12747E-03	662573.9	4269825.1	52.5	5.00	4.00
4.65	NO							
L0161424		0	0.12747E-03	662582.5	4269825.2	53.7	5.00	4.00
4.65	NO							
L0161425		0	0.12747E-03	662591.1	4269825.3	55.2	5.00	4.00
4.65	NO							
L0161426		0	0.12747E-03	662599.7	4269825.4	56.6	5.00	4.00
4.65	NO							
L0161427		0	0.12747E-03	662608.3	4269825.4	58.1	5.00	4.00

4.65	NO							
L0161428		0	0.12747E-03	662616.9	4269825.5	59.6	5.00	4.00
4.65	NO							
L0161429		0	0.12747E-03	662625.5	4269825.6	61.0	5.00	4.00
4.65	NO							
L0161430		0	0.12747E-03	662634.1	4269825.7	61.6	5.00	4.00
4.65	NO							
L0161431		0	0.12747E-03	662642.7	4269825.7	62.2	5.00	4.00
4.65	NO							
L0161432		0	0.12747E-03	662651.3	4269825.8	62.6	5.00	4.00
4.65	NO							
L0161433		0	0.12747E-03	662659.9	4269825.9	62.5	5.00	4.00
4.65	NO							
L0161434		0	0.12747E-03	662668.5	4269826.0	62.4	5.00	4.00
4.65	NO							
L0161435		0	0.12747E-03	662677.1	4269826.0	61.9	5.00	4.00
4.65	NO							
L0161436		0	0.12747E-03	662685.7	4269826.1	61.1	5.00	4.00
4.65	NO							
L0161437		0	0.12747E-03	662694.3	4269826.2	60.3	5.00	4.00
4.65	NO							
L0161438		0	0.12747E-03	662702.9	4269826.3	59.4	5.00	4.00
4.65	NO							
L0161439		0	0.12747E-03	662711.5	4269826.3	58.5	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					

L0161440		0	0.12747E-03	662720.1	4269826.4	57.6	5.00	4.00
4.65	NO							
L0161441		0	0.12747E-03	662728.7	4269826.5	56.9	5.00	4.00
4.65	NO							
L0161442		0	0.12747E-03	662737.3	4269826.6	56.1	5.00	4.00



4.65	NO							
L0161443		0	0.12747E-03	662745.9	4269826.6	55.3	5.00	4.00
4.65	NO							
L0161444		0	0.12747E-03	662754.5	4269826.7	54.5	5.00	4.00
4.65	NO							
L0161445		0	0.12747E-03	662763.1	4269826.8	53.7	5.00	4.00
4.65	NO							
L0161446		0	0.12747E-03	662771.7	4269826.9	52.9	5.00	4.00
4.65	NO							
L0161447		0	0.12747E-03	662780.3	4269826.9	52.3	5.00	4.00
4.65	NO							
L0161448		0	0.12747E-03	662788.9	4269827.0	51.7	5.00	4.00
4.65	NO							
L0161449		0	0.12747E-03	662797.5	4269827.1	51.3	5.00	4.00
4.65	NO							
L0161450		0	0.12747E-03	662806.1	4269827.2	51.0	5.00	4.00
4.65	NO							
L0161451		0	0.12747E-03	662814.1	4269826.7	50.8	5.00	4.00
4.65	NO							
L0161452		0	0.12747E-03	662814.3	4269818.1	50.6	5.00	4.00
4.65	NO							
L0161453		0	0.12747E-03	662814.6	4269809.5	50.4	5.00	4.00
4.65	NO							
L0161454		0	0.12747E-03	662814.8	4269800.9	50.1	5.00	4.00
4.65	NO							
L0161455		0	0.12747E-03	662815.0	4269792.3	49.8	5.00	4.00
4.65	NO							
L0161456		0	0.12747E-03	662815.3	4269783.7	49.4	5.00	4.00
4.65	NO							
L0161457		0	0.12747E-03	662815.5	4269775.1	49.1	5.00	4.00
4.65	NO							
L0161458		0	0.12747E-03	662815.7	4269766.5	48.8	5.00	4.00
4.65	NO							
L0161459		0	0.12747E-03	662816.0	4269757.9	48.6	5.00	4.00
4.65	NO							
L0161460		0	0.12747E-03	662816.2	4269749.3	48.3	5.00	4.00
4.65	NO							
L0161461		0	0.12747E-03	662816.4	4269740.7	48.4	5.00	4.00
4.65	NO							
L0161462		0	0.12747E-03	662816.6	4269732.1	48.8	5.00	4.00
4.65	NO							
L0161463		0	0.12747E-03	662816.9	4269723.5	49.2	5.00	4.00
4.65	NO							
L0161464		0	0.12747E-03	662817.1	4269714.9	49.7	5.00	4.00
4.65	NO							
L0161465		0	0.12747E-03	662817.3	4269706.3	50.3	5.00	4.00
4.65	NO							
L0161466		0	0.12747E-03	662817.6	4269697.7	51.0	5.00	4.00
4.65	NO							
L0161467		0	0.12747E-03	662817.8	4269689.1	51.7	5.00	4.00

4.65	NO							
L0161468		0	0.12747E-03	662818.0	4269680.5	52.0	5.00	4.00
4.65	NO							
L0161469		0	0.12747E-03	662818.3	4269671.9	51.7	5.00	4.00
4.65	NO							
L0161470		0	0.12747E-03	662818.5	4269663.3	51.4	5.00	4.00
4.65	NO							
L0161471		0	0.12747E-03	662818.7	4269654.7	51.1	5.00	4.00
4.65	NO							
L0161472		0	0.12747E-03	662819.0	4269646.1	50.6	5.00	4.00
4.65	NO							
L0161473		0	0.12747E-03	662819.2	4269637.5	50.0	5.00	4.00
4.65	NO							
L0161474		0	0.12747E-03	662819.4	4269628.9	49.4	5.00	4.00
4.65	NO							
L0161475		0	0.12747E-03	662819.6	4269620.3	48.8	5.00	4.00
4.65	NO							
L0161476		0	0.12747E-03	662819.9	4269611.7	48.7	5.00	4.00
4.65	NO							
L0161477		0	0.12747E-03	662820.1	4269603.1	48.6	5.00	4.00
4.65	NO							
L0161478		0	0.12747E-03	662820.3	4269594.5	48.4	5.00	4.00
4.65	NO							
L0161479		0	0.12747E-03	662820.6	4269585.9	49.2	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0161480		0	0.12747E-03	662820.8	4269577.4	50.4	5.00	4.00
4.65	NO							
L0161481		0	0.12747E-03	662821.0	4269568.8	51.7	5.00	4.00
4.65	NO							
L0161482		0	0.12747E-03	662821.3	4269560.2	53.0	5.00	4.00

4.65	NO							
L0161483		0	0.12747E-03	662821.5	4269551.6	54.6	5.00	4.00
4.65	NO							
L0161484		0	0.12747E-03	662821.7	4269543.0	56.1	5.00	4.00
4.65	NO							
L0161485		0	0.12747E-03	662821.9	4269534.4	57.6	5.00	4.00
4.65	NO							
L0161486		0	0.12747E-03	662822.2	4269525.8	59.2	5.00	4.00
4.65	NO							
L0161487		0	0.12747E-03	662822.4	4269517.2	60.7	5.00	4.00
4.65	NO							
L0161488		0	0.12747E-03	662822.6	4269508.6	62.3	5.00	4.00
4.65	NO							
L0161489		0	0.12747E-03	662822.9	4269500.0	63.8	5.00	4.00
4.65	NO							
L0161490		0	0.12747E-03	662823.1	4269491.4	65.1	5.00	4.00
4.65	NO							
L0161491		0	0.12747E-03	662823.3	4269482.8	66.4	5.00	4.00
4.65	NO							
L0161492		0	0.12747E-03	662823.6	4269474.2	67.6	5.00	4.00
4.65	NO							
L0161493		0	0.12747E-03	662823.8	4269465.6	68.8	5.00	4.00
4.65	NO							
L0161494		0	0.12747E-03	662824.0	4269457.0	69.7	5.00	4.00
4.65	NO							
L0161495		0	0.12747E-03	662824.2	4269448.4	70.6	5.00	4.00
4.65	NO							
L0161496		0	0.12747E-03	662824.5	4269439.8	71.5	5.00	4.00
4.65	NO							
L0161497		0	0.12747E-03	662824.7	4269431.2	71.9	5.00	4.00
4.65	NO							
L0161498		0	0.12747E-03	662824.9	4269422.6	72.1	5.00	4.00
4.65	NO							
L0161499		0	0.12747E-03	662825.2	4269414.0	72.2	5.00	4.00
4.65	NO							
L0161500		0	0.12747E-03	662825.4	4269405.4	72.3	5.00	4.00
4.65	NO							
L0161501		0	0.12747E-03	662825.6	4269396.8	71.5	5.00	4.00
4.65	NO							
L0161502		0	0.12747E-03	662825.9	4269388.2	70.7	5.00	4.00
4.65	NO							
L0161503		0	0.12747E-03	662826.1	4269379.6	69.9	5.00	4.00
4.65	NO							
L0161504		0	0.12747E-03	662826.3	4269371.0	68.9	5.00	4.00
4.65	NO							
L0161505		0	0.12747E-03	662826.6	4269362.4	67.8	5.00	4.00
4.65	NO							
L0161506		0	0.12747E-03	662826.8	4269353.8	66.7	5.00	4.00
4.65	NO							
L0161507		0	0.12747E-03	662827.0	4269345.2	65.6	5.00	4.00

4.65	NO							
L0161508		0	0.12747E-03	662827.2	4269336.6	64.9	5.00	4.00
4.65	NO							
L0161509		0	0.12747E-03	662827.5	4269328.0	64.3	5.00	4.00
4.65	NO							
L0161510		0	0.12747E-03	662827.7	4269319.4	63.6	5.00	4.00
4.65	NO							
L0161511		0	0.12747E-03	662827.9	4269310.8	63.2	5.00	4.00
4.65	NO							
L0161512		0	0.12747E-03	662828.2	4269302.3	63.2	5.00	4.00
4.65	NO							
L0161513		0	0.12747E-03	662828.4	4269293.7	63.1	5.00	4.00
4.65	NO							
L0161514		0	0.12747E-03	662828.6	4269285.1	63.1	5.00	4.00
4.65	NO							
L0161515		0	0.12747E-03	662828.9	4269276.5	63.5	5.00	4.00
4.65	NO							
L0161516		0	0.12747E-03	662829.1	4269267.9	64.1	5.00	4.00
4.65	NO							
L0161517		0	0.12747E-03	662829.3	4269259.3	64.6	5.00	4.00
4.65	NO							
L0161518		0	0.12747E-03	662829.5	4269250.7	65.2	5.00	4.00
4.65	NO							
L0161519		0	0.12747E-03	662829.8	4269242.1	65.8	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0161520		0	0.12747E-03	662830.0	4269233.5	66.5	5.00	4.00
4.65	NO							
L0161521		0	0.12747E-03	662830.2	4269224.9	67.2	5.00	4.00
4.65	NO							
L0161522		0	0.12747E-03	662830.5	4269216.3	68.0	5.00	4.00

4.65	NO							
L0161523		0	0.12747E-03	662830.7	4269207.7	68.8	5.00	4.00
4.65	NO							
L0161524		0	0.12747E-03	662830.9	4269199.1	69.6	5.00	4.00
4.65	NO							
L0161525		0	0.12747E-03	662831.2	4269190.5	70.4	5.00	4.00
4.65	NO							
L0161526		0	0.12747E-03	662831.4	4269181.9	71.3	5.00	4.00
4.65	NO							
L0161527		0	0.12747E-03	662831.6	4269173.3	72.3	5.00	4.00
4.65	NO							
L0161528		0	0.12747E-03	662831.8	4269164.7	73.3	5.00	4.00
4.65	NO							
L0161529		0	0.12747E-03	662832.1	4269156.1	74.2	5.00	4.00
4.65	NO							
L0161530		0	0.12747E-03	662832.3	4269147.5	74.9	5.00	4.00
4.65	NO							
L0161531		0	0.12747E-03	662832.5	4269138.9	75.7	5.00	4.00
4.65	NO							
L0161532		0	0.12747E-03	662832.8	4269130.3	76.4	5.00	4.00
4.65	NO							
L0161533		0	0.12747E-03	662833.0	4269121.7	77.0	5.00	4.00
4.65	NO							
L0161534		0	0.12747E-03	662833.2	4269113.1	77.6	5.00	4.00
4.65	NO							
L0161535		0	0.12747E-03	662833.5	4269104.5	78.2	5.00	4.00
4.65	NO							
L0161536		0	0.12747E-03	662833.7	4269095.9	78.8	5.00	4.00
4.65	NO							
L0161537		0	0.12747E-03	662835.6	4269089.1	79.2	5.00	4.00
4.65	NO							
L0161538		0	0.12747E-03	662844.2	4269089.4	78.7	5.00	4.00
4.65	NO							
L0161539		0	0.12747E-03	662852.8	4269089.6	78.2	5.00	4.00
4.65	NO							
L0161540		0	0.12747E-03	662861.4	4269089.9	77.6	5.00	4.00
4.65	NO							
L0161541		0	0.12747E-03	662870.0	4269090.1	77.1	5.00	4.00
4.65	NO							
L0161542		0	0.12747E-03	662878.6	4269090.4	76.6	5.00	4.00
4.65	NO							
L0161543		0	0.12747E-03	662887.2	4269090.6	76.5	5.00	4.00
4.65	NO							
L0161544		0	0.12747E-03	662895.8	4269090.9	76.6	5.00	4.00
4.65	NO							
L0161545		0	0.12747E-03	662904.4	4269091.1	76.6	5.00	4.00
4.65	NO							
L0161546		0	0.12747E-03	662913.0	4269091.4	76.9	5.00	4.00
4.65	NO							
L0161547		0	0.12747E-03	662921.6	4269091.6	77.2	5.00	4.00

4.65	NO							
L0161548		0	0.12747E-03	662930.2	4269091.9	77.4	5.00	4.00
4.65	NO							
L0161549		0	0.12747E-03	662938.8	4269092.1	77.6	5.00	4.00
4.65	NO							
L0161550		0	0.12747E-03	662947.4	4269092.4	77.8	5.00	4.00
4.65	NO							
L0161551		0	0.12747E-03	662956.0	4269092.6	77.9	5.00	4.00
4.65	NO							
L0161552		0	0.12747E-03	662964.6	4269092.9	77.8	5.00	4.00
4.65	NO							
L0161553		0	0.12747E-03	662973.2	4269093.1	77.8	5.00	4.00
4.65	NO							
L0161554		0	0.12747E-03	662981.8	4269093.4	77.8	5.00	4.00
4.65	NO							
L0161555		0	0.12747E-03	662990.4	4269093.6	77.9	5.00	4.00
4.65	NO							
L0161556		0	0.12747E-03	662998.9	4269093.9	78.0	5.00	4.00
4.65	NO							
L0161557		0	0.12747E-03	663007.5	4269094.1	78.3	5.00	4.00
4.65	NO							
L0161558		0	0.12747E-03	663016.1	4269094.4	78.6	5.00	4.00
4.65	NO							
L0161559		0	0.12747E-03	663024.7	4269094.6	79.0	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								
-----								
-----								
L0161560		0	0.12747E-03	663033.3	4269094.9	79.7	5.00	4.00
4.65	NO							
L0161561		0	0.12747E-03	663041.9	4269095.1	80.5	5.00	4.00
4.65	NO							
L0161562		0	0.12747E-03	663050.5	4269095.4	81.2	5.00	4.00

4.65	NO							
L0161563		0	0.12747E-03	663059.1	4269095.6	82.0	5.00	4.00
4.65	NO							
L0161564		0	0.12747E-03	663067.7	4269095.9	82.8	5.00	4.00
4.65	NO							
L0161565		0	0.12747E-03	663076.3	4269096.1	83.4	5.00	4.00
4.65	NO							
L0161566		0	0.12747E-03	663084.9	4269096.3	83.5	5.00	4.00
4.65	NO							
L0161567		0	0.12747E-03	663093.5	4269096.6	83.7	5.00	4.00
4.65	NO							
L0161568		0	0.12747E-03	663102.1	4269096.8	83.7	5.00	4.00
4.65	NO							
L0161569		0	0.12747E-03	663110.7	4269097.1	83.5	5.00	4.00
4.65	NO							
L0161570		0	0.12747E-03	663119.3	4269097.3	83.2	5.00	4.00
4.65	NO							
L0161571		0	0.12747E-03	663127.9	4269097.6	83.0	5.00	4.00
4.65	NO							
L0161572		0	0.12747E-03	663136.5	4269097.8	82.7	5.00	4.00
4.65	NO							
L0161573		0	0.12747E-03	663145.1	4269098.1	82.3	5.00	4.00
4.65	NO							
L0161574		0	0.12747E-03	663153.7	4269098.3	81.9	5.00	4.00
4.65	NO							
L0161575		0	0.12747E-03	663162.3	4269098.6	81.4	5.00	4.00
4.65	NO							
L0161576		0	0.12747E-03	663170.9	4269098.8	81.0	5.00	4.00
4.65	NO							
L0161577		0	0.12747E-03	663179.5	4269099.1	80.3	5.00	4.00
4.65	NO							
L0161578		0	0.12747E-03	663188.1	4269099.3	79.6	5.00	4.00
4.65	NO							
L0161579		0	0.12747E-03	663196.7	4269099.6	78.9	5.00	4.00
4.65	NO							
L0161580		0	0.12747E-03	663205.3	4269099.8	78.3	5.00	4.00
4.65	NO							
L0161581		0	0.12747E-03	663213.9	4269100.1	77.7	5.00	4.00
4.65	NO							
L0161582		0	0.12747E-03	663222.5	4269100.3	77.1	5.00	4.00
4.65	NO							
L0161583		0	0.12747E-03	663231.1	4269100.6	76.5	5.00	4.00
4.65	NO							
L0161584		0	0.12747E-03	663239.6	4269100.8	75.9	5.00	4.00
4.65	NO							
L0161585		0	0.12747E-03	663248.2	4269101.1	75.3	5.00	4.00
4.65	NO							
L0161586		0	0.12747E-03	663256.8	4269101.3	74.8	5.00	4.00
4.65	NO							
L0161587		0	0.12747E-03	663265.4	4269101.6	74.2	5.00	4.00

4.65	NO							
L0161588		0	0.12747E-03	663274.0	4269101.8	73.8	5.00	4.00
4.65	NO							
L0161589		0	0.12747E-03	663282.6	4269102.1	73.6	5.00	4.00
4.65	NO							
L0161590		0	0.12747E-03	663291.2	4269102.3	73.4	5.00	4.00
4.65	NO							
L0161591		0	0.12747E-03	663299.8	4269102.6	73.9	5.00	4.00
4.65	NO							
L0161592		0	0.12747E-03	663308.4	4269102.8	74.6	5.00	4.00
4.65	NO							
L0161593		0	0.12747E-03	663317.0	4269103.1	75.3	5.00	4.00
4.65	NO							
L0161594		0	0.12747E-03	663325.6	4269103.3	76.5	5.00	4.00
4.65	NO							
L0161595		0	0.12747E-03	663334.2	4269103.6	77.6	5.00	4.00
4.65	NO							
L0161596		0	0.12747E-03	663342.8	4269103.8	78.7	5.00	4.00
4.65	NO							
L0161597		0	0.12747E-03	663351.4	4269104.1	79.8	5.00	4.00
4.65	NO							
L0161598		0	0.12747E-03	663360.0	4269104.3	80.9	5.00	4.00
4.65	NO							
L0161599		0	0.12747E-03	663368.6	4269104.6	81.9	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0161600		0	0.12747E-03	663377.2	4269104.8	82.8	5.00	4.00
4.65	NO							
L0161601		0	0.12747E-03	663385.8	4269105.1	83.6	5.00	4.00
4.65	NO							
L0161602		0	0.12747E-03	663394.4	4269105.3	84.0	5.00	4.00



4.65	NO							
L0161603		0	0.12747E-03	663403.0	4269105.6	84.1	5.00	4.00
4.65	NO							
L0161604		0	0.12747E-03	663411.6	4269105.8	84.1	5.00	4.00
4.65	NO							
L0161605		0	0.12747E-03	663420.2	4269106.1	83.7	5.00	4.00
4.65	NO							
L0161606		0	0.12747E-03	663428.8	4269106.3	83.2	5.00	4.00
4.65	NO							
L0161607		0	0.12747E-03	663437.4	4269106.6	82.7	5.00	4.00
4.65	NO							
L0161608		0	0.12747E-03	663446.0	4269106.8	82.0	5.00	4.00
4.65	NO							
L0161609		0	0.12747E-03	663454.6	4269107.1	81.4	5.00	4.00
4.65	NO							
L0161610		0	0.12747E-03	663463.2	4269107.3	80.8	5.00	4.00
4.65	NO							
L0161611		0	0.12747E-03	663471.7	4269107.6	80.3	5.00	4.00
4.65	NO							
L0161612		0	0.12747E-03	663480.3	4269107.8	79.8	5.00	4.00
4.65	NO							
L0161613		0	0.12747E-03	663488.9	4269108.1	79.2	5.00	4.00
4.65	NO							
L0161614		0	0.12747E-03	663497.5	4269108.3	78.6	5.00	4.00
4.65	NO							
L0161615		0	0.12747E-03	663506.1	4269108.6	78.0	5.00	4.00
4.65	NO							
L0161616		0	0.12747E-03	663514.7	4269108.8	77.5	5.00	4.00
4.65	NO							
L0161617		0	0.12747E-03	663523.3	4269109.1	76.9	5.00	4.00
4.65	NO							
L0161618		0	0.12747E-03	663531.9	4269109.3	76.3	5.00	4.00
4.65	NO							
L0161619		0	0.12747E-03	663540.5	4269109.6	75.7	5.00	4.00
4.65	NO							
L0161620		0	0.12747E-03	663549.1	4269109.8	75.1	5.00	4.00
4.65	NO							
L0161621		0	0.12747E-03	663557.7	4269110.1	74.4	5.00	4.00
4.65	NO							
L0161622		0	0.12747E-03	663566.3	4269110.3	73.6	5.00	4.00
4.65	NO							
L0161623		0	0.12747E-03	663574.9	4269110.6	72.9	5.00	4.00
4.65	NO							
L0161624		0	0.12747E-03	663583.5	4269110.8	72.1	5.00	4.00
4.65	NO							
L0161625		0	0.12747E-03	663592.1	4269111.0	71.5	5.00	4.00
4.65	NO							
L0161626		0	0.12747E-03	663600.7	4269111.3	70.9	5.00	4.00
4.65	NO							
L0161627		0	0.12747E-03	663609.3	4269111.5	70.3	5.00	4.00

4.65	NO							
L0161628		0	0.12747E-03	663617.9	4269111.8	69.9	5.00	4.00
4.65	NO							
L0161629		0	0.12747E-03	663626.5	4269112.0	69.4	5.00	4.00
4.65	NO							
L0161630		0	0.12747E-03	663635.1	4269112.3	68.9	5.00	4.00
4.65	NO							
L0161631		0	0.12747E-03	663643.7	4269112.5	68.2	5.00	4.00
4.65	NO							
L0161632		0	0.12747E-03	663652.3	4269112.8	67.6	5.00	4.00
4.65	NO							
L0161633		0	0.12747E-03	663660.9	4269113.0	67.0	5.00	4.00
4.65	NO							
L0161634		0	0.12747E-03	663669.5	4269113.3	66.5	5.00	4.00
4.65	NO							
L0161635		0	0.12747E-03	663678.1	4269113.5	65.9	5.00	4.00
4.65	NO							
L0161636		0	0.12747E-03	663686.7	4269113.8	65.5	5.00	4.00
4.65	NO							
L0161637		0	0.12747E-03	663695.3	4269114.0	65.1	5.00	4.00
4.65	NO							
L0161638		0	0.12747E-03	663703.9	4269114.3	64.8	5.00	4.00
4.65	NO							
L0161639		0	0.12747E-03	663712.4	4269114.5	64.6	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0161640		0	0.12747E-03	663721.0	4269114.8	64.4	5.00	4.00
4.65	NO							
L0161641		0	0.12747E-03	663729.6	4269115.0	64.3	5.00	4.00
4.65	NO							
L0161642		0	0.12747E-03	663738.2	4269115.3	64.2	5.00	4.00

4.65	NO							
L0161643		0	0.12747E-03	663746.8	4269115.5	64.1	5.00	4.00
4.65	NO							
L0161644		0	0.12747E-03	663755.4	4269115.8	64.2	5.00	4.00
4.65	NO							
L0161645		0	0.12747E-03	663764.0	4269116.0	64.3	5.00	4.00
4.65	NO							
L0161646		0	0.12747E-03	663772.6	4269116.3	64.5	5.00	4.00
4.65	NO							
L0161647		0	0.12747E-03	663781.2	4269116.5	64.7	5.00	4.00
4.65	NO							
L0161648		0	0.12747E-03	663789.8	4269116.8	65.0	5.00	4.00
4.65	NO							
L0161649		0	0.12747E-03	663798.4	4269117.0	65.3	5.00	4.00
4.65	NO							
L0161650		0	0.12747E-03	663807.0	4269117.3	65.6	5.00	4.00
4.65	NO							
L0161651		0	0.12747E-03	663815.6	4269117.5	65.8	5.00	4.00
4.65	NO							
L0161652		0	0.12747E-03	663824.2	4269117.8	66.0	5.00	4.00
4.65	NO							
L0161653		0	0.12747E-03	663832.8	4269118.0	66.1	5.00	4.00
4.65	NO							
L0161654		0	0.12747E-03	663841.4	4269118.3	66.3	5.00	4.00
4.65	NO							
L0161655		0	0.12747E-03	663850.0	4269118.5	66.4	5.00	4.00
4.65	NO							
L0161656		0	0.12747E-03	663858.6	4269118.8	66.4	5.00	4.00
4.65	NO							
L0161657		0	0.12747E-03	663867.2	4269119.0	66.3	5.00	4.00
4.65	NO							
L0161658		0	0.12747E-03	663875.8	4269119.3	66.3	5.00	4.00
4.65	NO							
L0161659		0	0.12747E-03	663884.4	4269119.5	66.4	5.00	4.00
4.65	NO							
L0161660		0	0.12747E-03	663893.0	4269119.8	66.4	5.00	4.00
4.65	NO							
L0161661		0	0.12747E-03	663901.6	4269120.0	66.3	5.00	4.00
4.65	NO							
L0161662		0	0.12747E-03	663910.2	4269120.3	66.1	5.00	4.00
4.65	NO							
L0161663		0	0.12747E-03	663918.8	4269120.5	65.8	5.00	4.00
4.65	NO							
L0161664		0	0.12747E-03	663927.4	4269120.8	65.7	5.00	4.00
4.65	NO							
L0161665		0	0.12747E-03	663936.0	4269121.0	65.7	5.00	4.00
4.65	NO							
L0161666		0	0.12747E-03	663944.6	4269121.3	65.8	5.00	4.00
4.65	NO							
L0161667		0	0.12747E-03	663953.1	4269121.5	65.8	5.00	4.00

4.65	NO							
L0161668		0	0.12747E-03	663961.7	4269121.8	65.9	5.00	4.00
4.65	NO							
L0161669		0	0.12747E-03	663970.3	4269122.0	65.9	5.00	4.00
4.65	NO							
L0161670		0	0.12747E-03	663978.9	4269122.3	65.6	5.00	4.00
4.65	NO							
L0161671		0	0.12747E-03	663987.5	4269122.5	65.4	5.00	4.00
4.65	NO							
L0161672		0	0.12747E-03	663996.1	4269122.8	65.1	5.00	4.00
4.65	NO							
L0161673		0	0.12747E-03	664004.7	4269123.0	64.6	5.00	4.00
4.65	NO							
L0161674		0	0.12747E-03	664013.3	4269123.3	64.1	5.00	4.00
4.65	NO							
L0161675		0	0.12747E-03	664021.9	4269123.5	63.6	5.00	4.00
4.65	NO							
L0161676		0	0.12747E-03	664030.5	4269123.8	63.1	5.00	4.00
4.65	NO							
L0161677		0	0.12747E-03	664039.1	4269124.0	62.6	5.00	4.00
4.65	NO							
L0161678		0	0.12747E-03	664047.7	4269124.3	61.9	5.00	4.00
4.65	NO							
L0161679		0	0.12747E-03	664056.3	4269124.5	61.1	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0161680		0	0.12747E-03	664064.9	4269124.8	60.2	5.00	4.00
4.65	NO							
L0161681		0	0.12747E-03	664073.5	4269125.0	59.0	5.00	4.00
4.65	NO							
L0161682		0	0.12747E-03	664082.1	4269125.3	57.6	5.00	4.00

4.65	NO							
L0161683		0	0.12747E-03	664090.7	4269125.5	56.3	5.00	4.00
4.65	NO							
L0161684		0	0.12747E-03	664099.3	4269125.8	55.2	5.00	4.00
4.65	NO							
L0161685		0	0.12747E-03	664107.9	4269126.0	54.2	5.00	4.00
4.65	NO							
L0161686		0	0.12747E-03	664116.5	4269126.2	53.2	5.00	4.00
4.65	NO							
L0161687		0	0.12747E-03	664125.1	4269126.5	52.8	5.00	4.00
4.65	NO							
L0161688		0	0.12747E-03	664133.7	4269126.7	52.5	5.00	4.00
4.65	NO							
L0161689		0	0.12747E-03	664142.3	4269127.0	52.2	5.00	4.00
4.65	NO							
L0161690		0	0.12747E-03	664150.9	4269127.2	52.2	5.00	4.00
4.65	NO							
L0161691		0	0.12747E-03	664159.5	4269127.5	52.1	5.00	4.00
4.65	NO							
L0161692		0	0.12747E-03	664168.1	4269127.7	52.0	5.00	4.00
4.65	NO							
L0161693		0	0.12747E-03	664176.7	4269128.0	51.8	5.00	4.00
4.65	NO							
L0161694		0	0.12747E-03	664185.2	4269128.2	51.7	5.00	4.00
4.65	NO							
L0161695		0	0.12747E-03	664193.8	4269128.5	51.7	5.00	4.00
4.65	NO							
L0161696		0	0.12747E-03	664202.4	4269128.7	51.7	5.00	4.00
4.65	NO							
L0161697		0	0.12747E-03	664211.0	4269129.0	51.8	5.00	4.00
4.65	NO							
L0161698		0	0.12747E-03	664219.6	4269129.2	51.9	5.00	4.00
4.65	NO							
L0161699		0	0.12747E-03	664228.2	4269129.5	52.1	5.00	4.00
4.65	NO							
L0161700		0	0.12747E-03	664236.8	4269129.7	52.2	5.00	4.00
4.65	NO							
L0161701		0	0.12747E-03	664245.4	4269130.0	52.9	5.00	4.00
4.65	NO							
L0161702		0	0.12747E-03	664254.0	4269130.2	53.6	5.00	4.00
4.65	NO							
L0161703		0	0.12747E-03	664262.6	4269130.5	54.5	5.00	4.00
4.65	NO							
L0161704		0	0.12747E-03	664271.2	4269130.7	55.9	5.00	4.00
4.65	NO							
L0161705		0	0.12747E-03	664279.8	4269131.0	57.3	5.00	4.00
4.65	NO							
L0161706		0	0.12747E-03	664288.4	4269131.2	58.8	5.00	4.00
4.65	NO							
L0161707		0	0.12747E-03	664297.0	4269131.5	60.4	5.00	4.00

4.65	NO							
L0161708		0	0.12747E-03	664305.6	4269131.7	62.0	5.00	4.00
4.65	NO							
L0161709		0	0.12747E-03	664314.2	4269132.0	63.6	5.00	4.00
4.65	NO							
L0161710		0	0.12747E-03	664322.8	4269132.2	65.2	5.00	4.00
4.65	NO							
L0161711		0	0.12747E-03	664331.4	4269132.5	66.8	5.00	4.00
4.65	NO							
L0161712		0	0.12747E-03	664340.0	4269132.7	67.8	5.00	4.00
4.65	NO							
L0161713		0	0.12747E-03	664348.6	4269133.0	68.6	5.00	4.00
4.65	NO							
L0161714		0	0.12747E-03	664357.2	4269133.2	69.5	5.00	4.00
4.65	NO							
L0161715		0	0.12747E-03	664365.8	4269133.5	69.5	5.00	4.00
4.65	NO							
L0161716		0	0.12747E-03	664374.4	4269133.7	69.5	5.00	4.00
4.65	NO							
L0161717		0	0.12747E-03	664383.0	4269134.0	69.4	5.00	4.00
4.65	NO							
L0161718		0	0.12747E-03	664391.6	4269134.2	69.1	5.00	4.00
4.65	NO							
L0161719		0	0.12747E-03	664400.2	4269134.5	68.8	5.00	4.00

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 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								
L0161720		0	0.12747E-03	664408.8	4269134.7	68.3	5.00	4.00
4.65	NO							
L0161721		0	0.12747E-03	664417.4	4269135.0	67.8	5.00	4.00
4.65	NO							
L0161722		0	0.12747E-03	664425.9	4269135.2	67.3	5.00	4.00

4.65	NO							
L0161723		0	0.12747E-03	664434.5	4269135.5	66.7	5.00	4.00
4.65	NO							
L0161724		0	0.12747E-03	664443.1	4269135.7	66.0	5.00	4.00
4.65	NO							
L0161725		0	0.12747E-03	664451.7	4269136.0	65.3	5.00	4.00
4.65	NO							
L0161726		0	0.12747E-03	664460.3	4269136.2	64.8	5.00	4.00
4.65	NO							
L0161727		0	0.12747E-03	664468.9	4269136.5	64.4	5.00	4.00
4.65	NO							
L0161728		0	0.12747E-03	664477.5	4269136.7	64.0	5.00	4.00
4.65	NO							
L0161729		0	0.12747E-03	664486.1	4269137.0	64.1	5.00	4.00
4.65	NO							
L0161730		0	0.12747E-03	664494.7	4269137.2	64.2	5.00	4.00
4.65	NO							
L0161731		0	0.12747E-03	664503.3	4269137.5	64.4	5.00	4.00
4.65	NO							
L0161732		0	0.12747E-03	664511.9	4269137.7	64.9	5.00	4.00
4.65	NO							
L0161733		0	0.12747E-03	664520.5	4269138.0	65.4	5.00	4.00
4.65	NO							
L0161734		0	0.12747E-03	664529.1	4269138.2	66.0	5.00	4.00
4.65	NO							
L0161735		0	0.12747E-03	664537.7	4269138.5	66.6	5.00	4.00
4.65	NO							
L0161736		0	0.12747E-03	664546.3	4269138.7	67.3	5.00	4.00
4.65	NO							
L0161737		0	0.12747E-03	664554.9	4269139.0	67.9	5.00	4.00
4.65	NO							
L0161738		0	0.12747E-03	664563.5	4269139.2	68.5	5.00	4.00
4.65	NO							
L0161739		0	0.12747E-03	664572.1	4269139.5	69.0	5.00	4.00
4.65	NO							
L0161740		0	0.12747E-03	664580.7	4269139.7	69.5	5.00	4.00
4.65	NO							
L0161741		0	0.12747E-03	664589.3	4269140.0	70.0	5.00	4.00
4.65	NO							
L0161742		0	0.12747E-03	664597.9	4269140.2	70.5	5.00	4.00
4.65	NO							
L0161743		0	0.12747E-03	664606.5	4269140.5	71.2	5.00	4.00
4.65	NO							
L0161744		0	0.12747E-03	664615.1	4269140.7	72.1	5.00	4.00
4.65	NO							
L0161745		0	0.12747E-03	664623.7	4269141.0	72.9	5.00	4.00
4.65	NO							
L0161746		0	0.12747E-03	664632.3	4269141.2	74.1	5.00	4.00
4.65	NO							
L0161747		0	0.12747E-03	664640.9	4269141.4	75.2	5.00	4.00

4.65	NO							
L0161748		0	0.12747E-03	664649.5	4269141.7	76.3	5.00	4.00
4.65	NO							
L0161749		0	0.12747E-03	664658.1	4269141.9	77.3	5.00	4.00
4.65	NO							
L0161750		0	0.12747E-03	664666.6	4269142.2	78.2	5.00	4.00
4.65	NO							
L0161751		0	0.12747E-03	664675.2	4269142.4	79.1	5.00	4.00
4.65	NO							
L0161752		0	0.12747E-03	664683.8	4269142.7	79.6	5.00	4.00
4.65	NO							
L0161753		0	0.12747E-03	664692.4	4269142.9	80.2	5.00	4.00
4.65	NO							
L0161754		0	0.12747E-03	664701.0	4269143.2	80.7	5.00	4.00
4.65	NO							
L0161755		0	0.12747E-03	664709.6	4269143.4	81.0	5.00	4.00
4.65	NO							
L0161756		0	0.12747E-03	664718.2	4269143.7	81.3	5.00	4.00
4.65	NO							
L0161757		0	0.12747E-03	664726.8	4269143.9	81.1	5.00	4.00
4.65	NO							
L0161758		0	0.12747E-03	664735.4	4269144.2	80.8	5.00	4.00
4.65	NO							
L0161759		0	0.12747E-03	664744.0	4269144.4	80.4	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0161760		0	0.12747E-03	664752.6	4269144.7	79.6	5.00	4.00
4.65	NO							
L0161761		0	0.12747E-03	664761.2	4269144.9	78.8	5.00	4.00
4.65	NO							
L0161762		0	0.12747E-03	664769.8	4269145.2	78.1	5.00	4.00



4.65	NO							
L0161763		0	0.12747E-03	664778.4	4269145.4	77.3	5.00	4.00
4.65	NO							
L0161764		0	0.12747E-03	664787.0	4269145.7	76.6	5.00	4.00
4.65	NO							
L0161765		0	0.12747E-03	664795.6	4269145.9	75.9	5.00	4.00
4.65	NO							
L0161766		0	0.12747E-03	664804.2	4269146.2	75.2	5.00	4.00
4.65	NO							
L0161767		0	0.12747E-03	664812.8	4269146.4	74.4	5.00	4.00
4.65	NO							
L0161768		0	0.12747E-03	664821.4	4269146.7	74.2	5.00	4.00
4.65	NO							
L0161769		0	0.12747E-03	664830.0	4269146.9	74.5	5.00	4.00
4.65	NO							
L0161770		0	0.12747E-03	664838.6	4269147.2	74.8	5.00	4.00
4.65	NO							
L0161771		0	0.12747E-03	664847.2	4269147.4	75.4	5.00	4.00
4.65	NO							
L0161772		0	0.12747E-03	664855.8	4269147.7	76.2	5.00	4.00
4.65	NO							
L0161773		0	0.12747E-03	664864.4	4269147.9	76.9	5.00	4.00
4.65	NO							
L0161774		0	0.12747E-03	664873.0	4269148.2	76.3	5.00	4.00
4.65	NO							
L0161775		0	0.12747E-03	664881.6	4269148.4	75.3	5.00	4.00
4.65	NO							
L0161776		0	0.12747E-03	664890.2	4269148.7	74.4	5.00	4.00
4.65	NO							
L0161777		0	0.12747E-03	664898.8	4269148.9	74.3	5.00	4.00
4.65	NO							
L0161778		0	0.12747E-03	664907.3	4269149.2	74.2	5.00	4.00
4.65	NO							
L0161779		0	0.12747E-03	664915.9	4269149.4	74.2	5.00	4.00
4.65	NO							
L0161780		0	0.12747E-03	664924.5	4269149.7	74.9	5.00	4.00
4.65	NO							
L0161781		0	0.12747E-03	664933.1	4269149.9	75.5	5.00	4.00
4.65	NO							
L0161782		0	0.12747E-03	664941.7	4269150.2	75.8	5.00	4.00
4.65	NO							
L0161783		0	0.12747E-03	664950.3	4269150.4	75.4	5.00	4.00
4.65	NO							
L0161784		0	0.12747E-03	664958.9	4269150.7	75.1	5.00	4.00
4.65	NO							
L0161785		0	0.12747E-03	664967.5	4269150.9	75.0	5.00	4.00
4.65	NO							
L0161786		0	0.12747E-03	664976.1	4269151.2	75.0	5.00	4.00
4.65	NO							
L0161787		0	0.12747E-03	664984.7	4269151.4	75.1	5.00	4.00

4.65	NO							
L0161788		0	0.12747E-03	664993.3	4269151.7	75.6	5.00	4.00
4.65	NO							
L0161789		0	0.12747E-03	665001.9	4269151.9	76.4	5.00	4.00
4.65	NO							
L0161790		0	0.12747E-03	665010.5	4269152.2	77.1	5.00	4.00
4.65	NO							
L0161791		0	0.12747E-03	665019.1	4269152.4	76.7	5.00	4.00
4.65	NO							
L0161792		0	0.12747E-03	665027.7	4269152.7	76.3	5.00	4.00
4.65	NO							
L0161793		0	0.12747E-03	665036.3	4269152.9	75.8	5.00	4.00
4.65	NO							
L0161794		0	0.12747E-03	665044.9	4269153.2	75.0	5.00	4.00
4.65	NO							
L0161795		0	0.12747E-03	665053.5	4269153.4	74.1	5.00	4.00
4.65	NO							
L0161796		0	0.12747E-03	665062.1	4269153.7	73.5	5.00	4.00
4.65	NO							
L0161797		0	0.12747E-03	665070.7	4269153.9	73.3	5.00	4.00
4.65	NO							
L0161798		0	0.12747E-03	665079.3	4269154.2	73.0	5.00	4.00
4.65	NO							
L0161799		0	0.12747E-03	665087.9	4269154.4	73.0	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					

L0161800		0	0.12747E-03	665096.5	4269154.7	73.0	5.00	4.00
4.65	NO							
L0161801		0	0.12747E-03	665105.1	4269154.9	73.0	5.00	4.00
4.65	NO							
L0161802		0	0.12747E-03	665107.1	4269160.9	73.8	5.00	4.00

4.65	NO							
L0161803		0	0.12747E-03	665106.2	4269169.5	74.8	5.00	4.00
4.65	NO							
L0161804		0	0.12747E-03	665105.3	4269178.0	75.8	5.00	4.00
4.65	NO							
L0161805		0	0.12747E-03	665104.4	4269186.6	76.6	5.00	4.00
4.65	NO							
L0161806		0	0.12747E-03	665103.5	4269195.1	77.5	5.00	4.00
4.65	NO							
L0161807		0	0.12747E-03	665102.6	4269203.7	78.4	5.00	4.00
4.65	NO							
L0161808		0	0.12747E-03	665101.7	4269212.3	79.2	5.00	4.00
4.65	NO							
L0161809		0	0.12747E-03	665100.8	4269220.8	80.0	5.00	4.00
4.65	NO							
L0161810		0	0.12747E-03	665099.9	4269229.4	80.7	5.00	4.00
4.65	NO							
L0161811		0	0.12747E-03	665099.0	4269237.9	81.3	5.00	4.00
4.65	NO							
L0161812		0	0.12747E-03	665098.1	4269246.5	81.3	5.00	4.00
4.65	NO							
L0161813		0	0.12747E-03	665097.2	4269255.0	81.3	5.00	4.00
4.65	NO							
L0161814		0	0.12747E-03	665096.3	4269263.6	81.3	5.00	4.00
4.65	NO							
L0161815		0	0.12747E-03	665095.4	4269272.1	80.8	5.00	4.00
4.65	NO							
L0161816		0	0.12747E-03	665094.5	4269280.7	80.1	5.00	4.00
4.65	NO							
L0161817		0	0.12747E-03	665093.6	4269289.2	79.4	5.00	4.00
4.65	NO							
L0161818		0	0.12747E-03	665092.7	4269297.8	78.6	5.00	4.00
4.65	NO							
L0161819		0	0.12747E-03	665091.8	4269306.3	78.0	5.00	4.00
4.65	NO							
L0161820		0	0.12747E-03	665090.9	4269314.9	77.3	5.00	4.00
4.65	NO							
L0161821		0	0.12747E-03	665090.0	4269323.4	76.7	5.00	4.00
4.65	NO							
L0161822		0	0.12747E-03	665089.1	4269332.0	76.1	5.00	4.00
4.65	NO							
L0161823		0	0.12747E-03	665088.3	4269340.6	75.5	5.00	4.00
4.65	NO							
L0161824		0	0.12747E-03	665087.4	4269349.1	74.9	5.00	4.00
4.65	NO							
L0161825		0	0.12747E-03	665086.5	4269357.7	74.3	5.00	4.00
4.65	NO							
L0161826		0	0.12747E-03	665085.6	4269366.2	73.8	5.00	4.00
4.65	NO							
L0161827		0	0.12747E-03	665084.7	4269374.8	73.1	5.00	4.00

4.65	NO							
L0161828		0	0.12747E-03	665083.8	4269383.3	72.5	5.00	4.00
4.65	NO							
L0161829		0	0.12747E-03	665082.9	4269391.9	72.0	5.00	4.00
4.65	NO							
L0161830		0	0.12747E-03	665082.0	4269400.4	72.0	5.00	4.00
4.65	NO							
L0161831		0	0.12747E-03	665081.1	4269409.0	71.9	5.00	4.00
4.65	NO							
L0161832		0	0.12747E-03	665080.2	4269417.5	71.8	5.00	4.00
4.65	NO							
L0161833		0	0.12747E-03	665079.3	4269426.1	72.0	5.00	4.00
4.65	NO							
L0161834		0	0.12747E-03	665078.4	4269434.6	72.3	5.00	4.00
4.65	NO							
L0161835		0	0.12747E-03	665077.5	4269443.2	72.7	5.00	4.00
4.65	NO							
L0161836		0	0.12747E-03	665076.6	4269451.7	73.1	5.00	4.00
4.65	NO							
L0161837		0	0.12747E-03	665075.7	4269460.3	73.8	5.00	4.00
4.65	NO							
L0161838		0	0.12747E-03	665074.8	4269468.9	74.5	5.00	4.00
4.65	NO							
L0161839		0	0.12747E-03	665073.9	4269477.4	75.1	5.00	4.00

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 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE	SOURCE	EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	ID	SCALAR	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)
(METERS)		CATS.	VARY		(METERS)	(METERS)	(METERS)	(METERS)
		BY						
L0161840		0	0.12747E-03	665073.0	4269486.0	75.8	5.00	4.00
4.65	NO							
L0161841		0	0.12747E-03	665072.1	4269494.5	76.2	5.00	4.00
4.65	NO							
L0161842		0	0.12747E-03	665071.2	4269503.1	76.7	5.00	4.00

4.65	NO							
L0161843		0	0.12747E-03	665070.4	4269511.6	77.1	5.00	4.00
4.65	NO							
L0161844		0	0.12747E-03	665069.5	4269520.2	77.1	5.00	4.00
4.65	NO							
L0161845		0	0.12747E-03	665068.6	4269528.7	76.9	5.00	4.00
4.65	NO							
L0161846		0	0.12747E-03	665067.7	4269537.3	76.8	5.00	4.00
4.65	NO							
L0161847		0	0.12747E-03	665066.8	4269545.8	76.7	5.00	4.00
4.65	NO							
L0161848		0	0.12747E-03	665065.9	4269554.4	76.4	5.00	4.00
4.65	NO							
L0161849		0	0.12747E-03	665065.0	4269562.9	76.1	5.00	4.00
4.65	NO							
L0161850		0	0.12747E-03	665064.1	4269571.5	75.9	5.00	4.00
4.65	NO							
L0161851		0	0.12747E-03	665063.2	4269580.0	75.5	5.00	4.00
4.65	NO							
L0161852		0	0.12747E-03	665062.3	4269588.6	75.0	5.00	4.00
4.65	NO							
L0161853		0	0.12747E-03	665061.4	4269597.2	74.5	5.00	4.00
4.65	NO							
L0161854		0	0.12747E-03	665060.5	4269605.7	74.0	5.00	4.00
4.65	NO							
L0161855		0	0.12747E-03	665059.6	4269614.3	73.5	5.00	4.00
4.65	NO							
L0161856		0	0.12747E-03	665058.7	4269622.8	73.0	5.00	4.00
4.65	NO							
L0161857		0	0.12747E-03	665057.8	4269631.4	72.5	5.00	4.00
4.65	NO							
L0161858		0	0.12747E-03	665056.9	4269639.9	72.1	5.00	4.00
4.65	NO							
L0161859		0	0.12747E-03	665056.0	4269648.5	71.8	5.00	4.00
4.65	NO							
L0161860		0	0.12747E-03	665055.1	4269657.0	71.6	5.00	4.00
4.65	NO							
L0161861		0	0.12747E-03	665054.2	4269665.6	71.4	5.00	4.00
4.65	NO							
L0161862		0	0.12747E-03	665053.3	4269674.1	71.0	5.00	4.00
4.65	NO							
L0161863		0	0.12747E-03	665052.4	4269682.7	70.5	5.00	4.00
4.65	NO							
L0161864		0	0.12747E-03	665051.6	4269691.2	70.0	5.00	4.00
4.65	NO							
L0161865		0	0.12747E-03	665050.7	4269699.8	69.5	5.00	4.00
4.65	NO							
L0161866		0	0.12747E-03	665049.8	4269708.3	69.1	5.00	4.00
4.65	NO							
L0161867		0	0.12747E-03	665048.9	4269716.9	68.8	5.00	4.00

4.65	NO							
L0161868		0	0.12747E-03	665044.7	4269721.6	68.4	5.00	4.00
4.65	NO							
L0161869		0	0.12747E-03	665036.1	4269721.2	68.1	5.00	4.00
4.65	NO							
L0161870		0	0.12747E-03	665027.5	4269720.8	67.8	5.00	4.00
4.65	NO							
L0161871		0	0.12747E-03	665018.9	4269720.4	67.8	5.00	4.00
4.65	NO							
L0161872		0	0.12747E-03	665010.3	4269720.0	68.1	5.00	4.00
4.65	NO							
L0161873		0	0.12747E-03	665001.7	4269719.6	68.4	5.00	4.00
4.65	NO							
L0161874		0	0.12747E-03	664993.1	4269719.3	69.2	5.00	4.00
4.65	NO							
L0161875		0	0.12747E-03	664984.5	4269718.9	70.3	5.00	4.00
4.65	NO							
L0161876		0	0.12747E-03	664975.9	4269718.5	71.4	5.00	4.00
4.65	NO							
L0161877		0	0.12747E-03	664967.4	4269718.1	72.5	5.00	4.00
4.65	NO							
L0161878		0	0.12747E-03	664958.8	4269717.7	73.7	5.00	4.00
4.65	NO							
L0161879		0	0.12747E-03	664950.2	4269717.3	74.8	5.00	4.00

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 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0161880		0	0.12747E-03	664941.6	4269716.9	75.3	5.00	4.00
4.65	NO							
L0161881		0	0.12747E-03	664933.0	4269716.5	75.9	5.00	4.00
4.65	NO							
L0161882		0	0.12747E-03	664924.4	4269716.1	76.1	5.00	4.00

4.65	NO							
L0161883		0	0.12747E-03	664915.8	4269715.7	75.5	5.00	4.00
4.65	NO							
L0161884		0	0.12747E-03	664907.2	4269715.3	74.9	5.00	4.00
4.65	NO							
L0161885		0	0.12747E-03	664898.6	4269714.9	74.7	5.00	4.00
4.65	NO							
L0161886		0	0.12747E-03	664890.0	4269714.5	74.9	5.00	4.00
4.65	NO							
L0161887		0	0.12747E-03	664881.4	4269714.1	75.1	5.00	4.00
4.65	NO							
L0161888		0	0.12747E-03	664872.9	4269713.7	75.4	5.00	4.00
4.65	NO							
L0161889		0	0.12747E-03	664864.3	4269713.4	75.8	5.00	4.00
4.65	NO							
L0161890		0	0.12747E-03	664855.7	4269713.0	76.2	5.00	4.00
4.65	NO							
L0161891		0	0.12747E-03	664847.1	4269712.6	75.7	5.00	4.00
4.65	NO							
L0161892		0	0.12747E-03	664838.5	4269712.2	75.0	5.00	4.00
4.65	NO							
L0161893		0	0.12747E-03	664829.9	4269711.8	74.2	5.00	4.00
4.65	NO							
L0161894		0	0.12747E-03	664821.3	4269711.4	73.6	5.00	4.00
4.65	NO							
L0161895		0	0.12747E-03	664812.7	4269711.0	73.0	5.00	4.00
4.65	NO							
L0161896		0	0.12747E-03	664804.1	4269710.6	72.4	5.00	4.00
4.65	NO							
L0161897		0	0.12747E-03	664795.5	4269710.2	72.0	5.00	4.00
4.65	NO							
L0161898		0	0.12747E-03	664786.9	4269709.8	71.6	5.00	4.00
4.65	NO							
L0161899		0	0.12747E-03	664778.4	4269709.4	71.5	5.00	4.00
4.65	NO							
L0161900		0	0.12747E-03	664769.8	4269709.0	71.7	5.00	4.00
4.65	NO							
L0161901		0	0.12747E-03	664761.2	4269708.6	71.8	5.00	4.00
4.65	NO							
L0161902		0	0.12747E-03	664752.6	4269708.2	71.9	5.00	4.00
4.65	NO							
L0161903		0	0.12747E-03	664744.0	4269707.8	72.0	5.00	4.00
4.65	NO							
L0161904		0	0.12747E-03	664735.4	4269707.4	72.0	5.00	4.00
4.65	NO							
L0161905		0	0.12747E-03	664726.8	4269707.1	72.2	5.00	4.00
4.65	NO							
L0161906		0	0.12747E-03	664718.2	4269706.7	72.4	5.00	4.00
4.65	NO							
L0161907		0	0.12747E-03	664709.6	4269706.3	72.6	5.00	4.00

4.65	NO							
L0161908		0	0.12747E-03	664701.0	4269705.9	72.7	5.00	4.00
4.65	NO							
L0161909		0	0.12747E-03	664692.4	4269705.5	72.9	5.00	4.00
4.65	NO							
L0161910		0	0.12747E-03	664683.9	4269705.1	72.9	5.00	4.00
4.65	NO							
L0161911		0	0.12747E-03	664675.3	4269704.7	72.5	5.00	4.00
4.65	NO							
L0161912		0	0.12747E-03	664666.7	4269704.3	72.1	5.00	4.00
4.65	NO							
L0161913		0	0.12747E-03	664658.1	4269703.9	71.7	5.00	4.00
4.65	NO							
L0161914		0	0.12747E-03	664649.5	4269703.5	71.1	5.00	4.00
4.65	NO							
L0161915		0	0.12747E-03	664640.9	4269703.1	70.5	5.00	4.00
4.65	NO							
L0161916		0	0.12747E-03	664632.3	4269702.7	69.7	5.00	4.00
4.65	NO							
L0161917		0	0.12747E-03	664623.7	4269702.3	68.8	5.00	4.00
4.65	NO							
L0161918		0	0.12747E-03	664615.1	4269701.9	68.0	5.00	4.00
4.65	NO							
L0161919		0	0.12747E-03	664606.5	4269701.5	67.0	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0161920		0	0.12747E-03	664597.9	4269701.2	66.1	5.00	4.00
4.65	NO							
L0161921		0	0.12747E-03	664589.4	4269700.8	65.2	5.00	4.00
4.65	NO							
L0161922		0	0.12747E-03	664580.8	4269700.4	64.3	5.00	4.00



4.65	NO							
L0161923		0	0.12747E-03	664572.2	4269700.0	63.4	5.00	4.00
4.65	NO							
L0161924		0	0.12747E-03	664563.6	4269699.6	62.5	5.00	4.00
4.65	NO							
L0161925		0	0.12747E-03	664555.0	4269699.2	61.9	5.00	4.00
4.65	NO							
L0161926		0	0.12747E-03	664546.4	4269698.8	61.3	5.00	4.00
4.65	NO							
L0161927		0	0.12747E-03	664537.8	4269698.4	60.8	5.00	4.00
4.65	NO							
L0161928		0	0.12747E-03	664529.2	4269698.0	60.5	5.00	4.00
4.65	NO							
L0161929		0	0.12747E-03	664520.6	4269697.6	60.3	5.00	4.00
4.65	NO							
L0161930		0	0.12747E-03	664512.0	4269697.2	60.1	5.00	4.00
4.65	NO							
L0161931		0	0.12747E-03	664503.4	4269696.8	60.0	5.00	4.00
4.65	NO							
L0161932		0	0.12747E-03	664494.8	4269696.4	59.8	5.00	4.00
4.65	NO							
L0161933		0	0.12747E-03	664486.3	4269696.0	60.1	5.00	4.00
4.65	NO							
L0161934		0	0.12747E-03	664477.7	4269695.6	60.7	5.00	4.00
4.65	NO							
L0161935		0	0.12747E-03	664469.1	4269695.3	61.3	5.00	4.00
4.65	NO							
L0161936		0	0.12747E-03	664460.5	4269694.9	62.1	5.00	4.00
4.65	NO							
L0161937		0	0.12747E-03	664451.9	4269694.5	63.0	5.00	4.00
4.65	NO							
L0161938		0	0.12747E-03	664443.3	4269694.1	63.9	5.00	4.00
4.65	NO							
L0161939		0	0.12747E-03	664434.7	4269693.7	64.7	5.00	4.00
4.65	NO							
L0161940		0	0.12747E-03	664426.1	4269693.3	65.5	5.00	4.00
4.65	NO							
L0161941		0	0.12747E-03	664417.5	4269692.9	66.3	5.00	4.00
4.65	NO							
L0161942		0	0.12747E-03	664408.9	4269692.5	67.4	5.00	4.00
4.65	NO							
L0161943		0	0.12747E-03	664400.3	4269692.1	68.4	5.00	4.00
4.65	NO							
L0161944		0	0.12747E-03	664391.8	4269691.7	69.2	5.00	4.00
4.65	NO							
L0161945		0	0.12747E-03	664383.2	4269691.3	69.6	5.00	4.00
4.65	NO							
L0161946		0	0.12747E-03	664374.6	4269690.9	70.1	5.00	4.00
4.65	NO							
L0161947		0	0.12747E-03	664366.0	4269690.5	70.1	5.00	4.00

4.65	NO							
L0161948		0	0.12747E-03	664357.4	4269690.1	69.9	5.00	4.00
4.65	NO							
L0161949		0	0.12747E-03	664348.8	4269689.7	69.7	5.00	4.00
4.65	NO							
L0161950		0	0.12747E-03	664340.2	4269689.3	69.0	5.00	4.00
4.65	NO							
L0161951		0	0.12747E-03	664331.6	4269689.0	68.0	5.00	4.00
4.65	NO							
L0161952		0	0.12747E-03	664323.0	4269688.6	67.0	5.00	4.00
4.65	NO							
L0161953		0	0.12747E-03	664314.4	4269688.2	66.0	5.00	4.00
4.65	NO							
L0161954		0	0.12747E-03	664305.8	4269687.8	64.9	5.00	4.00
4.65	NO							
L0161955		0	0.12747E-03	664297.3	4269687.4	63.9	5.00	4.00
4.65	NO							
L0161956		0	0.12747E-03	664288.7	4269687.0	63.9	5.00	4.00
4.65	NO							
L0161957		0	0.12747E-03	664280.1	4269686.6	63.9	5.00	4.00
4.65	NO							
L0161958		0	0.12747E-03	664271.5	4269686.2	64.0	5.00	4.00
4.65	NO							
L0161959		0	0.12747E-03	664262.9	4269685.8	64.5	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0161960		0	0.12747E-03	664254.3	4269685.4	65.0	5.00	4.00
4.65	NO							
L0161961		0	0.12747E-03	664245.7	4269685.0	65.6	5.00	4.00
4.65	NO							
L0161962		0	0.12747E-03	664237.1	4269684.6	66.2	5.00	4.00

4.65	NO							
L0161963		0	0.12747E-03	664228.5	4269684.2	66.8	5.00	4.00
4.65	NO							
L0161964		0	0.12747E-03	664219.9	4269683.8	67.4	5.00	4.00
4.65	NO							
L0161965		0	0.12747E-03	664211.3	4269683.4	68.0	5.00	4.00
4.65	NO							
L0161966		0	0.12747E-03	664202.8	4269683.1	68.6	5.00	4.00
4.65	NO							
L0161967		0	0.12747E-03	664194.2	4269682.7	69.0	5.00	4.00
4.65	NO							
L0161968		0	0.12747E-03	664185.6	4269682.3	69.4	5.00	4.00
4.65	NO							
L0161969		0	0.12747E-03	664184.3	4269690.2	69.6	5.00	4.00
4.65	NO							
L0161970		0	0.12747E-03	664183.7	4269698.8	69.8	5.00	4.00
4.65	NO							
L0161971		0	0.12747E-03	664183.0	4269707.4	70.0	5.00	4.00
4.65	NO							
L0161972		0	0.12747E-03	664182.3	4269715.9	70.3	5.00	4.00
4.65	NO							
L0161973		0	0.12747E-03	664181.7	4269724.5	70.6	5.00	4.00
4.65	NO							
L0161974		0	0.12747E-03	664181.0	4269733.1	70.9	5.00	4.00
4.65	NO							
L0161975		0	0.12747E-03	664180.3	4269741.7	71.2	5.00	4.00
4.65	NO							
L0161976		0	0.12747E-03	664179.7	4269750.2	72.0	5.00	4.00
4.65	NO							
L0161977		0	0.12747E-03	664179.0	4269758.8	72.9	5.00	4.00
4.65	NO							
L0161978		0	0.12747E-03	664178.3	4269767.4	73.7	5.00	4.00
4.65	NO							
L0161979		0	0.12747E-03	664177.6	4269776.0	74.6	5.00	4.00
4.65	NO							
L0161980		0	0.12747E-03	664177.0	4269784.5	75.8	5.00	4.00
4.65	NO							
L0161981		0	0.12747E-03	664176.3	4269793.1	77.0	5.00	4.00
4.65	NO							
L0161982		0	0.12747E-03	664175.6	4269801.7	78.1	5.00	4.00
4.65	NO							
L0161983		0	0.12747E-03	664175.0	4269810.2	78.1	5.00	4.00
4.65	NO							
L0161984		0	0.12747E-03	664174.3	4269818.8	77.6	5.00	4.00
4.65	NO							
L0161985		0	0.12747E-03	664173.6	4269827.4	77.1	5.00	4.00
4.65	NO							
L0161986		0	0.12747E-03	664172.9	4269836.0	76.4	5.00	4.00
4.65	NO							
L0161987		0	0.12747E-03	664172.3	4269844.5	75.0	5.00	4.00

4.65	NO							
L0161988		0	0.12747E-03	664171.6	4269853.1	73.7	5.00	4.00
4.65	NO							
L0161989		0	0.12747E-03	664170.9	4269861.7	72.3	5.00	4.00
4.65	NO							
L0161990		0	0.12747E-03	664170.3	4269870.3	71.3	5.00	4.00
4.65	NO							
L0161991		0	0.12747E-03	664169.6	4269878.8	70.4	5.00	4.00
4.65	NO							
L0161992		0	0.12747E-03	664168.9	4269887.4	69.6	5.00	4.00
4.65	NO							
L0161993		0	0.12747E-03	664168.3	4269896.0	68.7	5.00	4.00
4.65	NO							
L0161994		0	0.12747E-03	664167.6	4269904.6	68.1	5.00	4.00
4.65	NO							
L0161995		0	0.12747E-03	664166.9	4269913.1	67.6	5.00	4.00
4.65	NO							
L0161996		0	0.12747E-03	664166.2	4269921.7	67.0	5.00	4.00
4.65	NO							
L0161997		0	0.12747E-03	664165.6	4269930.3	66.6	5.00	4.00
4.65	NO							
L0161998		0	0.12747E-03	664164.9	4269938.9	66.4	5.00	4.00
4.65	NO							
L0161999		0	0.12747E-03	664164.2	4269947.4	66.2	5.00	4.00

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 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								
L0162000		0	0.12747E-03	664163.6	4269956.0	66.0	5.00	4.00
4.65	NO							
L0162001		0	0.12747E-03	664162.9	4269964.6	66.3	5.00	4.00
4.65	NO							
L0162002		0	0.12747E-03	664162.2	4269973.1	66.6	5.00	4.00

4.65	NO							
L0162003		0	0.12747E-03	664161.5	4269981.7	67.0	5.00	4.00
4.65	NO							
L0162004		0	0.12747E-03	664160.9	4269990.3	67.4	5.00	4.00
4.65	NO							
L0162005		0	0.12747E-03	664160.2	4269998.9	68.1	5.00	4.00
4.65	NO							
L0162006		0	0.12747E-03	664159.5	4270007.4	68.9	5.00	4.00
4.65	NO							
L0162007		0	0.12747E-03	664158.9	4270016.0	69.6	5.00	4.00
4.65	NO							
L0162008		0	0.12747E-03	664158.2	4270024.6	70.6	5.00	4.00
4.65	NO							
L0162009		0	0.12747E-03	664157.5	4270033.2	71.8	5.00	4.00
4.65	NO							
L0162010		0	0.12747E-03	664156.9	4270041.7	73.0	5.00	4.00
4.65	NO							
L0162011		0	0.12747E-03	664156.2	4270050.3	74.1	5.00	4.00
4.65	NO							
L0162012		0	0.12747E-03	664155.5	4270058.9	75.2	5.00	4.00
4.65	NO							
L0162013		0	0.12747E-03	664154.8	4270067.5	76.2	5.00	4.00
4.65	NO							
L0162014		0	0.12747E-03	664154.2	4270076.0	77.2	5.00	4.00
4.65	NO							
L0162015		0	0.12747E-03	664153.5	4270084.6	78.1	5.00	4.00
4.65	NO							
L0162016		0	0.12747E-03	664152.8	4270093.2	79.1	5.00	4.00
4.65	NO							
L0162017		0	0.12747E-03	664152.2	4270101.8	80.0	5.00	4.00
4.65	NO							
L0162018		0	0.12747E-03	664151.5	4270110.3	81.0	5.00	4.00
4.65	NO							
L0162019		0	0.12747E-03	664150.8	4270118.9	81.9	5.00	4.00
4.65	NO							
L0162020		0	0.12747E-03	664150.1	4270127.5	82.8	5.00	4.00
4.65	NO							
L0162021		0	0.12747E-03	664149.5	4270136.1	83.7	5.00	4.00
4.65	NO							
L0162022		0	0.12747E-03	664148.8	4270144.6	84.5	5.00	4.00
4.65	NO							
L0162023		0	0.12747E-03	664148.1	4270153.2	84.9	5.00	4.00
4.65	NO							
L0162024		0	0.12747E-03	664147.5	4270161.8	85.3	5.00	4.00
4.65	NO							
L0162025		0	0.12747E-03	664146.8	4270170.3	85.6	5.00	4.00
4.65	NO							
L0162026		0	0.12747E-03	664146.1	4270178.9	85.3	5.00	4.00
4.65	NO							
L0162027		0	0.12747E-03	664145.5	4270187.5	84.6	5.00	4.00

4.65	NO	L0162028	0	0.12747E-03	664144.8	4270196.1	83.9	5.00	4.00
4.65	NO	L0162029	0	0.12747E-03	664144.1	4270204.6	83.2	5.00	4.00
4.65	NO	L0162030	0	0.12747E-03	664143.4	4270213.2	83.1	5.00	4.00
4.65	NO	L0162031	0	0.12747E-03	664142.8	4270221.8	83.0	5.00	4.00
4.65	NO	L0162032	0	0.12747E-03	664142.1	4270230.4	82.8	5.00	4.00
4.65	NO	L0162033	0	0.12747E-03	664141.4	4270238.9	82.8	5.00	4.00
4.65	NO	L0162034	0	0.12747E-03	664140.8	4270247.5	82.9	5.00	4.00
4.65	NO	L0162035	0	0.12747E-03	664140.1	4270256.1	82.9	5.00	4.00
4.65	NO	L0162036	0	0.12747E-03	664139.4	4270264.7	82.8	5.00	4.00
4.65	NO	L0162037	0	0.12747E-03	664138.7	4270273.2	82.1	5.00	4.00
4.65	NO	L0162038	0	0.12747E-03	664138.1	4270281.8	81.2	5.00	4.00
4.65	NO	L0162039	0	0.12747E-03	664137.4	4270290.4	80.4	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE	SOURCE	EMISSION	PART.	(GRAMS/SEC)	X	ELEV.	HEIGHT	SY
SZ	ID	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					

4.65	NO	L0162040	0	0.12747E-03	664136.7	4270299.0	79.5	5.00	4.00
4.65	NO	L0162041	0	0.12747E-03	664136.1	4270307.5	78.6	5.00	4.00
4.65	NO	L0162042	0	0.12747E-03	664135.4	4270316.1	77.7	5.00	4.00

4.65	NO							
L0162043		0	0.12747E-03	664134.7	4270324.7	76.8	5.00	4.00
4.65	NO							
L0162044		0	0.12747E-03	664134.1	4270333.2	76.9	5.00	4.00
4.65	NO							
L0162045		0	0.12747E-03	664133.4	4270341.8	77.6	5.00	4.00
4.65	NO							
L0162046		0	0.12747E-03	664132.7	4270350.4	78.2	5.00	4.00
4.65	NO							
L0162047		0	0.12747E-03	664132.0	4270359.0	78.9	5.00	4.00
4.65	NO							
L0162048		0	0.12747E-03	664131.4	4270367.5	79.7	5.00	4.00
4.65	NO							
L0162049		0	0.12747E-03	664130.7	4270376.1	80.5	5.00	4.00
4.65	NO							
L0162050		0	0.12747E-03	664130.0	4270384.7	81.3	5.00	4.00
4.65	NO							
L0162051		0	0.12747E-03	664129.4	4270393.3	81.7	5.00	4.00
4.65	NO							
L0162052		0	0.12747E-03	664128.7	4270401.8	81.7	5.00	4.00
4.65	NO							
L0162053		0	0.12747E-03	664128.0	4270410.4	81.7	5.00	4.00
4.65	NO							
L0162054		0	0.12747E-03	664127.3	4270419.0	81.7	5.00	4.00
4.65	NO							
L0162055		0	0.12747E-03	664126.7	4270427.6	80.9	5.00	4.00
4.65	NO							
L0162056		0	0.12747E-03	664126.0	4270436.1	80.1	5.00	4.00
4.65	NO							
L0162057		0	0.12747E-03	664125.3	4270444.7	79.2	5.00	4.00
4.65	NO							
L0162058		0	0.12747E-03	664124.7	4270453.3	78.5	5.00	4.00
4.65	NO							
L0162059		0	0.12747E-03	664124.0	4270461.9	78.2	5.00	4.00
4.65	NO							
L0162060		0	0.12747E-03	664123.3	4270470.4	77.9	5.00	4.00
4.65	NO							
L0162061		0	0.12747E-03	664122.7	4270479.0	77.7	5.00	4.00
4.65	NO							
L0162062		0	0.12747E-03	664122.0	4270487.6	78.4	5.00	4.00
4.65	NO							
L0162063		0	0.12747E-03	664121.3	4270496.2	79.4	5.00	4.00
4.65	NO							
L0162064		0	0.12747E-03	664120.6	4270504.7	80.5	5.00	4.00
4.65	NO							
L0162065		0	0.12747E-03	664120.0	4270513.3	81.4	5.00	4.00
4.65	NO							
L0162066		0	0.12747E-03	664119.3	4270521.9	81.6	5.00	4.00
4.65	NO							
L0162067		0	0.12747E-03	664118.6	4270530.4	81.8	5.00	4.00

4.65	NO							
L0162068		0	0.12747E-03	664118.0	4270539.0	82.0	5.00	4.00
4.65	NO							
L0162069		0	0.12747E-03	664117.3	4270547.6	81.6	5.00	4.00
4.65	NO							
L0162070		0	0.12747E-03	664116.6	4270556.2	80.7	5.00	4.00
4.65	NO							
L0162071		0	0.12747E-03	664115.9	4270564.7	79.8	5.00	4.00
4.65	NO							
L0162072		0	0.12747E-03	664115.3	4270573.3	78.8	5.00	4.00
4.65	NO							
L0162073		0	0.12747E-03	664114.6	4270581.9	77.6	5.00	4.00
4.65	NO							
L0162074		0	0.12747E-03	664113.9	4270590.5	76.5	5.00	4.00
4.65	NO							
L0162075		0	0.12747E-03	664113.3	4270599.0	75.3	5.00	4.00
4.65	NO							
L0162076		0	0.12747E-03	664112.6	4270607.6	74.5	5.00	4.00
4.65	NO							
L0162077		0	0.12747E-03	664111.9	4270616.2	74.5	5.00	4.00
4.65	NO							
L0162078		0	0.12747E-03	664111.3	4270624.8	74.4	5.00	4.00
4.65	NO							
L0162079		0	0.12747E-03	664110.6	4270633.3	74.4	5.00	4.00

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\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					

L0162080		0	0.12747E-03	664109.9	4270641.9	75.2	5.00	4.00
4.65	NO							
L0162081		0	0.12747E-03	664109.2	4270650.5	76.4	5.00	4.00
4.65	NO							
L0162082		0	0.12747E-03	664108.6	4270659.1	77.5	5.00	4.00



4.65	NO							
L0162083		0	0.12747E-03	664107.9	4270667.6	78.4	5.00	4.00
4.65	NO							
L0162084		0	0.12747E-03	664107.2	4270676.2	78.2	5.00	4.00
4.65	NO							
L0162085		0	0.12747E-03	664106.6	4270684.8	78.0	5.00	4.00
4.65	NO							
L0162086		0	0.12747E-03	664105.9	4270693.3	77.9	5.00	4.00
4.65	NO							
L0162087		0	0.12747E-03	664105.2	4270701.9	77.3	5.00	4.00
4.65	NO							
L0162088		0	0.12747E-03	664104.6	4270710.5	76.5	5.00	4.00
4.65	NO							
L0162089		0	0.12747E-03	664103.9	4270719.1	75.6	5.00	4.00
4.65	NO							
L0162090		0	0.12747E-03	664103.2	4270727.6	74.9	5.00	4.00
4.65	NO							
L0162091		0	0.12747E-03	664102.5	4270736.2	75.4	5.00	4.00
4.65	NO							
L0162092		0	0.12747E-03	664101.9	4270744.8	75.9	5.00	4.00
4.65	NO							
L0162093		0	0.12747E-03	664101.2	4270753.4	76.4	5.00	4.00
4.65	NO							
L0162094		0	0.12747E-03	664100.5	4270761.9	77.0	5.00	4.00
4.65	NO							
L0162095		0	0.12747E-03	664099.9	4270770.5	77.5	5.00	4.00
4.65	NO							
L0162096		0	0.12747E-03	664099.2	4270779.1	78.1	5.00	4.00
4.65	NO							
L0162097		0	0.12747E-03	664098.5	4270787.7	78.6	5.00	4.00
4.65	NO							
L0162098		0	0.12747E-03	664097.8	4270796.2	78.3	5.00	4.00
4.65	NO							
L0162099		0	0.12747E-03	664097.2	4270804.8	77.7	5.00	4.00
4.65	NO							
L0162100		0	0.12747E-03	664096.5	4270813.4	77.1	5.00	4.00
4.65	NO							
L0162101		0	0.12747E-03	664095.8	4270822.0	76.4	5.00	4.00
4.65	NO							
L0162102		0	0.12747E-03	664095.2	4270830.5	75.5	5.00	4.00
4.65	NO							
L0162103		0	0.12747E-03	664094.5	4270839.1	74.6	5.00	4.00
4.65	NO							
L0162104		0	0.12747E-03	664093.8	4270847.7	73.7	5.00	4.00
4.65	NO							
L0162105		0	0.12747E-03	664093.2	4270856.3	73.6	5.00	4.00
4.65	NO							
L0162106		0	0.12747E-03	664089.8	4270861.9	73.7	5.00	4.00
4.65	NO							
L0162107		0	0.12747E-03	664081.2	4270861.7	73.4	5.00	4.00

4.65	NO							
L0162108		0	0.12747E-03	664072.7	4270861.5	73.8	5.00	4.00
4.65	NO							
L0162109		0	0.12747E-03	664064.1	4270861.3	74.3	5.00	4.00
4.65	NO							
L0162110		0	0.12747E-03	664055.5	4270861.1	74.8	5.00	4.00
4.65	NO							
L0162111		0	0.12747E-03	664046.9	4270860.9	75.2	5.00	4.00
4.65	NO							
L0162112		0	0.12747E-03	664038.3	4270860.7	75.6	5.00	4.00
4.65	NO							
L0162113		0	0.12747E-03	664029.7	4270860.5	76.0	5.00	4.00
4.65	NO							
L0162114		0	0.12747E-03	664021.1	4270860.3	76.0	5.00	4.00
4.65	NO							
L0162115		0	0.12747E-03	664012.5	4270860.1	75.9	5.00	4.00
4.65	NO							
L0162116		0	0.12747E-03	664003.9	4270859.9	76.3	5.00	4.00
4.65	NO							
L0162117		0	0.12747E-03	663995.3	4270859.7	77.3	5.00	4.00
4.65	NO							
L0162118		0	0.12747E-03	663986.7	4270859.5	78.3	5.00	4.00
4.65	NO							
L0162119		0	0.12747E-03	663978.1	4270859.3	79.3	5.00	4.00

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\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0162120		0	0.12747E-03	663969.5	4270859.1	80.3	5.00	4.00
4.65	NO							
L0162121		0	0.12747E-03	663960.9	4270858.9	81.3	5.00	4.00
4.65	NO							
L0162122		0	0.12747E-03	663952.3	4270858.7	81.4	5.00	4.00

4.65	NO							
L0162123		0	0.12747E-03	663943.7	4270858.5	81.1	5.00	4.00
4.65	NO							
L0162124		0	0.12747E-03	663935.1	4270858.3	80.8	5.00	4.00
4.65	NO							
L0162125		0	0.12747E-03	663926.5	4270858.1	80.3	5.00	4.00
4.65	NO							
L0162126		0	0.12747E-03	663917.9	4270857.9	79.7	5.00	4.00
4.65	NO							
L0162127		0	0.12747E-03	663909.3	4270857.7	79.1	5.00	4.00
4.65	NO							
L0162128		0	0.12747E-03	663900.7	4270857.5	78.9	5.00	4.00
4.65	NO							
L0162129		0	0.12747E-03	663892.1	4270857.3	78.6	5.00	4.00
4.65	NO							
L0162130		0	0.12747E-03	663883.5	4270857.1	78.4	5.00	4.00
4.65	NO							
L0162131		0	0.12747E-03	663874.9	4270856.9	78.0	5.00	4.00
4.65	NO							
L0162132		0	0.12747E-03	663866.3	4270856.7	77.6	5.00	4.00
4.65	NO							
L0162133		0	0.12747E-03	663857.7	4270856.5	77.3	5.00	4.00
4.65	NO							
L0162134		0	0.12747E-03	663849.1	4270856.3	76.9	5.00	4.00
4.65	NO							
L0162135		0	0.12747E-03	663840.5	4270856.1	76.6	5.00	4.00
4.65	NO							
L0162136		0	0.12747E-03	663831.9	4270855.9	76.7	5.00	4.00
4.65	NO							
L0162137		0	0.12747E-03	663823.3	4270855.7	77.0	5.00	4.00
4.65	NO							
L0162138		0	0.12747E-03	663814.7	4270855.5	77.3	5.00	4.00
4.65	NO							
L0162139		0	0.12747E-03	663809.1	4270858.6	78.0	5.00	4.00
4.65	NO							
L0162140		0	0.12747E-03	663808.5	4270867.1	78.9	5.00	4.00
4.65	NO							
L0162141		0	0.12747E-03	663807.9	4270875.7	79.8	5.00	4.00
4.65	NO							
L0162142		0	0.12747E-03	663807.3	4270884.3	80.5	5.00	4.00
4.65	NO							
L0162143		0	0.12747E-03	663806.7	4270892.9	81.3	5.00	4.00
4.65	NO							
L0162144		0	0.12747E-03	663806.1	4270901.5	82.0	5.00	4.00
4.65	NO							
L0162145		0	0.12747E-03	663805.5	4270910.0	82.6	5.00	4.00
4.65	NO							
L0162146		0	0.12747E-03	663804.9	4270918.6	82.7	5.00	4.00
4.65	NO							
L0162147		0	0.12747E-03	663804.3	4270927.2	82.9	5.00	4.00

4.65	NO							
L0162148		0	0.12747E-03	663803.7	4270935.8	83.1	5.00	4.00
4.65	NO							
L0162149		0	0.12747E-03	663803.1	4270944.4	82.8	5.00	4.00
4.65	NO							
L0162150		0	0.12747E-03	663802.6	4270952.9	82.4	5.00	4.00
4.65	NO							
L0162151		0	0.12747E-03	663802.0	4270961.5	82.0	5.00	4.00
4.65	NO							
L0162152		0	0.12747E-03	663801.4	4270970.1	81.2	5.00	4.00
4.65	NO							
L0162153		0	0.12747E-03	663800.8	4270978.7	79.6	5.00	4.00
4.65	NO							
L0162154		0	0.12747E-03	663800.2	4270987.2	78.0	5.00	4.00
4.65	NO							
L0162155		0	0.12747E-03	663799.6	4270995.8	76.4	5.00	4.00
4.65	NO							
L0162156		0	0.12747E-03	663799.0	4271004.4	75.6	5.00	4.00
4.65	NO							
L0162157		0	0.12747E-03	663798.4	4271013.0	75.3	5.00	4.00
4.65	NO							
L0162158		0	0.12747E-03	663797.8	4271021.6	75.0	5.00	4.00
4.65	NO							
L0162159		0	0.12747E-03	663797.2	4271030.1	74.7	5.00	4.00

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 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0162160		0	0.12747E-03	663796.6	4271038.7	75.9	5.00	4.00
4.65	NO							
L0162161		0	0.12747E-03	663796.0	4271047.3	77.1	5.00	4.00
4.65	NO							
L0162162		0	0.12747E-03	663795.4	4271055.9	78.3	5.00	4.00

4.65	NO							
L0162163		0	0.12747E-03	663794.8	4271064.5	79.2	5.00	4.00
4.65	NO							
L0162164		0	0.12747E-03	663794.2	4271073.0	79.8	5.00	4.00
4.65	NO							
L0162165		0	0.12747E-03	663793.6	4271081.6	80.4	5.00	4.00
4.65	NO							
L0162166		0	0.12747E-03	663793.1	4271090.2	80.9	5.00	4.00
4.65	NO							
L0162167		0	0.12747E-03	663792.5	4271098.8	79.2	5.00	4.00
4.65	NO							
L0162168		0	0.12747E-03	663791.9	4271107.4	77.1	5.00	4.00
4.65	NO							
L0162169		0	0.12747E-03	663791.3	4271115.9	74.9	5.00	4.00
4.65	NO							
L0162170		0	0.12747E-03	663790.7	4271124.5	72.5	5.00	4.00
4.65	NO							
L0162171		0	0.12747E-03	663790.1	4271133.1	69.4	5.00	4.00
4.65	NO							
L0162172		0	0.12747E-03	663789.5	4271141.7	66.3	5.00	4.00
4.65	NO							
L0162173		0	0.12747E-03	663788.9	4271150.3	63.2	5.00	4.00
4.65	NO							
L0162174		0	0.12747E-03	663788.3	4271158.8	62.1	5.00	4.00
4.65	NO							
L0162175		0	0.12747E-03	663787.7	4271167.4	62.0	5.00	4.00
4.65	NO							
L0162176		0	0.12747E-03	663787.1	4271176.0	61.8	5.00	4.00
4.65	NO							
L0162177		0	0.12747E-03	663786.5	4271184.6	61.7	5.00	4.00
4.65	NO							
L0162178		0	0.12747E-03	663785.9	4271193.2	62.0	5.00	4.00
4.65	NO							
L0162179		0	0.12747E-03	663785.3	4271201.7	62.2	5.00	4.00
4.65	NO							
L0162180		0	0.12747E-03	663784.7	4271210.3	62.5	5.00	4.00
4.65	NO							
L0162181		0	0.12747E-03	663784.2	4271218.9	62.4	5.00	4.00
4.65	NO							
L0162182		0	0.12747E-03	663783.6	4271227.5	62.0	5.00	4.00
4.65	NO							
L0162183		0	0.12747E-03	663783.0	4271236.1	61.5	5.00	4.00
4.65	NO							
L0162184		0	0.12747E-03	663782.4	4271244.6	61.2	5.00	4.00
4.65	NO							
L0162185		0	0.12747E-03	663781.8	4271253.2	61.4	5.00	4.00
4.65	NO							
L0162186		0	0.12747E-03	663781.2	4271261.8	61.6	5.00	4.00
4.65	NO							
L0162187		0	0.12747E-03	663780.6	4271270.4	61.8	5.00	4.00

4.65	NO							
L0162188		0	0.12747E-03	663780.0	4271279.0	62.2	5.00	4.00
4.65	NO							
L0162189		0	0.12747E-03	663779.4	4271287.5	62.6	5.00	4.00
4.65	NO							
L0162190		0	0.12747E-03	663778.8	4271296.1	63.1	5.00	4.00
4.65	NO							
L0162191		0	0.12747E-03	663778.2	4271304.7	63.5	5.00	4.00
4.65	NO							
L0162192		0	0.12747E-03	663777.6	4271313.3	64.1	5.00	4.00
4.65	NO							
L0162193		0	0.12747E-03	663777.0	4271321.8	64.7	5.00	4.00
4.65	NO							
L0162194		0	0.12747E-03	663776.4	4271330.4	65.3	5.00	4.00
4.65	NO							
L0162195		0	0.12747E-03	663775.8	4271339.0	65.8	5.00	4.00
4.65	NO							
L0162196		0	0.12747E-03	663775.2	4271347.6	66.1	5.00	4.00
4.65	NO							
L0162197		0	0.12747E-03	663774.7	4271356.2	66.5	5.00	4.00
4.65	NO							
L0162198		0	0.12747E-03	663774.1	4271364.7	66.8	5.00	4.00
4.65	NO							
L0162199		0	0.12747E-03	663773.5	4271373.3	67.5	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0162200		0	0.12747E-03	663772.9	4271381.9	68.4	5.00	4.00
4.65	NO							
L0162201		0	0.12747E-03	663772.3	4271390.5	69.3	5.00	4.00
4.65	NO							
L0162202		0	0.12747E-03	663771.7	4271399.1	70.1	5.00	4.00

4.65	NO							
L0162203		0	0.12747E-03	663771.1	4271407.6	71.2	5.00	4.00
4.65	NO							
L0162204		0	0.12747E-03	663770.5	4271416.2	72.2	5.00	4.00
4.65	NO							
L0162205		0	0.12747E-03	663769.9	4271424.8	73.3	5.00	4.00
4.65	NO							
L0162206		0	0.12747E-03	663769.3	4271433.4	74.0	5.00	4.00
4.65	NO							
L0162207		0	0.12747E-03	663768.7	4271442.0	73.9	5.00	4.00
4.65	NO							
L0162208		0	0.12747E-03	663768.1	4271450.5	73.9	5.00	4.00
4.65	NO							
L0162209		0	0.12747E-03	663767.5	4271459.1	74.0	5.00	4.00
4.65	NO							
L0162210		0	0.12747E-03	663766.9	4271467.7	73.3	5.00	4.00
4.65	NO							
L0162211		0	0.12747E-03	663766.3	4271476.3	72.4	5.00	4.00
4.65	NO							
L0162212		0	0.12747E-03	663765.8	4271484.9	71.5	5.00	4.00
4.65	NO							
L0162213		0	0.12747E-03	663765.2	4271493.4	70.7	5.00	4.00
4.65	NO							
L0162214		0	0.12747E-03	663764.6	4271502.0	70.8	5.00	4.00
4.65	NO							
L0162215		0	0.12747E-03	663764.0	4271510.6	70.7	5.00	4.00
4.65	NO							
L0162216		0	0.12747E-03	663763.4	4271519.2	70.7	5.00	4.00
4.65	NO							
L0162217		0	0.12747E-03	663762.8	4271527.8	71.5	5.00	4.00
4.65	NO							
L0162218		0	0.12747E-03	663762.2	4271536.3	72.7	5.00	4.00
4.65	NO							
L0162219		0	0.12747E-03	663761.6	4271544.9	74.0	5.00	4.00
4.65	NO							
L0162220		0	0.12747E-03	663761.0	4271553.5	75.3	5.00	4.00
4.65	NO							
L0162221		0	0.12747E-03	663760.4	4271562.1	76.3	5.00	4.00
4.65	NO							
L0162222		0	0.12747E-03	663759.8	4271570.7	77.4	5.00	4.00
4.65	NO							
L0162223		0	0.12747E-03	663759.2	4271579.2	78.5	5.00	4.00
4.65	NO							
L0162224		0	0.12747E-03	663758.6	4271587.8	79.2	5.00	4.00
4.65	NO							
L0162225		0	0.12747E-03	663758.0	4271596.4	79.5	5.00	4.00
4.65	NO							
L0162226		0	0.12747E-03	663757.4	4271605.0	79.8	5.00	4.00
4.65	NO							
L0162227		0	0.12747E-03	663756.8	4271613.6	80.1	5.00	4.00

4.65	NO							
L0162228		0	0.12747E-03	663756.3	4271622.1	79.7	5.00	4.00
4.65	NO							
L0162229		0	0.12747E-03	663755.7	4271630.7	79.1	5.00	4.00
4.65	NO							
L0162230		0	0.12747E-03	663755.1	4271639.3	78.5	5.00	4.00
4.65	NO							
L0162231		0	0.12747E-03	663754.5	4271647.9	77.8	5.00	4.00
4.65	NO							
L0162232		0	0.12747E-03	663753.9	4271656.5	76.7	5.00	4.00
4.65	NO							
L0162233		0	0.12747E-03	663753.3	4271665.0	75.7	5.00	4.00
4.65	NO							
L0162234		0	0.12747E-03	663752.7	4271673.6	74.6	5.00	4.00
4.65	NO							
L0162235		0	0.12747E-03	663752.1	4271682.2	73.8	5.00	4.00
4.65	NO							
L0162236		0	0.12747E-03	663751.5	4271690.8	73.0	5.00	4.00
4.65	NO							
L0162237		0	0.12747E-03	663750.9	4271699.3	72.2	5.00	4.00
4.65	NO							
L0162238		0	0.12747E-03	663750.3	4271707.9	71.4	5.00	4.00
4.65	NO							
L0162239		0	0.12747E-03	663749.7	4271716.5	71.1	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0162240		0	0.12747E-03	663749.1	4271725.1	70.8	5.00	4.00
4.65	NO							
L0162241		0	0.12747E-03	663748.5	4271733.7	70.5	5.00	4.00
4.65	NO							
L0162242		0	0.12747E-03	663747.9	4271742.2	70.1	5.00	4.00



4.65	NO							
L0162243		0	0.12747E-03	663747.4	4271750.8	69.7	5.00	4.00
4.65	NO							
L0162244		0	0.12747E-03	663746.8	4271759.4	69.3	5.00	4.00
4.65	NO							
L0162245		0	0.12747E-03	663746.2	4271768.0	69.0	5.00	4.00
4.65	NO							
L0162246		0	0.12747E-03	663745.6	4271776.6	68.6	5.00	4.00
4.65	NO							
L0162247		0	0.12747E-03	663745.0	4271785.1	68.2	5.00	4.00
4.65	NO							
L0162248		0	0.12747E-03	663744.4	4271793.7	67.9	5.00	4.00
4.65	NO							
L0162249		0	0.12747E-03	663743.8	4271802.3	67.7	5.00	4.00
4.65	NO							
L0162250		0	0.12747E-03	663743.2	4271810.9	67.8	5.00	4.00
4.65	NO							
L0162251		0	0.12747E-03	663742.6	4271819.5	68.0	5.00	4.00
4.65	NO							
L0162252		0	0.12747E-03	663742.0	4271828.0	68.1	5.00	4.00
4.65	NO							
L0162253		0	0.12747E-03	663741.4	4271836.6	68.4	5.00	4.00
4.65	NO							
L0162254		0	0.12747E-03	663740.8	4271845.2	68.6	5.00	4.00
4.65	NO							
L0162255		0	0.12747E-03	663740.2	4271853.8	68.9	5.00	4.00
4.65	NO							
L0162256		0	0.12747E-03	663739.6	4271862.4	69.3	5.00	4.00
4.65	NO							
L0162257		0	0.12747E-03	663739.0	4271870.9	70.3	5.00	4.00
4.65	NO							
L0162258		0	0.12747E-03	663738.4	4271879.5	71.3	5.00	4.00
4.65	NO							
L0162259		0	0.12747E-03	663737.9	4271888.1	72.3	5.00	4.00
4.65	NO							
L0162260		0	0.12747E-03	663737.3	4271896.7	73.5	5.00	4.00
4.65	NO							
L0162261		0	0.12747E-03	663738.7	4271903.4	74.3	5.00	4.00
4.65	NO							
L0162262		0	0.12747E-03	663747.3	4271903.7	73.8	5.00	4.00
4.65	NO							
L0162263		0	0.12747E-03	663755.9	4271903.9	72.8	5.00	4.00
4.65	NO							
L0162264		0	0.12747E-03	663764.5	4271904.2	71.9	5.00	4.00
4.65	NO							
L0162265		0	0.12747E-03	663773.1	4271904.5	71.2	5.00	4.00
4.65	NO							
L0162266		0	0.12747E-03	663781.7	4271904.8	70.7	5.00	4.00
4.65	NO							
L0162267		0	0.12747E-03	663790.3	4271905.1	70.1	5.00	4.00

4.65	NO							
L0162268		0	0.12747E-03	663798.9	4271905.4	69.8	5.00	4.00
4.65	NO							
L0162269		0	0.12747E-03	663807.5	4271905.6	69.5	5.00	4.00
4.65	NO							
L0162270		0	0.12747E-03	663816.1	4271905.9	69.2	5.00	4.00
4.65	NO							
L0162271		0	0.12747E-03	663824.7	4271906.2	69.7	5.00	4.00
4.65	NO							
L0162272		0	0.12747E-03	663833.3	4271906.5	70.2	5.00	4.00
4.65	NO							
L0162273		0	0.12747E-03	663841.9	4271906.8	70.9	5.00	4.00
4.65	NO							
L0162274		0	0.12747E-03	663850.5	4271907.0	72.5	5.00	4.00
4.65	NO							
L0162275		0	0.12747E-03	663859.1	4271907.3	74.1	5.00	4.00
4.65	NO							
L0162276		0	0.12747E-03	663867.7	4271907.6	75.9	5.00	4.00
4.65	NO							
L0162277		0	0.12747E-03	663876.3	4271907.9	77.8	5.00	4.00
4.65	NO							
L0162278		0	0.12747E-03	663884.9	4271908.2	79.8	5.00	4.00
4.65	NO							
L0162279		0	0.12747E-03	663893.5	4271908.5	81.5	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0162280		0	0.12747E-03	663902.1	4271908.7	82.9	5.00	4.00
4.65	NO							
L0162281		0	0.12747E-03	663910.7	4271909.0	84.4	5.00	4.00
4.65	NO							
L0162282		0	0.12747E-03	663919.2	4271909.3	85.0	5.00	4.00

4.65	NO							
L0162283		0	0.12747E-03	663927.8	4271909.6	85.4	5.00	4.00
4.65	NO							
L0162284		0	0.12747E-03	663936.4	4271909.9	85.8	5.00	4.00
4.65	NO							
L0162285		0	0.12747E-03	663945.0	4271910.1	86.1	5.00	4.00
4.65	NO							
L0162286		0	0.12747E-03	663953.6	4271910.4	86.4	5.00	4.00
4.65	NO							
L0162287		0	0.12747E-03	663962.2	4271910.7	86.7	5.00	4.00
4.65	NO							
L0162288		0	0.12747E-03	663970.8	4271911.0	87.3	5.00	4.00
4.65	NO							
L0162289		0	0.12747E-03	663979.4	4271911.3	87.9	5.00	4.00
4.65	NO							
L0162290		0	0.12747E-03	663988.0	4271911.6	88.4	5.00	4.00
4.65	NO							
L0162291		0	0.12747E-03	663996.6	4271911.8	88.8	5.00	4.00
4.65	NO							
L0162292		0	0.12747E-03	664005.2	4271912.1	89.2	5.00	4.00
4.65	NO							
L0162293		0	0.12747E-03	664013.8	4271912.4	89.5	5.00	4.00
4.65	NO							
L0162294		0	0.12747E-03	664022.4	4271912.7	89.6	5.00	4.00
4.65	NO							
L0162295		0	0.12747E-03	664031.0	4271913.0	89.7	5.00	4.00
4.65	NO							
L0162296		0	0.12747E-03	664039.6	4271913.2	89.8	5.00	4.00
4.65	NO							
L0162297		0	0.12747E-03	664048.2	4271913.5	90.0	5.00	4.00
4.65	NO							
L0162298		0	0.12747E-03	664056.8	4271913.8	90.1	5.00	4.00
4.65	NO							
L0162299		0	0.12747E-03	664065.4	4271914.1	90.6	5.00	4.00
4.65	NO							
L0162300		0	0.12747E-03	664074.0	4271914.4	91.2	5.00	4.00
4.65	NO							
L0162301		0	0.12747E-03	664082.6	4271914.7	91.8	5.00	4.00
4.65	NO							
L0162302		0	0.12747E-03	664091.2	4271914.9	92.0	5.00	4.00
4.65	NO							
L0162303		0	0.12747E-03	664099.8	4271915.2	92.1	5.00	4.00
4.65	NO							
L0162304		0	0.12747E-03	664108.3	4271915.5	92.3	5.00	4.00
4.65	NO							
L0162305		0	0.12747E-03	664116.9	4271915.8	92.6	5.00	4.00
4.65	NO							
L0162306		0	0.12747E-03	664125.5	4271916.1	92.9	5.00	4.00
4.65	NO							
L0162307		0	0.12747E-03	664134.1	4271916.3	93.2	5.00	4.00

4.65	NO							
L0162308		0	0.12747E-03	664138.6	4271920.4	93.4	5.00	4.00
4.65	NO							
L0162309		0	0.12747E-03	664138.1	4271929.0	93.4	5.00	4.00
4.65	NO							
L0162310		0	0.12747E-03	664137.7	4271937.6	93.4	5.00	4.00
4.65	NO							
L0162311		0	0.12747E-03	664137.2	4271946.1	93.4	5.00	4.00
4.65	NO							
L0162312		0	0.12747E-03	664136.7	4271954.7	93.5	5.00	4.00
4.65	NO							
L0162313		0	0.12747E-03	664136.2	4271963.3	93.5	5.00	4.00
4.65	NO							
L0162314		0	0.12747E-03	664135.8	4271971.9	93.5	5.00	4.00
4.65	NO							
L0162315		0	0.12747E-03	664135.3	4271980.5	93.6	5.00	4.00
4.65	NO							
L0162316		0	0.12747E-03	664134.8	4271989.1	93.6	5.00	4.00
4.65	NO							
L0162317		0	0.12747E-03	664134.3	4271997.7	93.4	5.00	4.00
4.65	NO							
L0162318		0	0.12747E-03	664133.9	4272006.3	93.1	5.00	4.00
4.65	NO							
L0162319		0	0.12747E-03	664133.4	4272014.8	92.7	5.00	4.00

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 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0162320		0	0.12747E-03	664132.9	4272023.4	92.4	5.00	4.00
4.65	NO							
L0162321		0	0.12747E-03	664132.4	4272032.0	91.0	5.00	4.00
4.65	NO							
L0162322		0	0.12747E-03	664131.9	4272040.6	89.6	5.00	4.00

4.65	NO							
L0162323		0	0.12747E-03	664131.5	4272049.2	88.2	5.00	4.00
4.65	NO							
L0162324		0	0.12747E-03	664131.0	4272057.8	87.2	5.00	4.00
4.65	NO							
L0162325		0	0.12747E-03	664130.5	4272066.4	86.6	5.00	4.00
4.65	NO							
L0162326		0	0.12747E-03	664130.0	4272074.9	86.1	5.00	4.00
4.65	NO							
L0162327		0	0.12747E-03	664129.6	4272083.5	85.5	5.00	4.00
4.65	NO							
L0162328		0	0.12747E-03	664129.1	4272092.1	86.2	5.00	4.00
4.65	NO							
L0162329		0	0.12747E-03	664128.6	4272100.7	87.3	5.00	4.00
4.65	NO							
L0162330		0	0.12747E-03	664128.1	4272109.3	88.3	5.00	4.00
4.65	NO							
L0162331		0	0.12747E-03	664127.6	4272117.9	88.8	5.00	4.00
4.65	NO							
L0162332		0	0.12747E-03	664127.2	4272126.5	87.5	5.00	4.00
4.65	NO							
L0162333		0	0.12747E-03	664126.7	4272135.1	86.3	5.00	4.00
4.65	NO							
L0162334		0	0.12747E-03	664126.2	4272143.6	85.1	5.00	4.00
4.65	NO							
L0162335		0	0.12747E-03	664125.7	4272152.2	82.8	5.00	4.00
4.65	NO							
L0162336		0	0.12747E-03	664118.6	4272153.5	82.1	5.00	4.00
4.65	NO							
L0162337		0	0.12747E-03	664110.0	4272153.2	81.9	5.00	4.00
4.65	NO							
L0162338		0	0.12747E-03	664101.4	4272152.9	81.7	5.00	4.00
4.65	NO							
L0162339		0	0.12747E-03	664092.8	4272152.6	81.3	5.00	4.00
4.65	NO							
L0162340		0	0.12747E-03	664084.2	4272152.3	80.9	5.00	4.00
4.65	NO							
L0162341		0	0.12747E-03	664075.6	4272152.0	80.6	5.00	4.00
4.65	NO							
L0162342		0	0.12747E-03	664067.0	4272151.6	80.6	5.00	4.00
4.65	NO							
L0162343		0	0.12747E-03	664058.4	4272151.3	80.5	5.00	4.00
4.65	NO							
L0162344		0	0.12747E-03	664049.8	4272151.0	80.2	5.00	4.00
4.65	NO							
L0162345		0	0.12747E-03	664041.2	4272150.7	79.6	5.00	4.00
4.65	NO							
L0162346		0	0.12747E-03	664032.7	4272150.4	78.9	5.00	4.00
4.65	NO							
L0162347		0	0.12747E-03	664024.1	4272150.1	77.9	5.00	4.00

4.65	NO							
L0162348		0	0.12747E-03	664015.5	4272149.8	76.6	5.00	4.00
4.65	NO							
L0162349		0	0.12747E-03	664006.9	4272149.5	75.3	5.00	4.00
4.65	NO							
L0162350		0	0.12747E-03	663998.3	4272149.2	74.7	5.00	4.00
4.65	NO							
L0162351		0	0.12747E-03	663989.7	4272148.9	74.4	5.00	4.00
4.65	NO							
L0162352		0	0.12747E-03	663981.1	4272148.6	74.0	5.00	4.00
4.65	NO							
L0162353		0	0.12747E-03	663972.5	4272148.2	73.6	5.00	4.00
4.65	NO							
L0162354		0	0.12747E-03	663963.9	4272147.9	73.2	5.00	4.00
4.65	NO							
L0162355		0	0.12747E-03	663955.3	4272147.6	72.9	5.00	4.00
4.65	NO							
L0162356		0	0.12747E-03	663946.7	4272147.3	72.7	5.00	4.00
4.65	NO							
L0162357		0	0.12747E-03	663938.1	4272147.0	72.4	5.00	4.00
4.65	NO							
L0162358		0	0.12747E-03	663929.5	4272146.7	72.4	5.00	4.00
4.65	NO							
L0162359		0	0.12747E-03	663920.9	4272146.4	72.6	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0162360		0	0.12747E-03	663912.3	4272146.1	72.9	5.00	4.00
4.65	NO							
L0162361		0	0.12747E-03	663903.7	4272145.8	73.6	5.00	4.00
4.65	NO							
L0162362		0	0.12747E-03	663895.1	4272145.5	74.6	5.00	4.00

4.65	NO							
L0162363		0	0.12747E-03	663886.5	4272145.1	75.6	5.00	4.00
4.65	NO							
L0162364		0	0.12747E-03	663878.0	4272144.8	77.6	5.00	4.00
4.65	NO							
L0162365		0	0.12747E-03	663869.4	4272144.5	79.9	5.00	4.00
4.65	NO							
L0162366		0	0.12747E-03	663860.8	4272144.2	82.3	5.00	4.00
4.65	NO							
L0162367		0	0.12747E-03	663852.2	4272143.9	84.6	5.00	4.00
4.65	NO							
L0162368		0	0.12747E-03	663843.6	4272143.6	86.8	5.00	4.00
4.65	NO							
L0162369		0	0.12747E-03	663835.0	4272143.3	89.0	5.00	4.00
4.65	NO							
L0162370		0	0.12747E-03	663826.4	4272143.0	90.3	5.00	4.00
4.65	NO							
L0162371		0	0.12747E-03	663817.8	4272142.7	91.6	5.00	4.00
4.65	NO							
L0162372		0	0.12747E-03	663809.2	4272142.4	92.8	5.00	4.00
4.65	NO							
L0162373		0	0.12747E-03	663800.6	4272142.0	93.7	5.00	4.00
4.65	NO							
L0162374		0	0.12747E-03	663792.0	4272141.7	94.6	5.00	4.00
4.65	NO							
L0162375		0	0.12747E-03	663783.4	4272141.4	95.3	5.00	4.00
4.65	NO							
L0162376		0	0.12747E-03	663774.8	4272141.1	95.7	5.00	4.00
4.65	NO							
L0162377		0	0.12747E-03	663766.2	4272140.8	96.2	5.00	4.00
4.65	NO							
L0162378		0	0.12747E-03	663757.6	4272140.5	96.2	5.00	4.00
4.65	NO							
L0162379		0	0.12747E-03	663749.0	4272140.2	95.9	5.00	4.00
4.65	NO							
L0162380		0	0.12747E-03	663740.4	4272139.9	95.6	5.00	4.00
4.65	NO							
L0162381		0	0.12747E-03	663731.8	4272139.6	95.1	5.00	4.00
4.65	NO							
L0162382		0	0.12747E-03	663723.3	4272139.3	94.5	5.00	4.00
4.65	NO							
L0162383		0	0.12747E-03	663714.7	4272139.0	94.0	5.00	4.00
4.65	NO							
L0162384		0	0.12747E-03	663706.1	4272138.6	93.5	5.00	4.00
4.65	NO							
L0162385		0	0.12747E-03	663697.5	4272138.3	93.1	5.00	4.00
4.65	NO							
L0162386		0	0.12747E-03	663688.9	4272138.0	92.7	5.00	4.00
4.65	NO							
L0162387		0	0.12747E-03	663680.3	4272137.7	92.7	5.00	4.00

4.65	NO							
L0162388		0	0.12747E-03	663671.7	4272137.4	92.7	5.00	4.00
4.65	NO							
L0162389		0	0.12747E-03	663663.1	4272137.1	92.6	5.00	4.00
4.65	NO							
L0162390		0	0.12747E-03	663654.5	4272136.8	92.6	5.00	4.00
4.65	NO							
L0162391		0	0.12747E-03	663645.9	4272136.5	92.5	5.00	4.00
4.65	NO							
L0162392		0	0.12747E-03	663637.3	4272136.2	92.3	5.00	4.00
4.65	NO							
L0162393		0	0.12747E-03	663628.7	4272135.9	92.0	5.00	4.00
4.65	NO							
L0162394		0	0.12747E-03	663620.1	4272135.5	91.7	5.00	4.00
4.65	NO							
L0162395		0	0.12747E-03	663611.5	4272135.2	91.2	5.00	4.00
4.65	NO							
L0162396		0	0.12747E-03	663602.9	4272134.9	90.7	5.00	4.00
4.65	NO							
L0162397		0	0.12747E-03	663594.3	4272134.6	90.2	5.00	4.00
4.65	NO							
L0162398		0	0.12747E-03	663585.7	4272134.3	89.8	5.00	4.00
4.65	NO							
L0162399		0	0.12747E-03	663577.1	4272134.0	89.4	5.00	4.00

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 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0162400		0	0.12747E-03	663568.6	4272133.7	89.0	5.00	4.00
4.65	NO							
L0162401		0	0.12747E-03	663560.0	4272133.4	88.7	5.00	4.00
4.65	NO							
L0162402		0	0.12747E-03	663551.4	4272133.1	88.3	5.00	4.00



4.65	NO							
L0162403		0	0.12747E-03	663542.8	4272132.8	88.0	5.00	4.00
4.65	NO							
L0162404		0	0.12747E-03	663534.2	4272132.4	87.6	5.00	4.00
4.65	NO							
L0162405		0	0.12747E-03	663525.6	4272132.1	87.3	5.00	4.00
4.65	NO							
L0162406		0	0.12747E-03	663517.0	4272131.8	87.3	5.00	4.00
4.65	NO							
L0162407		0	0.12747E-03	663508.4	4272131.5	87.6	5.00	4.00
4.65	NO							
L0162408		0	0.12747E-03	663499.8	4272131.2	88.0	5.00	4.00
4.65	NO							
L0162409		0	0.12747E-03	663491.2	4272130.9	88.5	5.00	4.00
4.65	NO							
L0162410		0	0.12747E-03	663482.6	4272130.6	89.1	5.00	4.00
4.65	NO							
L0162411		0	0.12747E-03	663474.0	4272130.3	89.7	5.00	4.00
4.65	NO							
L0162412		0	0.12747E-03	663465.4	4272130.0	89.3	5.00	4.00
4.65	NO							
L0162413		0	0.12747E-03	663456.8	4272129.7	88.8	5.00	4.00
4.65	NO							
L0162414		0	0.12747E-03	663448.2	4272129.4	88.1	5.00	4.00
4.65	NO							
L0162415		0	0.12747E-03	663439.6	4272129.0	86.0	5.00	4.00
4.65	NO							
L0162416		0	0.12747E-03	663431.0	4272128.7	83.8	5.00	4.00
4.65	NO							
L0162417		0	0.12747E-03	663422.4	4272128.4	81.7	5.00	4.00
4.65	NO							
L0162418		0	0.12747E-03	663413.9	4272128.1	79.9	5.00	4.00
4.65	NO							
L0162419		0	0.12747E-03	663405.3	4272127.8	78.1	5.00	4.00
4.65	NO							
L0162420		0	0.12747E-03	663396.7	4272127.5	76.8	5.00	4.00
4.65	NO							
L0162421		0	0.12747E-03	663393.5	4272133.4	76.1	5.00	4.00
4.65	NO							
L0162422		0	0.12747E-03	663392.6	4272141.9	77.2	5.00	4.00
4.65	NO							
L0162423		0	0.12747E-03	663391.7	4272150.5	78.3	5.00	4.00
4.65	NO							
L0162424		0	0.12747E-03	663390.8	4272159.0	79.4	5.00	4.00
4.65	NO							
L0162425		0	0.12747E-03	663389.9	4272167.6	80.4	5.00	4.00
4.65	NO							
L0162426		0	0.12747E-03	663389.0	4272176.1	81.4	5.00	4.00
4.65	NO							
L0162427		0	0.12747E-03	663388.1	4272184.7	82.4	5.00	4.00

4.65	NO							
L0162428		0	0.12747E-03	663387.2	4272193.3	83.4	5.00	4.00
4.65	NO							
L0162429		0	0.12747E-03	663386.3	4272201.8	83.3	5.00	4.00
4.65	NO							
L0162430		0	0.12747E-03	663385.4	4272210.4	83.2	5.00	4.00
4.65	NO							
L0162431		0	0.12747E-03	663384.5	4272218.9	83.2	5.00	4.00
4.65	NO							
L0162432		0	0.12747E-03	663383.6	4272227.5	83.3	5.00	4.00
4.65	NO							
L0162433		0	0.12747E-03	663382.7	4272236.0	83.8	5.00	4.00
4.65	NO							
L0162434		0	0.12747E-03	663381.8	4272244.6	84.2	5.00	4.00
4.65	NO							
L0162435		0	0.12747E-03	663380.9	4272253.1	84.7	5.00	4.00
4.65	NO							
L0162436		0	0.12747E-03	663380.0	4272261.7	85.3	5.00	4.00
4.65	NO							
L0162437		0	0.12747E-03	663379.1	4272270.2	85.9	5.00	4.00
4.65	NO							
L0162438		0	0.12747E-03	663378.1	4272278.8	86.5	5.00	4.00
4.65	NO							
L0162439		0	0.12747E-03	663377.2	4272287.3	87.0	5.00	4.00

\*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0162440		0	0.12747E-03	663376.3	4272295.9	87.4	5.00	4.00
4.65	NO							
L0162441		0	0.12747E-03	663375.4	4272304.4	87.8	5.00	4.00
4.65	NO							
L0162442		0	0.12747E-03	663374.5	4272313.0	88.2	5.00	4.00

4.65	NO							
L0162443		0	0.12747E-03	663373.6	4272321.5	88.5	5.00	4.00
4.65	NO							
L0162444		0	0.12747E-03	663372.7	4272330.1	88.6	5.00	4.00
4.65	NO							
L0162445		0	0.12747E-03	663371.8	4272338.6	88.7	5.00	4.00
4.65	NO							
L0162446		0	0.12747E-03	663370.9	4272347.2	88.8	5.00	4.00
4.65	NO							
L0162447		0	0.12747E-03	663370.0	4272355.8	89.1	5.00	4.00
4.65	NO							
L0162448		0	0.12747E-03	663369.1	4272364.3	89.4	5.00	4.00
4.65	NO							
L0162449		0	0.12747E-03	663368.2	4272372.9	89.6	5.00	4.00
4.65	NO							
L0162450		0	0.12747E-03	663367.3	4272381.4	90.0	5.00	4.00
4.65	NO							
L0162451		0	0.12747E-03	663366.4	4272390.0	90.5	5.00	4.00
4.65	NO							
L0162452		0	0.12747E-03	663365.5	4272398.5	91.0	5.00	4.00
4.65	NO							
L0162453		0	0.12747E-03	663364.6	4272407.1	91.5	5.00	4.00
4.65	NO							
L0162454		0	0.12747E-03	663363.7	4272415.6	91.9	5.00	4.00
4.65	NO							
L0162455		0	0.12747E-03	663362.8	4272424.2	92.4	5.00	4.00
4.65	NO							
L0162456		0	0.12747E-03	663361.9	4272432.7	92.8	5.00	4.00
4.65	NO							
L0162457		0	0.12747E-03	663361.0	4272441.3	93.3	5.00	4.00
4.65	NO							
L0162458		0	0.12747E-03	663360.1	4272449.8	93.5	5.00	4.00
4.65	NO							
L0162459		0	0.12747E-03	663359.2	4272458.4	93.8	5.00	4.00
4.65	NO							
L0162460		0	0.12747E-03	663358.3	4272466.9	94.0	5.00	4.00
4.65	NO							
L0162461		0	0.12747E-03	663357.4	4272475.5	94.1	5.00	4.00
4.65	NO							
L0162462		0	0.12747E-03	663356.5	4272484.0	94.0	5.00	4.00
4.65	NO							
L0162463		0	0.12747E-03	663355.6	4272492.6	94.0	5.00	4.00
4.65	NO							
L0162464		0	0.12747E-03	663354.7	4272501.2	93.9	5.00	4.00
4.65	NO							
L0162465		0	0.12747E-03	663347.9	4272502.9	93.0	5.00	4.00
4.65	NO							
L0162466		0	0.12747E-03	663339.3	4272502.6	92.1	5.00	4.00
4.65	NO							
L0162467		0	0.12747E-03	663330.7	4272502.3	91.2	5.00	4.00

4.65	NO							
L0162468		0	0.12747E-03	663322.1	4272502.1	90.3	5.00	4.00
4.65	NO							
L0162469		0	0.12747E-03	663313.5	4272501.8	89.5	5.00	4.00
4.65	NO							
L0162470		0	0.12747E-03	663304.9	4272501.5	88.7	5.00	4.00
4.65	NO							
L0162471		0	0.12747E-03	663296.3	4272501.3	87.9	5.00	4.00
4.65	NO							
L0162472		0	0.12747E-03	663287.7	4272501.0	87.1	5.00	4.00
4.65	NO							
L0162473		0	0.12747E-03	663279.1	4272500.8	86.3	5.00	4.00
4.65	NO							
L0162474		0	0.12747E-03	663270.5	4272500.5	85.5	5.00	4.00
4.65	NO							
L0162475		0	0.12747E-03	663261.9	4272500.2	84.6	5.00	4.00
4.65	NO							
L0162476		0	0.12747E-03	663253.3	4272500.0	83.7	5.00	4.00
4.65	NO							
L0162477		0	0.12747E-03	663244.7	4272499.7	82.6	5.00	4.00
4.65	NO							
L0162478		0	0.12747E-03	663236.1	4272499.4	81.4	5.00	4.00
4.65	NO							
L0162479		0	0.12747E-03	663227.5	4272499.2	80.2	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0162480		0	0.12747E-03	663218.9	4272498.9	78.9	5.00	4.00
4.65	NO							
L0162481		0	0.12747E-03	663210.3	4272498.6	77.5	5.00	4.00
4.65	NO							
L0162482		0	0.12747E-03	663201.7	4272498.4	76.1	5.00	4.00

4.65	NO							
L0162483		0	0.12747E-03	663193.1	4272498.1	75.0	5.00	4.00
4.65	NO							
L0162484		0	0.12747E-03	663184.6	4272497.8	74.0	5.00	4.00
4.65	NO							
L0162485		0	0.12747E-03	663176.0	4272497.6	73.0	5.00	4.00
4.65	NO							
L0162486		0	0.12747E-03	663167.4	4272497.3	72.1	5.00	4.00
4.65	NO							
L0162487		0	0.12747E-03	663158.8	4272497.0	71.2	5.00	4.00
4.65	NO							
L0162488		0	0.12747E-03	663150.2	4272496.8	70.3	5.00	4.00
4.65	NO							
L0162489		0	0.12747E-03	663141.6	4272496.5	69.9	5.00	4.00
4.65	NO							
L0162490		0	0.12747E-03	663133.0	4272496.3	69.4	5.00	4.00
4.65	NO							
L0162491		0	0.12747E-03	663124.4	4272496.0	69.1	5.00	4.00
4.65	NO							
L0162492		0	0.12747E-03	663115.8	4272495.7	68.8	5.00	4.00
4.65	NO							
L0162493		0	0.12747E-03	663107.2	4272495.5	68.6	5.00	4.00
4.65	NO							
L0162494		0	0.12747E-03	663098.6	4272495.2	68.4	5.00	4.00
4.65	NO							
L0162495		0	0.12747E-03	663090.0	4272494.9	68.4	5.00	4.00
4.65	NO							
L0162496		0	0.12747E-03	663081.4	4272494.7	68.4	5.00	4.00
4.65	NO							
L0162497		0	0.12747E-03	663072.8	4272494.4	68.6	5.00	4.00
4.65	NO							
L0162498		0	0.12747E-03	663064.2	4272494.1	69.1	5.00	4.00
4.65	NO							
L0162499		0	0.12747E-03	663055.6	4272493.9	69.5	5.00	4.00
4.65	NO							
L0162500		0	0.12747E-03	663047.0	4272493.6	70.2	5.00	4.00
4.65	NO							
L0162501		0	0.12747E-03	663038.4	4272493.3	71.1	5.00	4.00
4.65	NO							
L0162502		0	0.12747E-03	663029.8	4272493.1	71.9	5.00	4.00
4.65	NO							
L0162503		0	0.12747E-03	663021.2	4272492.8	73.0	5.00	4.00
4.65	NO							
L0162504		0	0.12747E-03	663012.6	4272492.6	74.1	5.00	4.00
4.65	NO							
L0162505		0	0.12747E-03	663004.0	4272492.3	75.2	5.00	4.00
4.65	NO							
L0162506		0	0.12747E-03	662995.4	4272492.0	76.5	5.00	4.00
4.65	NO							
L0162507		0	0.12747E-03	662986.8	4272491.8	77.7	5.00	4.00

4.65	NO							
L0162508		0	0.12747E-03	662978.2	4272491.5	78.7	5.00	4.00
4.65	NO							
L0162509		0	0.12747E-03	662969.7	4272491.2	79.4	5.00	4.00
4.65	NO							
L0162510		0	0.12747E-03	662961.1	4272491.0	80.1	5.00	4.00
4.65	NO							
L0162511		0	0.12747E-03	662952.5	4272490.7	80.1	5.00	4.00
4.65	NO							
L0162512		0	0.12747E-03	662943.9	4272490.4	79.6	5.00	4.00
4.65	NO							
L0162513		0	0.12747E-03	662935.3	4272490.2	79.1	5.00	4.00
4.65	NO							
L0162514		0	0.12747E-03	662926.7	4272489.9	78.3	5.00	4.00
4.65	NO							
L0162515		0	0.12747E-03	662925.8	4272498.0	78.6	5.00	4.00
4.65	NO							
L0162516		0	0.12747E-03	662925.5	4272506.5	79.2	5.00	4.00
4.65	NO							
L0162517		0	0.12747E-03	662925.2	4272515.1	79.8	5.00	4.00
4.65	NO							
L0162518		0	0.12747E-03	662924.8	4272523.7	80.3	5.00	4.00
4.65	NO							
L0162519		0	0.12747E-03	662924.5	4272532.3	80.6	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0162520		0	0.12747E-03	662924.2	4272540.9	81.0	5.00	4.00
4.65	NO							
L0162521		0	0.12747E-03	662923.8	4272549.5	81.3	5.00	4.00
4.65	NO							
L0162522		0	0.12747E-03	662923.5	4272558.1	81.6	5.00	4.00

4.65	NO							
L0162523		0	0.12747E-03	662923.2	4272566.7	81.9	5.00	4.00
4.65	NO							
L0162524		0	0.12747E-03	662922.9	4272575.3	82.2	5.00	4.00
4.65	NO							
L0162525		0	0.12747E-03	662922.5	4272583.9	82.5	5.00	4.00
4.65	NO							
L0162526		0	0.12747E-03	662922.2	4272592.5	83.1	5.00	4.00
4.65	NO							
L0162527		0	0.12747E-03	662921.9	4272601.1	83.7	5.00	4.00
4.65	NO							
L0162528		0	0.12747E-03	662921.5	4272609.7	84.4	5.00	4.00
4.65	NO							
L0162529		0	0.12747E-03	662921.2	4272618.3	85.0	5.00	4.00
4.65	NO							
L0162530		0	0.12747E-03	662920.9	4272626.9	85.8	5.00	4.00
4.65	NO							
L0162531		0	0.12747E-03	662920.5	4272635.5	86.5	5.00	4.00
4.65	NO							
L0162532		0	0.12747E-03	662920.2	4272644.0	87.2	5.00	4.00
4.65	NO							
L0162533		0	0.12747E-03	662919.9	4272652.6	87.0	5.00	4.00
4.65	NO							
L0162534		0	0.12747E-03	662919.6	4272661.2	86.5	5.00	4.00
4.65	NO							
L0162535		0	0.12747E-03	662919.2	4272669.8	86.0	5.00	4.00
4.65	NO							
L0162536		0	0.12747E-03	662918.9	4272678.4	85.5	5.00	4.00
4.65	NO							
L0162537		0	0.12747E-03	662918.6	4272687.0	84.5	5.00	4.00
4.65	NO							
L0162538		0	0.12747E-03	662918.2	4272695.6	83.5	5.00	4.00
4.65	NO							
L0162539		0	0.12747E-03	662917.9	4272704.2	82.6	5.00	4.00
4.65	NO							
L0162540		0	0.12747E-03	662917.6	4272712.8	81.8	5.00	4.00
4.65	NO							
L0162541		0	0.12747E-03	662917.2	4272721.4	81.1	5.00	4.00
4.65	NO							
L0162542		0	0.12747E-03	662916.9	4272730.0	80.4	5.00	4.00
4.65	NO							
L0162543		0	0.12747E-03	662916.6	4272738.6	79.7	5.00	4.00
4.65	NO							
L0162544		0	0.12747E-03	662916.2	4272747.2	79.4	5.00	4.00
4.65	NO							
L0162545		0	0.12747E-03	662915.9	4272755.8	79.2	5.00	4.00
4.65	NO							
L0162546		0	0.12747E-03	662915.6	4272764.4	78.9	5.00	4.00
4.65	NO							
L0162547		0	0.12747E-03	662915.3	4272773.0	78.7	5.00	4.00

4.65	NO							
L0162548		0	0.12747E-03	662914.9	4272781.5	78.4	5.00	4.00
4.65	NO							
L0162549		0	0.12747E-03	662914.6	4272790.1	78.2	5.00	4.00
4.65	NO							
L0162550		0	0.12747E-03	662914.3	4272798.7	77.9	5.00	4.00
4.65	NO							
L0162551		0	0.12747E-03	662913.9	4272807.3	77.8	5.00	4.00
4.65	NO							
L0162552		0	0.12747E-03	662913.6	4272815.9	77.6	5.00	4.00
4.65	NO							
L0162553		0	0.12747E-03	662913.3	4272824.5	77.4	5.00	4.00
4.65	NO							
L0162554		0	0.12747E-03	662912.9	4272833.1	77.3	5.00	4.00
4.65	NO							
L0162555		0	0.12747E-03	662912.6	4272841.7	77.1	5.00	4.00
4.65	NO							
L0162556		0	0.12747E-03	662912.3	4272850.3	77.0	5.00	4.00
4.65	NO							
L0162557		0	0.12747E-03	662912.0	4272858.9	76.8	5.00	4.00
4.65	NO							
L0162558		0	0.12747E-03	662911.6	4272867.5	76.7	5.00	4.00
4.65	NO							
L0162559		0	0.12747E-03	662911.3	4272876.1	76.5	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0162560		0	0.12747E-03	662911.0	4272884.7	76.4	5.00	4.00
4.65	NO							
L0162561		0	0.12747E-03	662910.6	4272893.3	76.3	5.00	4.00
4.65	NO							
L0162562		0	0.12747E-03	662910.3	4272901.9	76.3	5.00	4.00



4.65	NO							
L0162563		0	0.12747E-03	662910.0	4272910.4	76.3	5.00	4.00
4.65	NO							
L0162564		0	0.12747E-03	662909.6	4272919.0	76.2	5.00	4.00
4.65	NO							
L0162565		0	0.12747E-03	662909.3	4272927.6	76.3	5.00	4.00
4.65	NO							
L0162566		0	0.12747E-03	662909.0	4272936.2	76.3	5.00	4.00
4.65	NO							
L0162567		0	0.12747E-03	662908.6	4272944.8	76.4	5.00	4.00
4.65	NO							
L0162568		0	0.12747E-03	662908.3	4272953.4	76.5	5.00	4.00
4.65	NO							
L0162569		0	0.12747E-03	662908.0	4272962.0	76.6	5.00	4.00
4.65	NO							
L0162570		0	0.12747E-03	662907.7	4272970.6	76.7	5.00	4.00
4.65	NO							
L0162571		0	0.12747E-03	662907.3	4272979.2	76.8	5.00	4.00
4.65	NO							
L0162572		0	0.12747E-03	662907.0	4272987.8	77.0	5.00	4.00
4.65	NO							
L0162573		0	0.12747E-03	662906.7	4272996.4	77.1	5.00	4.00
4.65	NO							
L0162574		0	0.12747E-03	662905.4	4273003.9	77.2	5.00	4.00
4.65	NO							
L0162575		0	0.12747E-03	662896.8	4273003.6	76.9	5.00	4.00
4.65	NO							
L0162576		0	0.12747E-03	662888.2	4273003.3	77.0	5.00	4.00
4.65	NO							
L0162577		0	0.12747E-03	662879.6	4273002.9	77.1	5.00	4.00
4.65	NO							
L0162578		0	0.12747E-03	662871.0	4273002.6	77.2	5.00	4.00
4.65	NO							
L0162579		0	0.12747E-03	662862.4	4273002.2	77.6	5.00	4.00
4.65	NO							
L0162580		0	0.12747E-03	662853.8	4273001.9	77.9	5.00	4.00
4.65	NO							
L0162581		0	0.12747E-03	662845.2	4273001.6	78.0	5.00	4.00
4.65	NO							
L0162582		0	0.12747E-03	662836.6	4273001.2	78.0	5.00	4.00
4.65	NO							
L0162583		0	0.12747E-03	662828.0	4273000.9	78.0	5.00	4.00
4.65	NO							
L0162584		0	0.12747E-03	662819.4	4273000.6	77.8	5.00	4.00
4.65	NO							
L0162585		0	0.12747E-03	662810.8	4273000.2	77.6	5.00	4.00
4.65	NO							
L0162586		0	0.12747E-03	662802.2	4272999.9	77.4	5.00	4.00
4.65	NO							
L0162587		0	0.12747E-03	662793.6	4272999.5	77.4	5.00	4.00

4.65	NO							
L0162588		0	0.12747E-03	662785.1	4272999.2	77.4	5.00	4.00
4.65	NO							
L0162589		0	0.12747E-03	662776.5	4272998.9	77.5	5.00	4.00
4.65	NO							
L0162590		0	0.12747E-03	662767.9	4272998.5	78.0	5.00	4.00
4.65	NO							
L0162591		0	0.12747E-03	662759.3	4272998.2	78.4	5.00	4.00
4.65	NO							
L0162592		0	0.12747E-03	662750.7	4272997.9	78.9	5.00	4.00
4.65	NO							
L0162593		0	0.12747E-03	662742.1	4272997.5	79.4	5.00	4.00
4.65	NO							
L0162594		0	0.12747E-03	662733.5	4272997.2	80.0	5.00	4.00
4.65	NO							
L0162595		0	0.12747E-03	662724.9	4272996.9	80.3	5.00	4.00
4.65	NO							
L0162596		0	0.12747E-03	662716.3	4272996.5	80.4	5.00	4.00
4.65	NO							
L0162597		0	0.12747E-03	662707.7	4272996.2	80.5	5.00	4.00
4.65	NO							
L0162598		0	0.12747E-03	662699.1	4272995.8	80.1	5.00	4.00
4.65	NO							
L0162599		0	0.12747E-03	662690.5	4272995.5	79.3	5.00	4.00

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 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					

L0162600		0	0.12747E-03	662681.9	4272995.2	78.5	5.00	4.00
4.65	NO							
L0162601		0	0.12747E-03	662673.3	4272994.8	77.2	5.00	4.00
4.65	NO							
L0162602		0	0.12747E-03	662664.7	4272994.5	75.8	5.00	4.00

4.65	NO							
L0162603		0	0.12747E-03	662656.2	4272994.2	74.4	5.00	4.00
4.65	NO							
L0162604		0	0.12747E-03	662647.6	4272993.8	72.8	5.00	4.00
4.65	NO							
L0162605		0	0.12747E-03	662639.0	4272993.5	71.2	5.00	4.00
4.65	NO							
L0162606		0	0.12747E-03	662630.4	4272993.1	69.6	5.00	4.00
4.65	NO							
L0162607		0	0.12747E-03	662621.8	4272992.8	68.1	5.00	4.00
4.65	NO							
L0162608		0	0.12747E-03	662613.2	4272992.5	66.6	5.00	4.00
4.65	NO							
L0162609		0	0.12747E-03	662604.6	4272992.1	65.6	5.00	4.00
4.65	NO							
L0162610		0	0.12747E-03	662596.0	4272991.8	65.4	5.00	4.00
4.65	NO							
L0162611		0	0.12747E-03	662587.4	4272991.5	65.1	5.00	4.00
4.65	NO							
L0162612		0	0.12747E-03	662578.8	4272991.1	65.0	5.00	4.00
4.65	NO							
L0162613		0	0.12747E-03	662570.2	4272990.8	65.1	5.00	4.00
4.65	NO							
L0162614		0	0.12747E-03	662569.9	4272999.4	65.1	5.00	4.00
4.65	NO							
L0162615		0	0.12747E-03	662569.5	4273008.0	65.2	5.00	4.00
4.65	NO							
L0162616		0	0.12747E-03	662569.1	4273016.6	65.3	5.00	4.00
4.65	NO							
L0162617		0	0.12747E-03	662568.7	4273025.2	65.4	5.00	4.00
4.65	NO							
L0162618		0	0.12747E-03	662568.3	4273033.8	65.5	5.00	4.00
4.65	NO							
L0162619		0	0.12747E-03	662567.9	4273042.4	65.6	5.00	4.00
4.65	NO							
L0162620		0	0.12747E-03	662567.5	4273051.0	65.7	5.00	4.00
4.65	NO							
L0162621		0	0.12747E-03	662567.1	4273059.5	65.8	5.00	4.00
4.65	NO							
L0162622		0	0.12747E-03	662566.8	4273068.1	65.9	5.00	4.00
4.65	NO							
L0162623		0	0.12747E-03	662566.4	4273076.7	66.0	5.00	4.00
4.65	NO							
L0162624		0	0.12747E-03	662566.0	4273085.3	66.1	5.00	4.00
4.65	NO							
L0162625		0	0.12747E-03	662565.6	4273093.9	66.2	5.00	4.00
4.65	NO							
L0162626		0	0.12747E-03	662565.2	4273102.5	66.2	5.00	4.00
4.65	NO							
L0162627		0	0.12747E-03	662564.8	4273111.1	66.3	5.00	4.00

4.65	NO							
L0162628		0	0.12747E-03	662564.4	4273119.7	66.4	5.00	4.00
4.65	NO							
L0162629		0	0.12747E-03	662564.1	4273128.3	66.4	5.00	4.00
4.65	NO							
L0162630		0	0.12747E-03	662563.7	4273136.9	66.5	5.00	4.00
4.65	NO							
L0162631		0	0.12747E-03	662563.3	4273145.5	66.5	5.00	4.00
4.65	NO							
L0162632		0	0.12747E-03	662562.9	4273154.0	66.6	5.00	4.00
4.65	NO							
L0162633		0	0.12747E-03	662562.5	4273162.6	66.6	5.00	4.00
4.65	NO							
L0162634		0	0.12747E-03	662562.1	4273171.2	66.7	5.00	4.00
4.65	NO							
L0162635		0	0.12747E-03	662561.7	4273179.8	66.8	5.00	4.00
4.65	NO							
L0162636		0	0.12747E-03	662561.3	4273188.4	66.9	5.00	4.00
4.65	NO							
L0162637		0	0.12747E-03	662561.0	4273197.0	67.0	5.00	4.00
4.65	NO							
L0162638		0	0.12747E-03	662560.6	4273205.6	67.1	5.00	4.00
4.65	NO							
L0162639		0	0.12747E-03	662560.2	4273214.2	67.3	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0162640		0	0.12747E-03	662559.8	4273222.8	67.4	5.00	4.00
4.65	NO							
L0162641		0	0.12747E-03	662559.4	4273231.4	67.4	5.00	4.00
4.65	NO							
L0162642		0	0.12747E-03	662559.0	4273240.0	67.4	5.00	4.00

4.65	NO							
L0162643		0	0.12747E-03	662558.6	4273248.6	67.4	5.00	4.00
4.65	NO							
L0162644		0	0.12747E-03	662558.2	4273257.1	67.6	5.00	4.00
4.65	NO							
L0162645		0	0.12747E-03	662557.9	4273265.7	68.7	5.00	4.00
4.65	NO							
L0162646		0	0.12747E-03	662557.5	4273274.3	69.8	5.00	4.00
4.65	NO							
L0162647		0	0.12747E-03	662557.1	4273282.9	70.9	5.00	4.00
4.65	NO							
L0162648		0	0.12747E-03	662556.7	4273291.5	71.8	5.00	4.00
4.65	NO							
L0162649		0	0.12747E-03	662556.3	4273300.1	72.4	5.00	4.00
4.65	NO							
L0162650		0	0.12747E-03	662555.9	4273308.7	73.0	5.00	4.00
4.65	NO							
L0162651		0	0.12747E-03	662555.5	4273317.3	73.7	5.00	4.00
4.65	NO							
L0162652		0	0.12747E-03	662555.1	4273325.9	74.3	5.00	4.00
4.65	NO							
L0162653		0	0.12747E-03	662554.8	4273334.5	75.0	5.00	4.00
4.65	NO							
L0162654		0	0.12747E-03	662554.4	4273343.1	75.7	5.00	4.00
4.65	NO							
L0162655		0	0.12747E-03	662554.0	4273351.6	76.5	5.00	4.00
4.65	NO							
L0162656		0	0.12747E-03	662553.6	4273360.2	77.4	5.00	4.00
4.65	NO							
L0162657		0	0.12747E-03	662553.2	4273368.8	78.4	5.00	4.00
4.65	NO							
L0162658		0	0.12747E-03	662552.8	4273377.4	79.3	5.00	4.00
4.65	NO							
L0162659		0	0.12747E-03	662552.4	4273386.0	79.6	5.00	4.00
4.65	NO							
L0162660		0	0.12747E-03	662552.1	4273394.6	79.8	5.00	4.00
4.65	NO							
L0162661		0	0.12747E-03	662551.7	4273403.2	79.9	5.00	4.00
4.65	NO							
L0162662		0	0.12747E-03	662551.3	4273411.8	79.8	5.00	4.00
4.65	NO							
L0162663		0	0.12747E-03	662550.9	4273420.4	79.0	5.00	4.00
4.65	NO							
L0162664		0	0.12747E-03	662550.5	4273429.0	78.3	5.00	4.00
4.65	NO							
L0162665		0	0.12747E-03	662550.1	4273437.6	77.5	5.00	4.00
4.65	NO							
L0162666		0	0.12747E-03	662549.7	4273446.1	77.2	5.00	4.00
4.65	NO							
L0162667		0	0.12747E-03	662549.3	4273454.7	77.0	5.00	4.00

4.65	NO							
L0162668		0	0.12747E-03	662549.0	4273463.3	76.8	5.00	4.00
4.65	NO							
L0162669		0	0.12747E-03	662548.6	4273471.9	76.6	5.00	4.00
4.65	NO							
L0162670		0	0.12747E-03	662548.2	4273480.5	77.2	5.00	4.00
4.65	NO							
L0162671		0	0.12747E-03	662547.8	4273489.1	77.8	5.00	4.00
4.65	NO							
L0162672		0	0.12747E-03	662547.4	4273497.7	78.3	5.00	4.00
4.65	NO							
L0162673		0	0.12747E-03	662547.0	4273506.3	78.8	5.00	4.00
4.65	NO							
L0162674		0	0.12747E-03	662546.6	4273514.9	79.1	5.00	4.00
4.65	NO							
L0162675		0	0.12747E-03	662546.2	4273523.5	79.4	5.00	4.00
4.65	NO							
L0162676		0	0.12747E-03	662545.9	4273532.1	79.7	5.00	4.00
4.65	NO							
L0162677		0	0.12747E-03	662545.5	4273540.7	79.8	5.00	4.00
4.65	NO							
L0162678		0	0.12747E-03	662545.1	4273549.2	79.8	5.00	4.00
4.65	NO							
L0162679		0	0.12747E-03	662544.7	4273557.8	79.9	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0162680		0	0.12747E-03	662544.3	4273566.4	80.1	5.00	4.00
4.65	NO							
L0162681		0	0.12747E-03	662543.9	4273575.0	80.9	5.00	4.00
4.65	NO							
L0162682		0	0.12747E-03	662543.5	4273583.6	81.6	5.00	4.00

4.65	NO							
L0162683		0	0.12747E-03	662543.2	4273592.2	82.4	5.00	4.00
4.65	NO							
L0162684		0	0.12747E-03	662542.8	4273600.8	82.8	5.00	4.00
4.65	NO							
L0162685		0	0.12747E-03	662542.4	4273609.4	83.2	5.00	4.00
4.65	NO							
L0162686		0	0.12747E-03	662542.0	4273618.0	83.6	5.00	4.00
4.65	NO							
L0162687		0	0.12747E-03	662541.6	4273626.6	84.0	5.00	4.00
4.65	NO							
L0162688		0	0.12747E-03	662541.2	4273635.2	84.4	5.00	4.00
4.65	NO							
L0162689		0	0.12747E-03	662540.8	4273643.8	84.8	5.00	4.00
4.65	NO							
L0162690		0	0.12747E-03	662540.4	4273652.3	85.3	5.00	4.00
4.65	NO							
L0162691		0	0.12747E-03	662540.1	4273660.9	85.8	5.00	4.00
4.65	NO							
L0162692		0	0.12747E-03	662539.7	4273669.5	86.4	5.00	4.00
4.65	NO							
L0162693		0	0.12747E-03	662539.3	4273678.1	87.0	5.00	4.00
4.65	NO							
L0162694		0	0.12747E-03	662538.9	4273686.7	87.6	5.00	4.00
4.65	NO							
L0162695		0	0.12747E-03	662538.5	4273695.3	88.4	5.00	4.00
4.65	NO							
L0162696		0	0.12747E-03	662538.1	4273703.9	89.3	5.00	4.00
4.65	NO							
L0162697		0	0.12747E-03	662537.7	4273712.5	90.1	5.00	4.00
4.65	NO							
L0162698		0	0.12747E-03	662537.3	4273721.1	91.0	5.00	4.00
4.65	NO							
L0162699		0	0.12747E-03	662530.0	4273722.1	90.5	5.00	4.00
4.65	NO							
L0162700		0	0.12747E-03	662521.4	4273721.9	89.6	5.00	4.00
4.65	NO							
L0162701		0	0.12747E-03	662512.8	4273721.6	89.5	5.00	4.00
4.65	NO							
L0162702		0	0.12747E-03	662504.2	4273721.3	89.5	5.00	4.00
4.65	NO							
L0162703		0	0.12747E-03	662495.6	4273721.1	89.4	5.00	4.00
4.65	NO							
L0162704		0	0.12747E-03	662487.0	4273720.8	88.3	5.00	4.00
4.65	NO							
L0162705		0	0.12747E-03	662478.4	4273720.5	87.1	5.00	4.00
4.65	NO							
L0162706		0	0.12747E-03	662469.8	4273720.3	86.3	5.00	4.00
4.65	NO							
L0162707		0	0.12747E-03	662461.2	4273720.0	86.2	5.00	4.00

4.65	NO							
L0162708		0	0.12747E-03	662452.6	4273719.8	86.1	5.00	4.00
4.65	NO							
L0162709		0	0.12747E-03	662444.0	4273719.5	86.0	5.00	4.00
4.65	NO							
L0162710		0	0.12747E-03	662435.4	4273719.2	85.8	5.00	4.00
4.65	NO							
L0162711		0	0.12747E-03	662426.8	4273719.0	85.6	5.00	4.00
4.65	NO							
L0162712		0	0.12747E-03	662418.2	4273718.7	85.6	5.00	4.00
4.65	NO							
L0162713		0	0.12747E-03	662409.6	4273718.4	85.6	5.00	4.00
4.65	NO							
L0162714		0	0.12747E-03	662401.0	4273718.2	85.6	5.00	4.00
4.65	NO							
L0162715		0	0.12747E-03	662392.4	4273717.9	85.8	5.00	4.00
4.65	NO							
L0162716		0	0.12747E-03	662383.8	4273717.6	85.9	5.00	4.00
4.65	NO							
L0162717		0	0.12747E-03	662375.3	4273717.4	86.0	5.00	4.00
4.65	NO							
L0162718		0	0.12747E-03	662366.7	4273717.1	87.0	5.00	4.00
4.65	NO							
L0162719		0	0.12747E-03	662358.1	4273716.8	87.9	5.00	4.00

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 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0162720		0	0.12747E-03	662349.5	4273716.6	88.8	5.00	4.00
4.65	NO							
L0162721		0	0.12747E-03	662340.9	4273716.3	89.4	5.00	4.00
4.65	NO							
L0162722		0	0.12747E-03	662332.3	4273716.0	90.1	5.00	4.00



4.65	NO							
L0162723		0	0.12747E-03	662323.7	4273715.8	90.7	5.00	4.00
4.65	NO							
L0162724		0	0.12747E-03	662315.1	4273715.5	91.4	5.00	4.00
4.65	NO							
L0162725		0	0.12747E-03	662306.5	4273715.3	92.0	5.00	4.00
4.65	NO							
L0162726		0	0.12747E-03	662297.9	4273715.0	92.2	5.00	4.00
4.65	NO							
L0162727		0	0.12747E-03	662289.3	4273714.7	92.1	5.00	4.00
4.65	NO							
L0162728		0	0.12747E-03	662280.7	4273714.5	92.0	5.00	4.00
4.65	NO							
L0162729		0	0.12747E-03	662272.1	4273714.2	91.3	5.00	4.00
4.65	NO							
L0162730		0	0.12747E-03	662263.5	4273713.9	90.3	5.00	4.00
4.65	NO							
L0162731		0	0.12747E-03	662254.9	4273713.7	89.4	5.00	4.00
4.65	NO							
L0162732		0	0.12747E-03	662246.3	4273713.4	88.2	5.00	4.00
4.65	NO							
L0162733		0	0.12747E-03	662237.7	4273713.1	87.0	5.00	4.00
4.65	NO							
L0162734		0	0.12747E-03	662229.1	4273712.9	86.0	5.00	4.00
4.65	NO							
L0162735		0	0.12747E-03	662220.5	4273712.6	86.1	5.00	4.00
4.65	NO							
L0162736		0	0.12747E-03	662211.9	4273712.3	86.2	5.00	4.00
4.65	NO							
L0162737		0	0.12747E-03	662203.3	4273712.1	85.8	5.00	4.00
4.65	NO							
L0162738		0	0.12747E-03	662194.7	4273711.8	84.8	5.00	4.00
4.65	NO							
L0162739		0	0.12747E-03	662186.1	4273711.6	83.8	5.00	4.00
4.65	NO							
L0162740		0	0.12747E-03	662177.5	4273711.3	83.4	5.00	4.00
4.65	NO							
L0162741		0	0.12747E-03	662169.0	4273711.0	83.6	5.00	4.00
4.65	NO							
L0162742		0	0.12747E-03	662160.4	4273710.8	83.8	5.00	4.00
4.65	NO							
L0162743		0	0.12747E-03	662151.8	4273710.5	85.0	5.00	4.00
4.65	NO							
L0162744		0	0.12747E-03	662143.2	4273710.2	86.6	5.00	4.00
4.65	NO							
L0162745		0	0.12747E-03	662134.6	4273710.0	88.2	5.00	4.00
4.65	NO							
L0162746		0	0.12747E-03	662126.0	4273709.7	90.1	5.00	4.00
4.65	NO							
L0162747		0	0.12747E-03	662117.4	4273709.4	92.0	5.00	4.00

4.65	NO							
L0162748		0	0.12747E-03	662108.9	4273709.1	94.0	5.00	4.00
4.65	NO							
L0162749		0	0.12747E-03	662109.2	4273700.5	94.3	5.00	4.00
4.65	NO							
L0162750		0	0.12747E-03	662109.5	4273691.9	94.6	5.00	4.00
4.65	NO							
L0162751		0	0.12747E-03	662109.8	4273683.3	94.9	5.00	4.00
4.65	NO							
L0162752		0	0.12747E-03	662110.2	4273674.7	95.4	5.00	4.00
4.65	NO							
L0162753		0	0.12747E-03	662110.5	4273666.1	96.3	5.00	4.00
4.65	NO							
L0162754		0	0.12747E-03	662110.8	4273657.5	97.2	5.00	4.00
4.65	NO							
L0162755		0	0.12747E-03	662111.1	4273648.9	98.0	5.00	4.00
4.65	NO							
L0162756		0	0.12747E-03	662111.4	4273640.3	98.7	5.00	4.00
4.65	NO							
L0162757		0	0.12747E-03	662111.7	4273631.7	99.3	5.00	4.00
4.65	NO							
L0162758		0	0.12747E-03	662112.0	4273623.1	99.9	5.00	4.00
4.65	NO							
L0162759		0	0.12747E-03	662112.3	4273614.5	100.5	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					

L0162760		0	0.12747E-03	662112.7	4273605.9	101.0	5.00	4.00
4.65	NO							
L0162761		0	0.12747E-03	662113.0	4273597.3	101.5	5.00	4.00
4.65	NO							
L0162762		0	0.12747E-03	662113.3	4273588.7	102.0	5.00	4.00

4.65	NO							
L0162763		0	0.12747E-03	662113.6	4273580.1	102.3	5.00	4.00
4.65	NO							
L0162764		0	0.12747E-03	662113.9	4273571.6	102.6	5.00	4.00
4.65	NO							
L0162765		0	0.12747E-03	662114.2	4273563.0	102.8	5.00	4.00
4.65	NO							
L0162766		0	0.12747E-03	662114.5	4273554.4	103.0	5.00	4.00
4.65	NO							
L0162767		0	0.12747E-03	662114.9	4273545.8	103.1	5.00	4.00
4.65	NO							
L0162768		0	0.12747E-03	662115.2	4273537.2	103.3	5.00	4.00
4.65	NO							
L0162769		0	0.12747E-03	662115.5	4273528.6	103.5	5.00	4.00
4.65	NO							
L0162770		0	0.12747E-03	662115.8	4273520.0	103.5	5.00	4.00
4.65	NO							
L0162771		0	0.12747E-03	662116.1	4273511.4	103.6	5.00	4.00
4.65	NO							
L0162772		0	0.12747E-03	662116.4	4273502.8	103.6	5.00	4.00
4.65	NO							
L0162773		0	0.12747E-03	662116.7	4273494.2	103.7	5.00	4.00
4.65	NO							
L0162774		0	0.12747E-03	662117.1	4273485.6	103.6	5.00	4.00
4.65	NO							
L0162775		0	0.12747E-03	662117.4	4273477.0	103.5	5.00	4.00
4.65	NO							
L0162776		0	0.12747E-03	662117.7	4273468.4	103.5	5.00	4.00
4.65	NO							
L0162777		0	0.12747E-03	662118.0	4273459.8	103.4	5.00	4.00
4.65	NO							
L0162778		0	0.12747E-03	662118.3	4273451.2	103.2	5.00	4.00
4.65	NO							
L0162779		0	0.12747E-03	662118.6	4273442.6	103.0	5.00	4.00
4.65	NO							
L0162780		0	0.12747E-03	662118.9	4273434.0	102.7	5.00	4.00
4.65	NO							
L0162781		0	0.12747E-03	662119.2	4273425.5	102.4	5.00	4.00
4.65	NO							
L0162782		0	0.12747E-03	662119.6	4273416.9	102.0	5.00	4.00
4.65	NO							
L0162783		0	0.12747E-03	662119.9	4273408.3	101.6	5.00	4.00
4.65	NO							
L0162784		0	0.12747E-03	662120.2	4273399.7	101.1	5.00	4.00
4.65	NO							
L0162785		0	0.12747E-03	662120.5	4273391.1	100.3	5.00	4.00
4.65	NO							
L0162786		0	0.12747E-03	662120.8	4273382.5	99.4	5.00	4.00
4.65	NO							
L0162787		0	0.12747E-03	662121.1	4273373.9	98.5	5.00	4.00

4.65	NO							
L0162788		0	0.12747E-03	662121.4	4273365.3	97.4	5.00	4.00
4.65	NO							
L0162789		0	0.12747E-03	662121.8	4273356.7	96.0	5.00	4.00
4.65	NO							
L0162790		0	0.12747E-03	662122.1	4273348.1	94.7	5.00	4.00
4.65	NO							
L0162791		0	0.12747E-03	662122.4	4273339.5	93.4	5.00	4.00
4.65	NO							
L0162792		0	0.12747E-03	662122.7	4273330.9	92.3	5.00	4.00
4.65	NO							
L0162793		0	0.12747E-03	662123.0	4273322.3	91.3	5.00	4.00
4.65	NO							
L0162794		0	0.12747E-03	662123.3	4273313.7	90.3	5.00	4.00
4.65	NO							
L0162795		0	0.12747E-03	662123.6	4273305.1	89.2	5.00	4.00
4.65	NO							
L0162796		0	0.12747E-03	662124.0	4273296.5	88.0	5.00	4.00
4.65	NO							
L0162797		0	0.12747E-03	662124.3	4273287.9	86.8	5.00	4.00
4.65	NO							
L0162798		0	0.12747E-03	662124.6	4273279.3	85.6	5.00	4.00
4.65	NO							
L0162799		0	0.12747E-03	662124.9	4273270.8	84.3	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0162800		0	0.12747E-03	662125.2	4273262.2	83.0	5.00	4.00
4.65	NO							
L0162801		0	0.12747E-03	662125.5	4273253.6	81.8	5.00	4.00
4.65	NO							
L0162802		0	0.12747E-03	662125.8	4273245.0	80.5	5.00	4.00

4.65	NO							
L0162803		0	0.12747E-03	662126.1	4273236.4	79.5	5.00	4.00
4.65	NO							
L0162804		0	0.12747E-03	662126.5	4273227.8	78.4	5.00	4.00
4.65	NO							
L0162805		0	0.12747E-03	662126.8	4273219.2	77.3	5.00	4.00
4.65	NO							
L0162806		0	0.12747E-03	662127.1	4273210.6	76.5	5.00	4.00
4.65	NO							
L0162807		0	0.12747E-03	662127.4	4273202.0	75.8	5.00	4.00
4.65	NO							
L0162808		0	0.12747E-03	662127.7	4273193.4	75.1	5.00	4.00
4.65	NO							
L0162809		0	0.12747E-03	662128.0	4273184.8	74.4	5.00	4.00
4.65	NO							
L0162810		0	0.12747E-03	662128.3	4273176.2	74.0	5.00	4.00
4.65	NO							
L0162811		0	0.12747E-03	662128.7	4273167.6	73.5	5.00	4.00
4.65	NO							
L0162812		0	0.12747E-03	662129.0	4273159.0	73.1	5.00	4.00
4.65	NO							
L0162813		0	0.12747E-03	662129.3	4273150.4	72.7	5.00	4.00
4.65	NO							
L0162814		0	0.12747E-03	662129.6	4273141.8	72.5	5.00	4.00
4.65	NO							
L0162815		0	0.12747E-03	662129.9	4273133.2	72.3	5.00	4.00
4.65	NO							
L0162816		0	0.12747E-03	662130.2	4273124.7	72.1	5.00	4.00
4.65	NO							
L0162817		0	0.12747E-03	662130.5	4273116.1	72.0	5.00	4.00
4.65	NO							
L0162818		0	0.12747E-03	662130.9	4273107.5	71.9	5.00	4.00
4.65	NO							
L0162819		0	0.12747E-03	662131.2	4273098.9	71.9	5.00	4.00
4.65	NO							
L0162820		0	0.12747E-03	662131.5	4273090.3	71.8	5.00	4.00
4.65	NO							
L0162821		0	0.12747E-03	662131.8	4273081.7	71.6	5.00	4.00
4.65	NO							
L0162822		0	0.12747E-03	662132.1	4273073.1	71.4	5.00	4.00
4.65	NO							
L0162823		0	0.12747E-03	662132.4	4273064.5	71.2	5.00	4.00
4.65	NO							
L0162824		0	0.12747E-03	662132.7	4273055.9	70.9	5.00	4.00
4.65	NO							
L0162825		0	0.12747E-03	662133.0	4273047.3	70.5	5.00	4.00
4.65	NO							
L0162826		0	0.12747E-03	662133.4	4273038.7	70.1	5.00	4.00
4.65	NO							
L0162827		0	0.12747E-03	662133.7	4273030.1	69.8	5.00	4.00

4.65	NO							
L0162828		0	0.12747E-03	662134.0	4273021.5	69.5	5.00	4.00
4.65	NO							
L0162829		0	0.12747E-03	662134.3	4273012.9	69.2	5.00	4.00
4.65	NO							
L0162830		0	0.12747E-03	662134.6	4273004.3	68.9	5.00	4.00
4.65	NO							
L0162831		0	0.12747E-03	662134.9	4272995.7	68.7	5.00	4.00
4.65	NO							
L0162832		0	0.12747E-03	662135.2	4272987.1	68.5	5.00	4.00
4.65	NO							
L0162833		0	0.12747E-03	662135.6	4272978.5	68.3	5.00	4.00
4.65	NO							
L0162834		0	0.12747E-03	662135.9	4272970.0	68.1	5.00	4.00
4.65	NO							
L0162835		0	0.12747E-03	662136.2	4272961.4	67.9	5.00	4.00
4.65	NO							
L0162836		0	0.12747E-03	662136.5	4272952.8	67.7	5.00	4.00
4.65	NO							
L0162837		0	0.12747E-03	662136.8	4272944.2	67.5	5.00	4.00
4.65	NO							
L0162838		0	0.12747E-03	662137.1	4272935.6	67.3	5.00	4.00
4.65	NO							
L0162839		0	0.12747E-03	662137.4	4272927.0	67.1	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					

L0162840		0	0.12747E-03	662137.8	4272918.4	66.9	5.00	4.00
4.65	NO							
L0162841		0	0.12747E-03	662138.1	4272909.8	66.7	5.00	4.00
4.65	NO							
L0162842		0	0.12747E-03	662138.4	4272901.2	66.4	5.00	4.00

4.65	NO							
L0162843		0	0.12747E-03	662138.7	4272892.6	66.1	5.00	4.00
4.65	NO							
L0162844		0	0.12747E-03	662139.0	4272884.0	65.9	5.00	4.00
4.65	NO							
L0162845		0	0.12747E-03	662139.3	4272875.4	65.6	5.00	4.00
4.65	NO							
L0162846		0	0.12747E-03	662139.6	4272866.8	65.6	5.00	4.00
4.65	NO							
L0162847		0	0.12747E-03	662139.9	4272858.2	65.5	5.00	4.00
4.65	NO							
L0162848		0	0.12747E-03	662140.3	4272849.6	65.4	5.00	4.00
4.65	NO							
L0162849		0	0.12747E-03	662140.6	4272841.0	65.4	5.00	4.00
4.65	NO							
L0162850		0	0.12747E-03	662140.9	4272832.4	65.4	5.00	4.00
4.65	NO							
L0162851		0	0.12747E-03	662141.2	4272823.9	65.5	5.00	4.00
4.65	NO							
L0162852		0	0.12747E-03	662141.5	4272815.3	65.5	5.00	4.00
4.65	NO							
L0162853		0	0.12747E-03	662141.8	4272806.7	65.4	5.00	4.00
4.65	NO							
L0162854		0	0.12747E-03	662133.7	4272806.2	65.5	5.00	4.00
4.65	NO							
L0162855		0	0.12747E-03	662125.1	4272806.1	65.5	5.00	4.00
4.65	NO							
L0162856		0	0.12747E-03	662116.5	4272806.1	65.5	5.00	4.00
4.65	NO							
L0162857		0	0.12747E-03	662107.9	4272806.0	65.4	5.00	4.00
4.65	NO							
L0162858		0	0.12747E-03	662099.3	4272805.9	65.4	5.00	4.00
4.65	NO							
L0162859		0	0.12747E-03	662090.7	4272805.9	65.4	5.00	4.00
4.65	NO							
L0162860		0	0.12747E-03	662082.1	4272805.8	65.4	5.00	4.00
4.65	NO							
L0162861		0	0.12747E-03	662073.5	4272805.7	65.3	5.00	4.00
4.65	NO							
L0162862		0	0.12747E-03	662064.9	4272805.7	65.3	5.00	4.00
4.65	NO							
L0162863		0	0.12747E-03	662056.3	4272805.6	65.2	5.00	4.00
4.65	NO							
L0162864		0	0.12747E-03	662047.7	4272805.5	65.3	5.00	4.00
4.65	NO							
L0162865		0	0.12747E-03	662039.1	4272805.5	65.4	5.00	4.00
4.65	NO							
L0162866		0	0.12747E-03	662030.5	4272805.4	65.5	5.00	4.00
4.65	NO							
L0162867		0	0.12747E-03	662021.9	4272805.3	65.9	5.00	4.00

4.65	NO							
L0162868		0	0.12747E-03	662013.3	4272805.3	66.2	5.00	4.00
4.65	NO							
L0162869		0	0.12747E-03	662004.7	4272805.2	66.6	5.00	4.00
4.65	NO							
L0162870		0	0.12747E-03	661996.1	4272805.1	66.8	5.00	4.00
4.65	NO							
L0162871		0	0.12747E-03	661987.5	4272805.1	67.0	5.00	4.00
4.65	NO							
L0162872		0	0.12747E-03	661978.9	4272805.0	67.1	5.00	4.00
4.65	NO							
L0162873		0	0.12747E-03	661970.3	4272804.9	67.2	5.00	4.00
4.65	NO							
L0162874		0	0.12747E-03	661961.7	4272804.9	67.3	5.00	4.00
4.65	NO							
L0162875		0	0.12747E-03	661953.1	4272804.8	67.6	5.00	4.00
4.65	NO							
L0162876		0	0.12747E-03	661944.5	4272804.8	68.2	5.00	4.00
4.65	NO							
L0162877		0	0.12747E-03	661935.9	4272804.7	68.7	5.00	4.00
4.65	NO							
L0162878		0	0.12747E-03	661927.3	4272804.6	69.5	5.00	4.00
4.65	NO							
L0162879		0	0.12747E-03	661918.7	4272804.6	70.4	5.00	4.00

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 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0162880		0	0.12747E-03	661910.1	4272804.5	71.3	5.00	4.00
4.65	NO							
L0162881		0	0.12747E-03	661901.5	4272804.4	72.0	5.00	4.00
4.65	NO							
L0162882		0	0.12747E-03	661892.9	4272804.4	72.6	5.00	4.00



4.65	NO							
L0162883		0	0.12747E-03	661884.3	4272804.3	73.3	5.00	4.00
4.65	NO							
L0162884		0	0.12747E-03	661875.7	4272804.2	73.7	5.00	4.00
4.65	NO							
L0162885		0	0.12747E-03	661867.1	4272804.2	74.1	5.00	4.00
4.65	NO							
L0162886		0	0.12747E-03	661858.5	4272804.1	74.4	5.00	4.00
4.65	NO							
L0162887		0	0.12747E-03	661849.9	4272804.0	74.4	5.00	4.00
4.65	NO							
L0162888		0	0.12747E-03	661841.3	4272804.0	74.5	5.00	4.00
4.65	NO							
L0162889		0	0.12747E-03	661832.7	4272803.9	74.5	5.00	4.00
4.65	NO							
L0162890		0	0.12747E-03	661824.1	4272803.8	74.4	5.00	4.00
4.65	NO							
L0162891		0	0.12747E-03	661815.5	4272803.8	74.3	5.00	4.00
4.65	NO							
L0162892		0	0.12747E-03	661806.9	4272803.7	73.9	5.00	4.00
4.65	NO							
L0162893		0	0.12747E-03	661798.3	4272803.6	73.5	5.00	4.00
4.65	NO							
L0162894		0	0.12747E-03	661789.7	4272803.6	73.0	5.00	4.00
4.65	NO							
L0162895		0	0.12747E-03	661781.1	4272803.5	73.0	5.00	4.00
4.65	NO							
L0162896		0	0.12747E-03	661772.5	4272803.4	73.0	5.00	4.00
4.65	NO							
L0162897		0	0.12747E-03	661763.9	4272803.4	73.1	5.00	4.00
4.65	NO							
L0162898		0	0.12747E-03	661755.3	4272803.3	73.8	5.00	4.00
4.65	NO							
L0162899		0	0.12747E-03	661746.7	4272803.3	74.4	5.00	4.00
4.65	NO							
L0162900		0	0.12747E-03	661738.1	4272803.2	74.9	5.00	4.00
4.65	NO							
L0162901		0	0.12747E-03	661729.5	4272803.1	75.2	5.00	4.00
4.65	NO							
L0162902		0	0.12747E-03	661720.9	4272803.1	75.5	5.00	4.00
4.65	NO							
L0162903		0	0.12747E-03	661712.3	4272803.0	75.7	5.00	4.00
4.65	NO							
L0162904		0	0.12747E-03	661703.7	4272802.9	75.7	5.00	4.00
4.65	NO							
L0162905		0	0.12747E-03	661695.1	4272802.9	75.7	5.00	4.00
4.65	NO							
L0162906		0	0.12747E-03	661686.5	4272802.8	75.8	5.00	4.00
4.65	NO							
L0162907		0	0.12747E-03	661677.9	4272802.7	75.8	5.00	4.00

4.65	NO							
L0162908		0	0.12747E-03	661669.3	4272802.7	75.9	5.00	4.00
4.65	NO							
L0162909		0	0.12747E-03	661660.7	4272802.6	76.1	5.00	4.00
4.65	NO							
L0162910		0	0.12747E-03	661652.1	4272802.5	76.4	5.00	4.00
4.65	NO							
L0162911		0	0.12747E-03	661643.5	4272802.5	76.7	5.00	4.00
4.65	NO							
L0162912		0	0.12747E-03	661634.9	4272802.4	77.1	5.00	4.00
4.65	NO							
L0162913		0	0.12747E-03	661626.3	4272802.3	77.5	5.00	4.00
4.65	NO							
L0162914		0	0.12747E-03	661617.7	4272802.3	77.9	5.00	4.00
4.65	NO							
L0162915		0	0.12747E-03	661609.1	4272802.2	78.3	5.00	4.00
4.65	NO							
L0162916		0	0.12747E-03	661600.5	4272802.1	78.7	5.00	4.00
4.65	NO							
L0162917		0	0.12747E-03	661591.9	4272802.1	79.2	5.00	4.00
4.65	NO							
L0162918		0	0.12747E-03	661583.3	4272802.0	79.8	5.00	4.00
4.65	NO							
L0162919		0	0.12747E-03	661574.7	4272801.9	80.4	5.00	4.00

^ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0162920		0	0.12747E-03	661566.1	4272801.9	81.0	5.00	4.00
4.65	NO							
L0162921		0	0.12747E-03	661557.5	4272801.8	81.5	5.00	4.00
4.65	NO							
L0162922		0	0.12747E-03	661548.9	4272801.8	82.1	5.00	4.00

4.65	NO							
L0162923		0	0.12747E-03	661540.3	4272801.7	82.5	5.00	4.00
4.65	NO							
L0162924		0	0.12747E-03	661531.7	4272801.6	82.8	5.00	4.00
4.65	NO							
L0162925		0	0.12747E-03	661523.1	4272801.6	83.1	5.00	4.00
4.65	NO							
L0162926		0	0.12747E-03	661514.5	4272801.5	83.3	5.00	4.00
4.65	NO							
L0162927		0	0.12747E-03	661505.9	4272801.4	83.5	5.00	4.00
4.65	NO							
L0162928		0	0.12747E-03	661497.3	4272801.4	83.7	5.00	4.00
4.65	NO							
L0162929		0	0.12747E-03	661488.7	4272801.3	84.2	5.00	4.00
4.65	NO							
L0162930		0	0.12747E-03	661480.1	4272801.2	84.7	5.00	4.00
4.65	NO							
L0162931		0	0.12747E-03	661471.5	4272801.2	85.1	5.00	4.00
4.65	NO							
L0162932		0	0.12747E-03	661462.9	4272801.1	85.6	5.00	4.00
4.65	NO							
L0162933		0	0.12747E-03	661454.3	4272801.0	86.0	5.00	4.00
4.65	NO							
L0162934		0	0.12747E-03	661445.7	4272801.0	86.2	5.00	4.00
4.65	NO							
L0162935		0	0.12747E-03	661437.1	4272800.9	86.2	5.00	4.00
4.65	NO							
L0162936		0	0.12747E-03	661428.5	4272800.8	86.2	5.00	4.00
4.65	NO							
L0162937		0	0.12747E-03	661419.9	4272800.8	86.0	5.00	4.00
4.65	NO							
L0162938		0	0.12747E-03	661411.3	4272800.7	85.7	5.00	4.00
4.65	NO							
L0162939		0	0.12747E-03	661402.7	4272800.6	85.4	5.00	4.00
4.65	NO							
L0162940		0	0.12747E-03	661394.1	4272800.6	85.4	5.00	4.00
4.65	NO							
L0162941		0	0.12747E-03	661385.5	4272800.5	85.4	5.00	4.00
4.65	NO							
L0162942		0	0.12747E-03	661376.9	4272800.5	85.4	5.00	4.00
4.65	NO							
L0162943		0	0.12747E-03	661368.3	4272800.4	85.2	5.00	4.00
4.65	NO							
L0162944		0	0.12747E-03	661359.7	4272800.3	84.9	5.00	4.00
4.65	NO							
L0162945		0	0.12747E-03	661351.1	4272800.3	84.5	5.00	4.00
4.65	NO							
L0162946		0	0.12747E-03	661342.5	4272800.2	83.7	5.00	4.00
4.65	NO							
L0162947		0	0.12747E-03	661333.9	4272800.1	82.8	5.00	4.00

4.65	NO							
L0162948		0	0.12747E-03	661325.3	4272800.1	81.9	5.00	4.00
4.65	NO							
L0162949		0	0.12747E-03	661316.7	4272800.0	80.8	5.00	4.00
4.65	NO							
L0162950		0	0.12747E-03	661308.1	4272799.9	79.6	5.00	4.00
4.65	NO							
L0162951		0	0.12747E-03	661299.5	4272799.9	79.4	5.00	4.00
4.65	NO							
L0162952		0	0.12747E-03	661290.9	4272799.8	79.6	5.00	4.00
4.65	NO							
L0162953		0	0.12747E-03	661282.3	4272799.7	79.7	5.00	4.00
4.65	NO							
L0162954		0	0.12747E-03	661273.7	4272799.7	80.0	5.00	4.00
4.65	NO							
L0162955		0	0.12747E-03	661272.3	4272792.9	80.1	5.00	4.00
4.65	NO							
L0162956		0	0.12747E-03	661272.8	4272784.3	80.2	5.00	4.00
4.65	NO							
L0162957		0	0.12747E-03	661273.3	4272775.7	80.3	5.00	4.00
4.65	NO							
L0162958		0	0.12747E-03	661273.8	4272767.1	80.3	5.00	4.00
4.65	NO							
L0162959		0	0.12747E-03	661274.3	4272758.5	80.4	5.00	4.00

\*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0162960		0	0.12747E-03	661274.8	4272750.0	80.5	5.00	4.00
4.65	NO							
L0162961		0	0.12747E-03	661275.3	4272741.4	80.5	5.00	4.00
4.65	NO							
L0162962		0	0.12747E-03	661275.9	4272732.8	80.6	5.00	4.00

4.65	NO							
L0162963		0	0.12747E-03	661276.4	4272724.2	80.6	5.00	4.00
4.65	NO							
L0162964		0	0.12747E-03	661276.9	4272715.6	80.6	5.00	4.00
4.65	NO							
L0162965		0	0.12747E-03	661277.4	4272707.0	80.6	5.00	4.00
4.65	NO							
L0162966		0	0.12747E-03	661277.9	4272698.5	80.4	5.00	4.00
4.65	NO							
L0162967		0	0.12747E-03	661278.4	4272689.9	80.2	5.00	4.00
4.65	NO							
L0162968		0	0.12747E-03	661278.9	4272681.3	80.1	5.00	4.00
4.65	NO							
L0162969		0	0.12747E-03	661279.4	4272672.7	79.8	5.00	4.00
4.65	NO							
L0162970		0	0.12747E-03	661280.0	4272664.1	79.5	5.00	4.00
4.65	NO							
L0162971		0	0.12747E-03	661280.5	4272655.5	79.1	5.00	4.00
4.65	NO							
L0162972		0	0.12747E-03	661281.0	4272646.9	78.7	5.00	4.00
4.65	NO							
L0162973		0	0.12747E-03	661281.5	4272638.4	78.4	5.00	4.00
4.65	NO							
L0162974		0	0.12747E-03	661282.0	4272629.8	78.1	5.00	4.00
4.65	NO							
L0162975		0	0.12747E-03	661282.5	4272621.2	77.8	5.00	4.00
4.65	NO							
L0162976		0	0.12747E-03	661283.0	4272612.6	77.5	5.00	4.00
4.65	NO							
L0162977		0	0.12747E-03	661283.5	4272604.0	77.5	5.00	4.00
4.65	NO							
L0162978		0	0.12747E-03	661284.1	4272595.4	77.5	5.00	4.00
4.65	NO							
L0162979		0	0.12747E-03	661284.6	4272586.9	77.4	5.00	4.00
4.65	NO							
L0162980		0	0.12747E-03	661285.1	4272578.3	77.7	5.00	4.00
4.65	NO							
L0162981		0	0.12747E-03	661285.6	4272569.7	78.5	5.00	4.00
4.65	NO							
L0162982		0	0.12747E-03	661286.1	4272561.1	79.2	5.00	4.00
4.65	NO							
L0162983		0	0.12747E-03	661286.6	4272552.5	80.0	5.00	4.00
4.65	NO							
L0162984		0	0.12747E-03	661287.1	4272543.9	79.5	5.00	4.00
4.65	NO							
L0162985		0	0.12747E-03	661287.6	4272535.3	79.0	5.00	4.00
4.65	NO							
L0162986		0	0.12747E-03	661288.2	4272526.8	78.4	5.00	4.00
4.65	NO							
L0162987		0	0.12747E-03	661288.7	4272518.2	77.9	5.00	4.00

4.65	NO							
L0162988		0	0.12747E-03	661289.2	4272509.6	77.6	5.00	4.00
4.65	NO							
L0162989		0	0.12747E-03	661289.7	4272501.0	77.3	5.00	4.00
4.65	NO							
L0162990		0	0.12747E-03	661290.2	4272492.4	77.0	5.00	4.00
4.65	NO							
L0162991		0	0.12747E-03	661290.7	4272483.8	76.9	5.00	4.00
4.65	NO							
L0162992		0	0.12747E-03	661291.2	4272475.3	76.9	5.00	4.00
4.65	NO							
L0162993		0	0.12747E-03	661291.7	4272466.7	76.9	5.00	4.00
4.65	NO							
L0162994		0	0.12747E-03	661292.3	4272458.1	77.0	5.00	4.00
4.65	NO							
L0162995		0	0.12747E-03	661292.8	4272449.5	77.2	5.00	4.00
4.65	NO							
L0162996		0	0.12747E-03	661293.3	4272440.9	77.5	5.00	4.00
4.65	NO							
L0162997		0	0.12747E-03	661293.8	4272432.3	77.8	5.00	4.00
4.65	NO							
L0162998		0	0.12747E-03	661294.3	4272423.7	78.3	5.00	4.00
4.65	NO							
L0162999		0	0.12747E-03	661294.8	4272415.2	79.0	5.00	4.00

\*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
 \*\*\* AERMET - VERSION 19191 \*\*\*      \*\*\*  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0163000		0	0.12747E-03	661295.3	4272406.6	79.6	5.00	4.00
4.65	NO							
L0163001		0	0.12747E-03	661295.8	4272398.0	80.2	5.00	4.00
4.65	NO							
L0163002		0	0.12747E-03	661296.4	4272389.4	80.1	5.00	4.00

4.65	NO							
L0163003		0	0.12747E-03	661296.9	4272380.8	79.9	5.00	4.00
4.65	NO							
L0163004		0	0.12747E-03	661297.4	4272372.2	79.7	5.00	4.00
4.65	NO							
L0163005		0	0.12747E-03	661297.9	4272363.7	79.7	5.00	4.00
4.65	NO							
L0163006		0	0.12747E-03	661301.2	4272358.1	79.8	5.00	4.00
4.65	NO							
L0163007		0	0.12747E-03	661309.8	4272358.1	79.6	5.00	4.00
4.65	NO							
L0163008		0	0.12747E-03	661318.4	4272358.1	79.3	5.00	4.00
4.65	NO							
L0163009		0	0.12747E-03	661327.0	4272358.1	78.9	5.00	4.00
4.65	NO							
L0163010		0	0.12747E-03	661335.6	4272358.1	78.5	5.00	4.00
4.65	NO							
L0163011		0	0.12747E-03	661344.2	4272358.1	78.2	5.00	4.00
4.65	NO							
L0163012		0	0.12747E-03	661352.8	4272358.1	77.9	5.00	4.00
4.65	NO							
L0163013		0	0.12747E-03	661361.4	4272358.1	77.6	5.00	4.00
4.65	NO							
L0163014		0	0.12747E-03	661370.0	4272358.1	77.3	5.00	4.00
4.65	NO							
L0163015		0	0.12747E-03	661378.6	4272358.1	77.0	5.00	4.00
4.65	NO							
L0163016		0	0.12747E-03	661387.2	4272358.1	76.8	5.00	4.00
4.65	NO							
L0163017		0	0.12747E-03	661395.8	4272358.1	76.5	5.00	4.00
4.65	NO							
L0163018		0	0.12747E-03	661404.4	4272358.1	76.1	5.00	4.00
4.65	NO							
L0163019		0	0.12747E-03	661413.0	4272358.1	75.8	5.00	4.00
4.65	NO							
L0163020		0	0.12747E-03	661421.6	4272358.1	75.4	5.00	4.00
4.65	NO							
L0163021		0	0.12747E-03	661430.2	4272358.1	74.9	5.00	4.00
4.65	NO							
L0163022		0	0.12747E-03	661438.8	4272358.1	74.5	5.00	4.00
4.65	NO							
L0163023		0	0.12747E-03	661447.4	4272358.1	74.1	5.00	4.00
4.65	NO							
L0163024		0	0.12747E-03	661456.0	4272358.1	73.7	5.00	4.00
4.65	NO							
L0163025		0	0.12747E-03	661464.6	4272358.1	73.3	5.00	4.00
4.65	NO							
L0163026		0	0.12747E-03	661473.2	4272358.1	73.0	5.00	4.00
4.65	NO							
L0163027		0	0.12747E-03	661481.8	4272358.1	72.7	5.00	4.00

4.65	NO							
L0163028		0	0.12747E-03	661490.4	4272358.1	72.5	5.00	4.00
4.65	NO							
L0163029		0	0.12747E-03	661499.0	4272358.1	72.2	5.00	4.00
4.65	NO							
L0163030		0	0.12747E-03	661507.6	4272358.1	71.9	5.00	4.00
4.65	NO							
L0163031		0	0.12747E-03	661516.2	4272358.1	71.7	5.00	4.00
4.65	NO							
L0163032		0	0.12747E-03	661524.8	4272358.1	71.5	5.00	4.00
4.65	NO							
L0163033		0	0.12747E-03	661533.4	4272358.1	71.3	5.00	4.00
4.65	NO							
L0163034		0	0.12747E-03	661542.0	4272358.1	71.1	5.00	4.00
4.65	NO							
L0163035		0	0.12747E-03	661550.6	4272358.1	70.9	5.00	4.00
4.65	NO							
L0163036		0	0.12747E-03	661559.2	4272358.1	70.8	5.00	4.00
4.65	NO							
L0163037		0	0.12747E-03	661567.8	4272358.1	70.8	5.00	4.00
4.65	NO							
L0163038		0	0.12747E-03	661576.4	4272358.1	70.7	5.00	4.00
4.65	NO							
L0163039		0	0.12747E-03	661585.0	4272358.1	70.8	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0163040		0	0.12747E-03	661593.6	4272358.1	70.9	5.00	4.00
4.65	NO							
L0163041		0	0.12747E-03	661602.2	4272358.1	71.1	5.00	4.00
4.65	NO							
L0163042		0	0.12747E-03	661610.8	4272358.1	71.4	5.00	4.00



4.65	NO							
L0163043		0	0.12747E-03	661619.4	4272358.1	71.7	5.00	4.00
4.65	NO							
L0163044		0	0.12747E-03	661628.0	4272358.1	72.0	5.00	4.00
4.65	NO							
L0163045		0	0.12747E-03	661636.6	4272358.1	72.6	5.00	4.00
4.65	NO							
L0163046		0	0.12747E-03	661645.2	4272358.1	73.2	5.00	4.00
4.65	NO							
L0163047		0	0.12747E-03	661653.8	4272358.1	73.8	5.00	4.00
4.65	NO							
L0163048		0	0.12747E-03	661662.4	4272358.1	74.1	5.00	4.00
4.65	NO							
L0163049		0	0.12747E-03	661671.0	4272358.1	74.3	5.00	4.00
4.65	NO							
L0163050		0	0.12747E-03	661679.6	4272358.1	74.4	5.00	4.00
4.65	NO							
L0163051		0	0.12747E-03	661688.2	4272358.1	74.0	5.00	4.00
4.65	NO							
L0163052		0	0.12747E-03	661696.8	4272358.1	73.5	5.00	4.00
4.65	NO							
L0163053		0	0.12747E-03	661705.4	4272358.1	72.9	5.00	4.00
4.65	NO							
L0163054		0	0.12747E-03	661714.0	4272358.1	72.2	5.00	4.00
4.65	NO							
L0163055		0	0.12747E-03	661722.6	4272358.1	71.5	5.00	4.00
4.65	NO							
L0163056		0	0.12747E-03	661731.2	4272358.1	70.8	5.00	4.00
4.65	NO							
L0163057		0	0.12747E-03	661733.5	4272351.5	70.2	5.00	4.00
4.65	NO							
L0163058		0	0.12747E-03	661733.9	4272342.9	69.7	5.00	4.00
4.65	NO							
L0163059		0	0.12747E-03	661734.2	4272334.3	69.4	5.00	4.00
4.65	NO							
L0163060		0	0.12747E-03	661734.6	4272325.7	69.1	5.00	4.00
4.65	NO							
L0163061		0	0.12747E-03	661734.9	4272317.1	68.7	5.00	4.00
4.65	NO							
L0163062		0	0.12747E-03	661735.3	4272308.5	68.7	5.00	4.00
4.65	NO							
L0163063		0	0.12747E-03	661735.7	4272299.9	68.9	5.00	4.00
4.65	NO							
L0163064		0	0.12747E-03	661736.0	4272291.3	69.1	5.00	4.00
4.65	NO							
L0163065		0	0.12747E-03	661736.4	4272282.7	69.3	5.00	4.00
4.65	NO							
L0163066		0	0.12747E-03	661736.7	4272274.1	69.5	5.00	4.00
4.65	NO							
L0163067		0	0.12747E-03	661737.1	4272265.5	69.7	5.00	4.00

4.65	NO							
L0163068		0	0.12747E-03	661737.5	4272256.9	70.0	5.00	4.00
4.65	NO							
L0163069		0	0.12747E-03	661737.8	4272248.3	70.2	5.00	4.00
4.65	NO							
L0163070		0	0.12747E-03	661738.2	4272239.8	70.6	5.00	4.00
4.65	NO							
L0163071		0	0.12747E-03	661738.6	4272231.2	70.9	5.00	4.00
4.65	NO							
L0163072		0	0.12747E-03	661738.9	4272222.6	71.2	5.00	4.00
4.65	NO							
L0163073		0	0.12747E-03	661739.3	4272214.0	71.7	5.00	4.00
4.65	NO							
L0163074		0	0.12747E-03	661739.6	4272205.4	72.1	5.00	4.00
4.65	NO							
L0163075		0	0.12747E-03	661740.0	4272196.8	72.6	5.00	4.00
4.65	NO							
L0163076		0	0.12747E-03	661740.4	4272188.2	73.2	5.00	4.00
4.65	NO							
L0163077		0	0.12747E-03	661740.7	4272179.6	74.0	5.00	4.00
4.65	NO							
L0163078		0	0.12747E-03	661741.1	4272171.0	74.8	5.00	4.00
4.65	NO							
L0163079		0	0.12747E-03	661741.4	4272162.4	75.6	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0163080		0	0.12747E-03	661741.8	4272153.8	76.7	5.00	4.00
4.65	NO							
L0163081		0	0.12747E-03	661742.2	4272145.2	78.0	5.00	4.00
4.65	NO							
L0163082		0	0.12747E-03	661742.5	4272136.6	79.2	5.00	4.00

4.65	NO							
L0163083		0	0.12747E-03	661742.9	4272128.1	80.5	5.00	4.00
4.65	NO							
L0163084		0	0.12747E-03	661743.2	4272119.5	81.6	5.00	4.00
4.65	NO							
L0163085		0	0.12747E-03	661743.6	4272110.9	82.7	5.00	4.00
4.65	NO							
L0163086		0	0.12747E-03	661744.0	4272102.3	83.8	5.00	4.00
4.65	NO							
L0163087		0	0.12747E-03	661744.3	4272093.7	84.6	5.00	4.00
4.65	NO							
L0163088		0	0.12747E-03	661744.7	4272085.1	85.1	5.00	4.00
4.65	NO							
L0163089		0	0.12747E-03	661745.1	4272076.5	85.7	5.00	4.00
4.65	NO							
L0163090		0	0.12747E-03	661745.4	4272067.9	86.2	5.00	4.00
4.65	NO							
L0163091		0	0.12747E-03	661745.8	4272059.3	86.5	5.00	4.00
4.65	NO							
L0163092		0	0.12747E-03	661746.1	4272050.7	86.7	5.00	4.00
4.65	NO							
L0163093		0	0.12747E-03	661746.5	4272042.1	86.9	5.00	4.00
4.65	NO							
L0163094		0	0.12747E-03	661746.9	4272033.5	86.9	5.00	4.00
4.65	NO							
L0163095		0	0.12747E-03	661747.2	4272024.9	86.5	5.00	4.00
4.65	NO							
L0163096		0	0.12747E-03	661747.6	4272016.4	86.1	5.00	4.00
4.65	NO							
L0163097		0	0.12747E-03	661747.9	4272007.8	85.7	5.00	4.00
4.65	NO							
L0163098		0	0.12747E-03	661748.3	4271999.2	84.9	5.00	4.00
4.65	NO							
L0163099		0	0.12747E-03	661748.7	4271990.6	84.0	5.00	4.00
4.65	NO							
L0163100		0	0.12747E-03	661749.0	4271982.0	83.0	5.00	4.00
4.65	NO							
L0163101		0	0.12747E-03	661749.4	4271973.4	82.1	5.00	4.00
4.65	NO							
L0163102		0	0.12747E-03	661749.7	4271964.8	81.5	5.00	4.00
4.65	NO							
L0163103		0	0.12747E-03	661750.1	4271956.2	80.9	5.00	4.00
4.65	NO							
L0163104		0	0.12747E-03	661750.5	4271947.6	80.3	5.00	4.00
4.65	NO							
L0163105		0	0.12747E-03	661750.8	4271939.0	79.8	5.00	4.00
4.65	NO							
L0163106		0	0.12747E-03	661751.2	4271930.4	79.5	5.00	4.00
4.65	NO							
L0163107		0	0.12747E-03	661751.5	4271921.8	79.1	5.00	4.00

4.65	NO							
L0163108		0	0.12747E-03	661751.9	4271913.2	78.7	5.00	4.00
4.65	NO							
L0163109		0	0.12747E-03	661752.3	4271904.6	78.3	5.00	4.00
4.65	NO							
L0163110		0	0.12747E-03	661752.6	4271896.1	78.0	5.00	4.00
4.65	NO							
L0163111		0	0.12747E-03	661753.0	4271887.5	77.6	5.00	4.00
4.65	NO							
L0163112		0	0.12747E-03	661753.4	4271878.9	77.3	5.00	4.00
4.65	NO							
L0163113		0	0.12747E-03	661753.7	4271870.3	76.9	5.00	4.00
4.65	NO							
L0163114		0	0.12747E-03	661754.1	4271861.7	76.5	5.00	4.00
4.65	NO							
L0163115		0	0.12747E-03	661754.4	4271853.1	76.1	5.00	4.00
4.65	NO							
L0163116		0	0.12747E-03	661754.8	4271844.5	75.8	5.00	4.00
4.65	NO							
L0163117		0	0.12747E-03	661755.2	4271835.9	75.4	5.00	4.00
4.65	NO							
L0163118		0	0.12747E-03	661755.5	4271827.3	75.1	5.00	4.00
4.65	NO							
L0163119		0	0.12747E-03	661755.9	4271818.7	74.7	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					

L0163120		0	0.12747E-03	661756.2	4271810.1	74.4	5.00	4.00
4.65	NO							
L0163121		0	0.12747E-03	661756.6	4271801.5	74.1	5.00	4.00
4.65	NO							
L0163122		0	0.12747E-03	661757.0	4271792.9	73.7	5.00	4.00

4.65	NO							
L0163123		0	0.12747E-03	661757.3	4271784.4	73.3	5.00	4.00
4.65	NO							
L0163124		0	0.12747E-03	661757.7	4271775.8	72.9	5.00	4.00
4.65	NO							
L0163125		0	0.12747E-03	661758.0	4271767.2	72.5	5.00	4.00
4.65	NO							
L0163126		0	0.12747E-03	661758.4	4271758.6	72.1	5.00	4.00
4.65	NO							
L0163127		0	0.12747E-03	661758.8	4271750.0	71.7	5.00	4.00
4.65	NO							
L0163128		0	0.12747E-03	661759.1	4271741.4	71.3	5.00	4.00
4.65	NO							
L0163129		0	0.12747E-03	661759.5	4271732.8	70.8	5.00	4.00
4.65	NO							
L0163130		0	0.12747E-03	661759.9	4271724.2	70.6	5.00	4.00
4.65	NO							
L0163131		0	0.12747E-03	661760.2	4271715.6	70.6	5.00	4.00
4.65	NO							
L0163132		0	0.12747E-03	661760.6	4271707.0	70.6	5.00	4.00
4.65	NO							
L0163133		0	0.12747E-03	661760.9	4271698.4	70.7	5.00	4.00
4.65	NO							
L0163134		0	0.12747E-03	661761.3	4271689.8	70.8	5.00	4.00
4.65	NO							
L0163135		0	0.12747E-03	661761.7	4271681.2	71.0	5.00	4.00
4.65	NO							
L0163136		0	0.12747E-03	661762.0	4271672.7	71.1	5.00	4.00
4.65	NO							
L0163137		0	0.12747E-03	661762.4	4271664.1	71.3	5.00	4.00
4.65	NO							
L0163138		0	0.12747E-03	661762.7	4271655.5	71.5	5.00	4.00
4.65	NO							
L0163139		0	0.12747E-03	661763.1	4271646.9	71.7	5.00	4.00
4.65	NO							
L0163140		0	0.12747E-03	661763.5	4271638.3	72.0	5.00	4.00
4.65	NO							
L0163141		0	0.12747E-03	661763.8	4271629.7	72.2	5.00	4.00
4.65	NO							
L0163142		0	0.12747E-03	661764.2	4271621.1	72.4	5.00	4.00
4.65	NO							
L0163143		0	0.12747E-03	661764.5	4271612.5	72.7	5.00	4.00
4.65	NO							
L0163144		0	0.12747E-03	661764.9	4271603.9	72.9	5.00	4.00
4.65	NO							
L0163145		0	0.12747E-03	661765.3	4271595.3	73.1	5.00	4.00
4.65	NO							
L0163146		0	0.12747E-03	661765.6	4271586.7	73.2	5.00	4.00
4.65	NO							
L0163147		0	0.12747E-03	661766.0	4271578.1	73.4	5.00	4.00

4.65	NO							
L0163148		0	0.12747E-03	661770.4	4271573.8	74.2	5.00	4.00
4.65	NO							
L0163149		0	0.12747E-03	661779.0	4271573.8	75.7	5.00	4.00
4.65	NO							
L0163150		0	0.12747E-03	661787.6	4271573.8	77.1	5.00	4.00
4.65	NO							
L0163151		0	0.12747E-03	661796.2	4271573.8	78.9	5.00	4.00
4.65	NO							
L0163152		0	0.12747E-03	661804.8	4271573.8	80.7	5.00	4.00
4.65	NO							
L0163153		0	0.12747E-03	661813.4	4271573.8	82.6	5.00	4.00
4.65	NO							
L0163154		0	0.12747E-03	661822.0	4271573.8	83.5	5.00	4.00
4.65	NO							
L0163155		0	0.12747E-03	661830.6	4271573.8	84.4	5.00	4.00
4.65	NO							
L0163156		0	0.12747E-03	661839.2	4271573.8	85.1	5.00	4.00
4.65	NO							
L0163157		0	0.12747E-03	661847.8	4271573.8	84.7	5.00	4.00
4.65	NO							
L0163158		0	0.12747E-03	661856.4	4271573.8	84.4	5.00	4.00
4.65	NO							
L0163159		0	0.12747E-03	661865.0	4271573.8	83.8	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0163160		0	0.12747E-03	661873.6	4271573.8	82.7	5.00	4.00
4.65	NO							
L0163161		0	0.12747E-03	661882.2	4271573.8	81.6	5.00	4.00
4.65	NO							
L0163162		0	0.12747E-03	661890.8	4271573.8	80.3	5.00	4.00

4.65	NO							
L0163163		0	0.12747E-03	661899.4	4271573.8	78.9	5.00	4.00
4.65	NO							
L0163164		0	0.12747E-03	661908.0	4271573.8	77.4	5.00	4.00
4.65	NO							
L0163165		0	0.12747E-03	661916.6	4271573.8	76.1	5.00	4.00
4.65	NO							
L0163166		0	0.12747E-03	661925.2	4271573.8	74.8	5.00	4.00
4.65	NO							
L0163167		0	0.12747E-03	661933.8	4271573.8	73.5	5.00	4.00
4.65	NO							
L0163168		0	0.12747E-03	661942.4	4271573.8	72.6	5.00	4.00
4.65	NO							
L0163169		0	0.12747E-03	661951.0	4271573.8	71.6	5.00	4.00
4.65	NO							
L0163170		0	0.12747E-03	661959.6	4271573.8	70.7	5.00	4.00
4.65	NO							
L0163171		0	0.12747E-03	661968.2	4271573.8	70.0	5.00	4.00
4.65	NO							
L0163172		0	0.12747E-03	661976.8	4271573.8	69.2	5.00	4.00
4.65	NO							
L0163173		0	0.12747E-03	661985.4	4271573.8	68.6	5.00	4.00
4.65	NO							
L0163174		0	0.12747E-03	661994.0	4271573.8	68.1	5.00	4.00
4.65	NO							
L0163175		0	0.12747E-03	662002.6	4271573.8	67.6	5.00	4.00
4.65	NO							
L0163176		0	0.12747E-03	662011.2	4271573.8	67.4	5.00	4.00
4.65	NO							
L0163177		0	0.12747E-03	662019.8	4271573.8	67.4	5.00	4.00
4.65	NO							
L0163178		0	0.12747E-03	662028.4	4271573.8	67.5	5.00	4.00
4.65	NO							
L0163179		0	0.12747E-03	662037.0	4271573.8	67.5	5.00	4.00
4.65	NO							
L0163180		0	0.12747E-03	662045.6	4271573.8	67.4	5.00	4.00
4.65	NO							
L0163181		0	0.12747E-03	662054.2	4271573.8	67.4	5.00	4.00
4.65	NO							
L0163182		0	0.12747E-03	662062.8	4271573.8	67.3	5.00	4.00
4.65	NO							
L0163183		0	0.12747E-03	662071.4	4271573.8	67.2	5.00	4.00
4.65	NO							
L0163184		0	0.12747E-03	662080.0	4271573.8	67.1	5.00	4.00
4.65	NO							
L0163185		0	0.12747E-03	662088.6	4271573.8	67.0	5.00	4.00
4.65	NO							
L0163186		0	0.12747E-03	662097.2	4271573.8	66.9	5.00	4.00
4.65	NO							
L0163187		0	0.12747E-03	662105.8	4271573.8	66.7	5.00	4.00

4.65	NO							
L0163188		0	0.12747E-03	662114.4	4271573.8	66.4	5.00	4.00
4.65	NO							
L0163189		0	0.12747E-03	662123.0	4271573.8	66.1	5.00	4.00
4.65	NO							
L0163190		0	0.12747E-03	662131.6	4271573.8	65.8	5.00	4.00
4.65	NO							
L0163191		0	0.12747E-03	662140.2	4271573.8	65.4	5.00	4.00
4.65	NO							
L0163192		0	0.12747E-03	662148.8	4271573.8	65.0	5.00	4.00
4.65	NO							
L0163193		0	0.12747E-03	662157.4	4271573.8	64.7	5.00	4.00
4.65	NO							
L0163194		0	0.12747E-03	662166.0	4271573.8	64.3	5.00	4.00
4.65	NO							
L0163195		0	0.12747E-03	662174.6	4271573.8	63.9	5.00	4.00
4.65	NO							
L0163196		0	0.12747E-03	662181.4	4271572.0	63.6	5.00	4.00
4.65	NO							
L0163197		0	0.12747E-03	662181.6	4271563.4	63.4	5.00	4.00
4.65	NO							
L0163198		0	0.12747E-03	662181.7	4271554.8	63.3	5.00	4.00
4.65	NO							
L0163199		0	0.12747E-03	662181.8	4271546.2	63.0	5.00	4.00

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\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0163200		0	0.12747E-03	662182.0	4271537.6	62.8	5.00	4.00
4.65	NO							
L0163201		0	0.12747E-03	662182.1	4271529.0	62.5	5.00	4.00
4.65	NO							
L0163202		0	0.12747E-03	662182.3	4271520.4	62.3	5.00	4.00



4.65	NO							
L0163203		0	0.12747E-03	662182.4	4271511.8	62.0	5.00	4.00
4.65	NO							
L0163204		0	0.12747E-03	662182.5	4271503.2	61.8	5.00	4.00
4.65	NO							
L0163205		0	0.12747E-03	662182.7	4271494.6	61.5	5.00	4.00
4.65	NO							
L0163206		0	0.12747E-03	662182.8	4271486.0	61.4	5.00	4.00
4.65	NO							
L0163207		0	0.12747E-03	662183.0	4271477.4	61.3	5.00	4.00
4.65	NO							
L0163208		0	0.12747E-03	662183.1	4271468.8	61.2	5.00	4.00
4.65	NO							
L0163209		0	0.12747E-03	662183.2	4271460.2	61.2	5.00	4.00
4.65	NO							
L0163210		0	0.12747E-03	662183.4	4271451.6	61.4	5.00	4.00
4.65	NO							
L0163211		0	0.12747E-03	662183.5	4271443.0	61.7	5.00	4.00
4.65	NO							
L0163212		0	0.12747E-03	662183.7	4271434.4	61.9	5.00	4.00
4.65	NO							
L0163213		0	0.12747E-03	662183.8	4271425.8	62.3	5.00	4.00
4.65	NO							
L0163214		0	0.12747E-03	662183.9	4271417.2	62.9	5.00	4.00
4.65	NO							
L0163215		0	0.12747E-03	662184.1	4271408.6	63.5	5.00	4.00
4.65	NO							
L0163216		0	0.12747E-03	662184.2	4271400.0	64.2	5.00	4.00
4.65	NO							
L0163217		0	0.12747E-03	662184.4	4271391.4	65.0	5.00	4.00
4.65	NO							
L0163218		0	0.12747E-03	662184.5	4271382.8	65.8	5.00	4.00
4.65	NO							
L0163219		0	0.12747E-03	662184.6	4271374.2	66.7	5.00	4.00
4.65	NO							
L0163220		0	0.12747E-03	662184.8	4271365.6	67.5	5.00	4.00
4.65	NO							
L0163221		0	0.12747E-03	662184.9	4271357.0	67.6	5.00	4.00
4.65	NO							
L0163222		0	0.12747E-03	662185.1	4271348.4	67.8	5.00	4.00
4.65	NO							
L0163223		0	0.12747E-03	662185.2	4271339.8	68.0	5.00	4.00
4.65	NO							
L0163224		0	0.12747E-03	662185.4	4271331.2	67.9	5.00	4.00
4.65	NO							
L0163225		0	0.12747E-03	662185.5	4271322.6	67.6	5.00	4.00
4.65	NO							
L0163226		0	0.12747E-03	662185.6	4271314.0	67.4	5.00	4.00
4.65	NO							
L0163227		0	0.12747E-03	662185.8	4271305.4	67.1	5.00	4.00

4.65	NO							
L0163228		0	0.12747E-03	662185.9	4271296.8	66.4	5.00	4.00
4.65	NO							
L0163229		0	0.12747E-03	662186.1	4271288.2	65.7	5.00	4.00
4.65	NO							
L0163230		0	0.12747E-03	662186.2	4271279.6	65.0	5.00	4.00
4.65	NO							
L0163231		0	0.12747E-03	662186.3	4271271.0	64.3	5.00	4.00
4.65	NO							
L0163232		0	0.12747E-03	662186.5	4271262.4	63.6	5.00	4.00
4.65	NO							
L0163233		0	0.12747E-03	662186.6	4271253.8	62.9	5.00	4.00
4.65	NO							
L0163234		0	0.12747E-03	662186.8	4271245.2	62.2	5.00	4.00
4.65	NO							
L0163235		0	0.12747E-03	662186.9	4271236.6	61.6	5.00	4.00
4.65	NO							
L0163236		0	0.12747E-03	662187.0	4271228.0	61.0	5.00	4.00
4.65	NO							
L0163237		0	0.12747E-03	662187.2	4271219.4	60.4	5.00	4.00
4.65	NO							
L0163238		0	0.12747E-03	662187.3	4271210.8	59.8	5.00	4.00
4.65	NO							
L0163239		0	0.12747E-03	662187.5	4271202.2	59.4	5.00	4.00

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\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0163240		0	0.12747E-03	662187.6	4271193.6	59.0	5.00	4.00
4.65	NO							
L0163241		0	0.12747E-03	662187.7	4271185.0	58.5	5.00	4.00
4.65	NO							
L0163242		0	0.12747E-03	662187.9	4271176.4	58.4	5.00	4.00

4.65	NO							
L0163243		0	0.12747E-03	662188.0	4271167.8	58.4	5.00	4.00
4.65	NO							
L0163244		0	0.12747E-03	662188.2	4271159.2	58.5	5.00	4.00
4.65	NO							
L0163245		0	0.12747E-03	662188.3	4271150.6	58.5	5.00	4.00
4.65	NO							
L0163246		0	0.12747E-03	662188.4	4271142.0	58.7	5.00	4.00
4.65	NO							
L0163247		0	0.12747E-03	662188.6	4271133.4	58.9	5.00	4.00
4.65	NO							
L0163248		0	0.12747E-03	662188.7	4271124.8	59.2	5.00	4.00
4.65	NO							
L0163249		0	0.12747E-03	662188.9	4271116.2	59.6	5.00	4.00
4.65	NO							
L0163250		0	0.12747E-03	662189.0	4271107.6	60.3	5.00	4.00
4.65	NO							
L0163251		0	0.12747E-03	662189.1	4271099.0	60.9	5.00	4.00
4.65	NO							
L0163252		0	0.12747E-03	662189.3	4271090.4	61.6	5.00	4.00
4.65	NO							
L0163253		0	0.12747E-03	662189.4	4271081.8	62.1	5.00	4.00
4.65	NO							
L0163254		0	0.12747E-03	662189.6	4271073.2	62.6	5.00	4.00
4.65	NO							
L0163255		0	0.12747E-03	662189.7	4271064.6	63.1	5.00	4.00
4.65	NO							
L0163256		0	0.12747E-03	662189.8	4271056.0	63.4	5.00	4.00
4.65	NO							
L0163257		0	0.12747E-03	662190.0	4271047.4	63.2	5.00	4.00
4.65	NO							
L0163258		0	0.12747E-03	662190.1	4271038.8	63.0	5.00	4.00
4.65	NO							
L0163259		0	0.12747E-03	662190.3	4271030.2	62.8	5.00	4.00
4.65	NO							
L0163260		0	0.12747E-03	662190.4	4271021.6	62.3	5.00	4.00
4.65	NO							
L0163261		0	0.12747E-03	662190.5	4271013.0	61.7	5.00	4.00
4.65	NO							
L0163262		0	0.12747E-03	662190.7	4271004.4	61.0	5.00	4.00
4.65	NO							
L0163263		0	0.12747E-03	662190.8	4270995.8	60.4	5.00	4.00
4.65	NO							
L0163264		0	0.12747E-03	662191.0	4270987.2	60.0	5.00	4.00
4.65	NO							
L0163265		0	0.12747E-03	662191.1	4270978.6	59.5	5.00	4.00
4.65	NO							
L0163266		0	0.12747E-03	662191.2	4270970.0	59.0	5.00	4.00
4.65	NO							
L0163267		0	0.12747E-03	662191.4	4270961.4	58.6	5.00	4.00

4.65	NO							
L0163268		0	0.12747E-03	662191.5	4270952.8	58.3	5.00	4.00
4.65	NO							
L0163269		0	0.12747E-03	662191.7	4270944.2	58.0	5.00	4.00
4.65	NO							
L0163270		0	0.12747E-03	662191.8	4270935.6	57.6	5.00	4.00
4.65	NO							
L0163271		0	0.12747E-03	662191.9	4270927.0	57.5	5.00	4.00
4.65	NO							
L0163272		0	0.12747E-03	662192.1	4270918.4	57.4	5.00	4.00
4.65	NO							
L0163273		0	0.12747E-03	662192.2	4270909.8	57.2	5.00	4.00
4.65	NO							
L0163274		0	0.12747E-03	662192.4	4270901.2	57.1	5.00	4.00
4.65	NO							
L0163275		0	0.12747E-03	662192.5	4270892.6	57.0	5.00	4.00
4.65	NO							
L0163276		0	0.12747E-03	662192.7	4270884.0	56.9	5.00	4.00
4.65	NO							
L0163277		0	0.12747E-03	662192.8	4270875.5	56.8	5.00	4.00
4.65	NO							
L0163278		0	0.12747E-03	662192.9	4270866.9	56.7	5.00	4.00
4.65	NO							
L0163279		0	0.12747E-03	662193.1	4270858.3	56.5	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								
L0163280		0	0.12747E-03	662193.2	4270849.7	56.4	5.00	4.00
4.65	NO							
L0163281		0	0.12747E-03	662193.4	4270841.1	56.3	5.00	4.00
4.65	NO							
L0163282		0	0.12747E-03	662193.5	4270832.5	56.3	5.00	4.00

4.65	NO							
L0163283		0	0.12747E-03	662193.6	4270823.9	56.3	5.00	4.00
4.65	NO							
L0163284		0	0.12747E-03	662193.8	4270815.3	56.3	5.00	4.00
4.65	NO							
L0163285		0	0.12747E-03	662193.9	4270806.7	56.3	5.00	4.00
4.65	NO							
L0163286		0	0.12747E-03	662194.1	4270798.1	56.3	5.00	4.00
4.65	NO							
L0163287		0	0.12747E-03	662194.2	4270789.5	56.2	5.00	4.00
4.65	NO							
L0163288		0	0.12747E-03	662194.3	4270780.9	56.2	5.00	4.00
4.65	NO							
L0163289		0	0.12747E-03	662194.5	4270772.3	56.2	5.00	4.00
4.65	NO							
L0163290		0	0.12747E-03	662194.6	4270763.7	56.2	5.00	4.00
4.65	NO							
L0163291		0	0.12747E-03	662194.8	4270755.1	56.2	5.00	4.00
4.65	NO							
L0163292		0	0.12747E-03	662194.9	4270746.5	56.2	5.00	4.00
4.65	NO							
L0163293		0	0.12747E-03	662195.0	4270737.9	56.2	5.00	4.00
4.65	NO							
L0163294		0	0.12747E-03	662195.2	4270729.3	56.2	5.00	4.00
4.65	NO							
L0163295		0	0.12747E-03	662195.3	4270720.7	56.2	5.00	4.00
4.65	NO							
L0163296		0	0.12747E-03	662195.5	4270712.1	56.2	5.00	4.00
4.65	NO							
L0163297		0	0.12747E-03	662195.6	4270703.5	56.3	5.00	4.00
4.65	NO							
L0163298		0	0.12747E-03	662195.7	4270694.9	56.3	5.00	4.00
4.65	NO							
L0163299		0	0.12747E-03	662195.9	4270686.3	56.3	5.00	4.00
4.65	NO							
L0163300		0	0.12747E-03	662196.0	4270677.7	56.4	5.00	4.00
4.65	NO							
L0163301		0	0.12747E-03	662196.2	4270669.1	56.4	5.00	4.00
4.65	NO							
L0163302		0	0.12747E-03	662196.3	4270660.5	56.5	5.00	4.00
4.65	NO							
L0163303		0	0.12747E-03	662196.4	4270651.9	56.5	5.00	4.00
4.65	NO							
L0163304		0	0.12747E-03	662196.6	4270643.3	56.5	5.00	4.00
4.65	NO							
L0163305		0	0.12747E-03	662196.7	4270634.7	56.5	5.00	4.00
4.65	NO							
L0163306		0	0.12747E-03	662196.9	4270626.1	56.5	5.00	4.00
4.65	NO							
L0163307		0	0.12747E-03	662197.0	4270617.5	56.5	5.00	4.00

4.65	NO							
L0163308		0	0.12747E-03	662197.1	4270608.9	56.5	5.00	4.00
4.65	NO							
L0163309		0	0.12747E-03	662197.3	4270600.3	56.5	5.00	4.00
4.65	NO							
L0163310		0	0.12747E-03	662197.4	4270591.7	56.5	5.00	4.00
4.65	NO							
L0163311		0	0.12747E-03	662197.6	4270583.1	56.4	5.00	4.00
4.65	NO							
L0163312		0	0.12747E-03	662197.7	4270574.5	56.4	5.00	4.00
4.65	NO							
L0163313		0	0.12747E-03	662197.8	4270565.9	56.4	5.00	4.00
4.65	NO							
L0163314		0	0.12747E-03	662198.0	4270557.3	56.3	5.00	4.00
4.65	NO							
L0163315		0	0.12747E-03	662198.1	4270548.7	56.3	5.00	4.00
4.65	NO							
L0163316		0	0.12747E-03	662198.3	4270540.1	56.2	5.00	4.00
4.65	NO							
L0163317		0	0.12747E-03	662198.4	4270531.5	56.2	5.00	4.00
4.65	NO							
L0163318		0	0.12747E-03	662198.5	4270522.9	56.2	5.00	4.00
4.65	NO							
L0163319		0	0.12747E-03	662198.7	4270514.3	56.3	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0163320		0	0.12747E-03	662198.8	4270505.7	56.3	5.00	4.00
4.65	NO							
L0163321		0	0.12747E-03	662199.0	4270497.1	56.4	5.00	4.00
4.65	NO							
L0163322		0	0.12747E-03	662199.1	4270488.5	56.5	5.00	4.00

4.65	NO							
L0163323		0	0.12747E-03	662199.2	4270479.9	56.7	5.00	4.00
4.65	NO							
L0163324		0	0.12747E-03	662199.4	4270471.3	56.8	5.00	4.00
4.65	NO							
L0163325		0	0.12747E-03	662199.5	4270462.7	57.0	5.00	4.00
4.65	NO							
L0163326		0	0.12747E-03	662199.7	4270454.1	57.1	5.00	4.00
4.65	NO							
L0163327		0	0.12747E-03	662199.8	4270445.5	57.3	5.00	4.00
4.65	NO							
L0163328		0	0.12747E-03	662200.0	4270436.9	57.6	5.00	4.00
4.65	NO							
L0163329		0	0.12747E-03	662200.1	4270428.3	57.9	5.00	4.00
4.65	NO							
L0163330		0	0.12747E-03	662200.2	4270419.7	58.2	5.00	4.00
4.65	NO							
L0163331		0	0.12747E-03	662200.4	4270411.1	58.6	5.00	4.00
4.65	NO							
L0163332		0	0.12747E-03	662200.5	4270402.5	59.0	5.00	4.00
4.65	NO							
L0163333		0	0.12747E-03	662200.7	4270393.9	59.4	5.00	4.00
4.65	NO							
L0163334		0	0.12747E-03	662200.8	4270385.3	59.8	5.00	4.00
4.65	NO							
L0163335		0	0.12747E-03	662200.9	4270376.7	59.9	5.00	4.00
4.65	NO							
L0163336		0	0.12747E-03	662201.1	4270368.1	59.8	5.00	4.00
4.65	NO							
L0163337		0	0.12747E-03	662201.2	4270359.5	59.8	5.00	4.00
4.65	NO							
L0163338		0	0.12747E-03	662201.4	4270350.9	59.7	5.00	4.00
4.65	NO							
L0163339		0	0.12747E-03	662201.5	4270342.3	59.3	5.00	4.00
4.65	NO							
L0163340		0	0.12747E-03	662201.6	4270333.7	58.9	5.00	4.00
4.65	NO							
L0163341		0	0.12747E-03	662201.8	4270325.1	58.4	5.00	4.00
4.65	NO							
L0163342		0	0.12747E-03	662201.9	4270316.5	58.1	5.00	4.00
4.65	NO							
L0163343		0	0.12747E-03	662202.1	4270307.9	57.9	5.00	4.00
4.65	NO							
L0163344		0	0.12747E-03	662202.2	4270299.3	57.8	5.00	4.00
4.65	NO							
L0163345		0	0.12747E-03	662202.3	4270290.7	57.6	5.00	4.00
4.65	NO							
L0163346		0	0.12747E-03	662202.5	4270282.1	57.7	5.00	4.00
4.65	NO							
L0163347		0	0.12747E-03	662202.6	4270273.5	58.0	5.00	4.00

4.65	NO							
L0163348		0	0.12747E-03	662202.8	4270264.9	58.2	5.00	4.00
4.65	NO							
L0163349		0	0.12747E-03	662202.9	4270256.3	58.5	5.00	4.00
4.65	NO							
L0163350		0	0.12747E-03	662203.0	4270247.7	59.0	5.00	4.00
4.65	NO							
L0163351		0	0.12747E-03	662203.2	4270239.1	59.5	5.00	4.00
4.65	NO							
L0163352		0	0.12747E-03	662203.3	4270230.5	60.0	5.00	4.00
4.65	NO							
L0163353		0	0.12747E-03	662203.5	4270221.9	60.5	5.00	4.00
4.65	NO							
L0163354		0	0.12747E-03	662203.6	4270213.3	60.8	5.00	4.00
4.65	NO							
L0163355		0	0.12747E-03	662203.7	4270204.7	61.2	5.00	4.00
4.65	NO							
L0163356		0	0.12747E-03	662203.9	4270196.1	61.6	5.00	4.00
4.65	NO							
L0163357		0	0.12747E-03	662204.0	4270187.5	61.3	5.00	4.00
4.65	NO							
L0163358		0	0.12747E-03	662204.2	4270178.9	60.9	5.00	4.00
4.65	NO							
L0163359		0	0.12747E-03	662204.3	4270170.3	60.5	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0163360		0	0.12747E-03	662204.4	4270161.7	60.1	5.00	4.00
4.65	NO							
L0163361		0	0.12747E-03	662204.6	4270153.1	59.7	5.00	4.00
4.65	NO							
L0163362		0	0.12747E-03	662204.7	4270144.5	59.3	5.00	4.00



4.65	NO							
L0163363		0	0.12747E-03	662204.9	4270135.9	58.9	5.00	4.00
4.65	NO							
L0163364		0	0.12747E-03	662205.0	4270127.3	58.8	5.00	4.00
4.65	NO							
L0163365		0	0.12747E-03	662205.1	4270118.8	58.7	5.00	4.00
4.65	NO							
L0163366		0	0.12747E-03	662205.3	4270110.2	58.7	5.00	4.00
4.65	NO							
L0163367		0	0.12747E-03	662205.4	4270101.6	58.7	5.00	4.00
4.65	NO							
L0163368		0	0.12747E-03	662205.6	4270093.0	59.0	5.00	4.00
4.65	NO							
L0163369		0	0.12747E-03	662205.7	4270084.4	59.4	5.00	4.00
4.65	NO							
L0163370		0	0.12747E-03	662205.8	4270075.8	59.7	5.00	4.00
4.65	NO							
L0163371		0	0.12747E-03	662206.0	4270067.2	60.1	5.00	4.00
4.65	NO							
L0163372		0	0.12747E-03	662206.1	4270058.6	60.5	5.00	4.00
4.65	NO							
L0163373		0	0.12747E-03	662206.3	4270050.0	60.9	5.00	4.00
4.65	NO							
L0163374		0	0.12747E-03	662206.4	4270041.4	61.3	5.00	4.00
4.65	NO							
L0163375		0	0.12747E-03	662206.5	4270032.8	61.8	5.00	4.00
4.65	NO							
L0163376		0	0.12747E-03	662206.7	4270024.2	62.3	5.00	4.00
4.65	NO							
L0163377		0	0.12747E-03	662206.8	4270015.6	62.8	5.00	4.00
4.65	NO							
L0163378		0	0.12747E-03	662207.0	4270007.0	63.3	5.00	4.00
4.65	NO							
L0163379		0	0.12747E-03	662207.1	4269998.4	64.0	5.00	4.00
4.65	NO							
L0163380		0	0.12747E-03	662207.3	4269989.8	64.7	5.00	4.00
4.65	NO							
L0163381		0	0.12747E-03	662207.4	4269981.2	65.3	5.00	4.00
4.65	NO							
L0163382		0	0.12747E-03	662207.5	4269972.6	66.2	5.00	4.00
4.65	NO							
L0163383		0	0.12747E-03	662207.7	4269964.0	67.1	5.00	4.00
4.65	NO							
L0163384		0	0.12747E-03	662211.4	4269959.1	67.6	5.00	4.00
4.65	NO							
L0163385		0	0.12747E-03	662220.0	4269959.2	67.4	5.00	4.00
4.65	NO							
L0163386		0	0.12747E-03	662228.6	4269959.2	67.2	5.00	4.00
4.65	NO							
L0163387		0	0.12747E-03	662237.2	4269959.3	67.0	5.00	4.00

4.65	NO							
L0163388		0	0.12747E-03	662245.8	4269959.4	66.9	5.00	4.00
4.65	NO							
L0163389		0	0.12747E-03	662254.4	4269959.5	66.7	5.00	4.00
4.65	NO							
L0163390		0	0.12747E-03	662263.0	4269959.5	66.6	5.00	4.00
4.65	NO							
L0163391		0	0.12747E-03	662271.6	4269959.6	66.5	5.00	4.00
4.65	NO							
L0163392		0	0.12747E-03	662280.2	4269959.7	66.3	5.00	4.00
4.65	NO							
L0163393		0	0.12747E-03	662288.8	4269959.7	66.2	5.00	4.00
4.65	NO							
L0163394		0	0.12747E-03	662297.4	4269959.8	66.0	5.00	4.00
4.65	NO							
L0163395		0	0.12747E-03	662306.0	4269959.9	65.8	5.00	4.00
4.65	NO							
L0163396		0	0.12747E-03	662314.6	4269960.0	65.5	5.00	4.00
4.65	NO							
L0163397		0	0.12747E-03	662323.2	4269960.0	65.1	5.00	4.00
4.65	NO							
L0163398		0	0.12747E-03	662331.8	4269960.1	64.8	5.00	4.00
4.65	NO							
L0163399		0	0.12747E-03	662340.4	4269960.2	64.6	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					

L0163400		0	0.12747E-03	662349.0	4269960.3	64.5	5.00	4.00
4.65	NO							
L0163401		0	0.12747E-03	662357.6	4269960.3	64.4	5.00	4.00
4.65	NO							
L0163402		0	0.12747E-03	662366.2	4269960.4	64.6	5.00	4.00

4.65	NO							
L0163403		0	0.12747E-03	662374.8	4269960.5	64.7	5.00	4.00
4.65	NO							
L0163404		0	0.12747E-03	662383.4	4269960.6	64.8	5.00	4.00
4.65	NO							
L0163405		0	0.12747E-03	662392.0	4269960.6	64.7	5.00	4.00
4.65	NO							
L0163406		0	0.12747E-03	662400.6	4269960.7	64.7	5.00	4.00
4.65	NO							
L0163407		0	0.12747E-03	662409.2	4269960.8	64.3	5.00	4.00
4.65	NO							
L0163408		0	0.12747E-03	662417.8	4269960.9	63.8	5.00	4.00
4.65	NO							
L0163409		0	0.12747E-03	662426.4	4269960.9	63.4	5.00	4.00
4.65	NO							
L0163410		0	0.12747E-03	662435.0	4269961.0	62.8	5.00	4.00
4.65	NO							
L0163411		0	0.12747E-03	662443.6	4269961.1	62.1	5.00	4.00
4.65	NO							
L0163412		0	0.12747E-03	662452.2	4269961.2	61.5	5.00	4.00
4.65	NO							
L0163413		0	0.12747E-03	662460.8	4269961.2	60.8	5.00	4.00
4.65	NO							
L0163414		0	0.12747E-03	662469.4	4269961.3	60.1	5.00	4.00
4.65	NO							
L0163415		0	0.12747E-03	662478.0	4269961.4	59.3	5.00	4.00
4.65	NO							
L0163416		0	0.12747E-03	662486.6	4269961.5	58.4	5.00	4.00
4.65	NO							
L0163417		0	0.12747E-03	662495.2	4269961.5	57.6	5.00	4.00
4.65	NO							
L0163418		0	0.12747E-03	662503.8	4269961.6	56.6	5.00	4.00
4.65	NO							
L0163419		0	0.12747E-03	662512.4	4269961.7	55.5	5.00	4.00
4.65	NO							
L0163420		0	0.12747E-03	662521.0	4269961.8	54.4	5.00	4.00
4.65	NO							
L0163421		0	0.12747E-03	662529.6	4269961.8	53.3	5.00	4.00
4.65	NO							
L0163422		0	0.12747E-03	662538.2	4269961.9	52.2	5.00	4.00
4.65	NO							
L0163423		0	0.12747E-03	662546.8	4269962.0	51.1	5.00	4.00
4.65	NO							
L0163424		0	0.12747E-03	662555.4	4269962.0	50.7	5.00	4.00
4.65	NO							
L0163425		0	0.12747E-03	662564.0	4269962.1	50.5	5.00	4.00
4.65	NO							
L0163426		0	0.12747E-03	662572.6	4269962.2	50.3	5.00	4.00
4.65	NO							
L0163427		0	0.12747E-03	662581.2	4269962.3	51.3	5.00	4.00

4.65	NO							
L0163428		0	0.12747E-03	662589.8	4269962.3	52.3	5.00	4.00
4.65	NO							
L0163429		0	0.12747E-03	662598.4	4269962.4	53.4	5.00	4.00
4.65	NO							
L0163430		0	0.12747E-03	662607.0	4269962.5	55.0	5.00	4.00
4.65	NO							
L0163431		0	0.12747E-03	662615.6	4269962.6	56.7	5.00	4.00
4.65	NO							
L0163432		0	0.12747E-03	662624.2	4269962.6	58.0	5.00	4.00
4.65	NO							
L0163433		0	0.12747E-03	662632.8	4269962.7	58.9	5.00	4.00
4.65	NO							
L0163434		0	0.12747E-03	662641.4	4269962.8	59.8	5.00	4.00
4.65	NO							
L0163435		0	0.12747E-03	662650.0	4269962.9	60.7	5.00	4.00
4.65	NO							
L0163436		0	0.12747E-03	662658.6	4269962.9	61.8	5.00	4.00
4.65	NO							
L0163437		0	0.12747E-03	662667.2	4269963.0	62.8	5.00	4.00
4.65	NO							
L0163438		0	0.12747E-03	662675.8	4269963.1	63.8	5.00	4.00
4.65	NO							
L0163439		0	0.12747E-03	662684.4	4269963.2	64.9	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
-----								
L0163440		0	0.12747E-03	662693.0	4269963.2	66.0	5.00	4.00
4.65	NO							
L0163441		0	0.12747E-03	662701.6	4269963.3	66.9	5.00	4.00
4.65	NO							
L0163442		0	0.12747E-03	662710.2	4269963.4	67.9	5.00	4.00

4.65	NO							
L0163443		0	0.12747E-03	662718.8	4269963.5	68.8	5.00	4.00
4.65	NO							
L0163444		0	0.12747E-03	662727.4	4269963.5	69.3	5.00	4.00
4.65	NO							
L0163445		0	0.12747E-03	662736.0	4269963.6	69.8	5.00	4.00
4.65	NO							
L0163446		0	0.12747E-03	662744.6	4269963.7	70.0	5.00	4.00
4.65	NO							
L0163447		0	0.12747E-03	662753.2	4269963.8	69.6	5.00	4.00
4.65	NO							
L0163448		0	0.12747E-03	662761.8	4269963.8	69.1	5.00	4.00
4.65	NO							
L0163449		0	0.12747E-03	662770.4	4269963.9	68.3	5.00	4.00
4.65	NO							
L0163450		0	0.12747E-03	662779.0	4269964.0	67.2	5.00	4.00
4.65	NO							
L0163451		0	0.12747E-03	662787.6	4269964.0	66.0	5.00	4.00
4.65	NO							
L0163452		0	0.12747E-03	662796.2	4269964.1	64.7	5.00	4.00
4.65	NO							
L0163453		0	0.12747E-03	662804.8	4269964.2	63.4	5.00	4.00
4.65	NO							
L0163454		0	0.12747E-03	662813.4	4269964.3	62.2	5.00	4.00
4.65	NO							
L0163455		0	0.12747E-03	662822.0	4269964.3	61.2	5.00	4.00
4.65	NO							
L0163456		0	0.12747E-03	662830.6	4269964.4	60.3	5.00	4.00
4.65	NO							
L0163457		0	0.12747E-03	662839.2	4269964.5	59.4	5.00	4.00
4.65	NO							
L0163458		0	0.12747E-03	662847.8	4269964.6	58.9	5.00	4.00
4.65	NO							
L0163459		0	0.12747E-03	662856.4	4269964.6	58.4	5.00	4.00
4.65	NO							
L0163460		0	0.12747E-03	662865.0	4269964.7	57.9	5.00	4.00
4.65	NO							
L0163461		0	0.12747E-03	662873.6	4269964.8	57.6	5.00	4.00
4.65	NO							
L0163462		0	0.12747E-03	662882.2	4269964.9	57.3	5.00	4.00
4.65	NO							
L0163463		0	0.12747E-03	662890.8	4269964.9	57.2	5.00	4.00
4.65	NO							
L0163464		0	0.12747E-03	662899.4	4269965.0	57.1	5.00	4.00
4.65	NO							
L0163465		0	0.12747E-03	662908.0	4269965.1	57.1	5.00	4.00
4.65	NO							
L0163466		0	0.12747E-03	662916.6	4269965.2	57.1	5.00	4.00
4.65	NO							
L0163467		0	0.12747E-03	662925.2	4269965.2	57.1	5.00	4.00

4.65	NO							
L0163468		0	0.12747E-03	662933.8	4269965.3	57.0	5.00	4.00
4.65	NO							
L0163469		0	0.12747E-03	662942.4	4269965.4	56.9	5.00	4.00
4.65	NO							
L0163470		0	0.12747E-03	662951.0	4269965.5	56.7	5.00	4.00
4.65	NO							
L0163471		0	0.12747E-03	662959.6	4269965.5	56.5	5.00	4.00
4.65	NO							
L0163472		0	0.12747E-03	662968.2	4269965.6	56.3	5.00	4.00
4.65	NO							
L0163473		0	0.12747E-03	662972.4	4269961.1	56.2	5.00	4.00
4.65	NO							
L0163474		0	0.12747E-03	662972.6	4269952.5	56.1	5.00	4.00
4.65	NO							
L0163475		0	0.12747E-03	662972.9	4269943.9	56.0	5.00	4.00
4.65	NO							
L0163476		0	0.12747E-03	662973.1	4269935.3	55.8	5.00	4.00
4.65	NO							
L0163477		0	0.12747E-03	662973.3	4269926.7	55.5	5.00	4.00
4.65	NO							
L0163478		0	0.12747E-03	662973.6	4269918.1	55.0	5.00	4.00
4.65	NO							
L0163479		0	0.12747E-03	662973.8	4269909.5	54.6	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0163480		0	0.12747E-03	662974.0	4269900.9	54.2	5.00	4.00
4.65	NO							
L0163481		0	0.12747E-03	662974.3	4269892.3	53.6	5.00	4.00
4.65	NO							
L0163482		0	0.12747E-03	662974.5	4269883.7	53.1	5.00	4.00

4.65	NO							
L0163483		0	0.12747E-03	662974.7	4269875.1	52.5	5.00	4.00
4.65	NO							
L0163484		0	0.12747E-03	662975.0	4269866.6	51.9	5.00	4.00
4.65	NO							
L0163485		0	0.12747E-03	662975.2	4269858.0	51.3	5.00	4.00
4.65	NO							
L0163486		0	0.12747E-03	662975.4	4269849.4	50.6	5.00	4.00
4.65	NO							
L0163487		0	0.12747E-03	662975.7	4269840.8	50.0	5.00	4.00
4.65	NO							
L0163488		0	0.12747E-03	662975.9	4269832.2	49.6	5.00	4.00
4.65	NO							
L0163489		0	0.12747E-03	662976.2	4269823.6	49.3	5.00	4.00
4.65	NO							
L0163490		0	0.12747E-03	662976.4	4269815.0	49.0	5.00	4.00
4.65	NO							
L0163491		0	0.12747E-03	662976.6	4269806.4	48.9	5.00	4.00
4.65	NO							
L0163492		0	0.12747E-03	662976.9	4269797.8	49.1	5.00	4.00
4.65	NO							
L0163493		0	0.12747E-03	662977.1	4269789.2	49.3	5.00	4.00
4.65	NO							
L0163494		0	0.12747E-03	662977.3	4269780.6	49.4	5.00	4.00
4.65	NO							
L0163495		0	0.12747E-03	662977.6	4269772.0	50.5	5.00	4.00
4.65	NO							
L0163496		0	0.12747E-03	662977.8	4269763.4	51.7	5.00	4.00
4.65	NO							
L0163497		0	0.12747E-03	662978.0	4269754.8	52.8	5.00	4.00
4.65	NO							
L0163498		0	0.12747E-03	662978.3	4269746.2	54.1	5.00	4.00
4.65	NO							
L0163499		0	0.12747E-03	662978.5	4269737.6	55.5	5.00	4.00
4.65	NO							
L0163500		0	0.12747E-03	662978.7	4269729.0	57.0	5.00	4.00
4.65	NO							
L0163501		0	0.12747E-03	662979.0	4269720.4	58.4	5.00	4.00
4.65	NO							
L0163502		0	0.12747E-03	662979.2	4269711.8	59.9	5.00	4.00
4.65	NO							
L0163503		0	0.12747E-03	662979.4	4269703.2	61.4	5.00	4.00
4.65	NO							
L0163504		0	0.12747E-03	662979.7	4269694.6	63.0	5.00	4.00
4.65	NO							
L0163505		0	0.12747E-03	662979.9	4269686.0	64.5	5.00	4.00
4.65	NO							
L0163506		0	0.12747E-03	662980.1	4269677.4	66.0	5.00	4.00
4.65	NO							
L0163507		0	0.12747E-03	662980.4	4269668.8	67.5	5.00	4.00

4.65	NO							
L0163508		0	0.12747E-03	662980.6	4269660.2	69.0	5.00	4.00
4.65	NO							
L0163509		0	0.12747E-03	662980.8	4269651.6	70.0	5.00	4.00
4.65	NO							
L0163510		0	0.12747E-03	662981.1	4269643.0	70.6	5.00	4.00
4.65	NO							
L0163511		0	0.12747E-03	662981.3	4269634.4	71.1	5.00	4.00
4.65	NO							
L0163512		0	0.12747E-03	662981.5	4269625.8	71.7	5.00	4.00
4.65	NO							
L0163513		0	0.12747E-03	662981.8	4269617.2	71.2	5.00	4.00
4.65	NO							
L0163514		0	0.12747E-03	662982.0	4269608.6	70.5	5.00	4.00
4.65	NO							
L0163515		0	0.12747E-03	662982.2	4269600.1	69.9	5.00	4.00
4.65	NO							
L0163516		0	0.12747E-03	662982.5	4269591.5	69.3	5.00	4.00
4.65	NO							
L0163517		0	0.12747E-03	662982.7	4269582.9	69.0	5.00	4.00
4.65	NO							
L0163518		0	0.12747E-03	662983.0	4269574.3	68.6	5.00	4.00
4.65	NO							
L0163519		0	0.12747E-03	662983.2	4269565.7	68.2	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					

L0163520		0	0.12747E-03	662983.4	4269557.1	68.9	5.00	4.00
4.65	NO							
L0163521		0	0.12747E-03	662983.7	4269548.5	69.9	5.00	4.00
4.65	NO							
L0163522		0	0.12747E-03	662983.9	4269539.9	71.0	5.00	4.00



4.65	NO							
L0163523		0	0.12747E-03	662984.1	4269531.3	72.0	5.00	4.00
4.65	NO							
L0163524		0	0.12747E-03	662984.4	4269522.7	72.8	5.00	4.00
4.65	NO							
L0163525		0	0.12747E-03	662984.6	4269514.1	73.6	5.00	4.00
4.65	NO							
L0163526		0	0.12747E-03	662984.8	4269505.5	74.4	5.00	4.00
4.65	NO							
L0163527		0	0.12747E-03	662985.1	4269496.9	74.9	5.00	4.00
4.65	NO							
L0163528		0	0.12747E-03	662985.3	4269488.3	75.2	5.00	4.00
4.65	NO							
L0163529		0	0.12747E-03	662985.5	4269479.7	75.6	5.00	4.00
4.65	NO							
L0163530		0	0.12747E-03	662985.8	4269471.1	75.9	5.00	4.00
4.65	NO							
L0163531		0	0.12747E-03	662986.0	4269462.5	76.1	5.00	4.00
4.65	NO							
L0163532		0	0.12747E-03	662986.2	4269453.9	76.2	5.00	4.00
4.65	NO							
L0163533		0	0.12747E-03	662986.5	4269445.3	76.4	5.00	4.00
4.65	NO							
L0163534		0	0.12747E-03	662986.7	4269436.7	76.4	5.00	4.00
4.65	NO							
L0163535		0	0.12747E-03	662986.9	4269428.1	76.0	5.00	4.00
4.65	NO							
L0163536		0	0.12747E-03	662987.2	4269419.5	75.6	5.00	4.00
4.65	NO							
L0163537		0	0.12747E-03	662987.4	4269410.9	75.3	5.00	4.00
4.65	NO							
L0163538		0	0.12747E-03	662987.6	4269402.3	74.7	5.00	4.00
4.65	NO							
L0163539		0	0.12747E-03	662987.9	4269393.7	74.1	5.00	4.00
4.65	NO							
L0163540		0	0.12747E-03	662988.1	4269385.1	73.5	5.00	4.00
4.65	NO							
L0163541		0	0.12747E-03	662988.3	4269376.5	72.8	5.00	4.00
4.65	NO							
L0163542		0	0.12747E-03	662988.6	4269367.9	72.2	5.00	4.00
4.65	NO							
L0163543		0	0.12747E-03	662988.8	4269359.3	71.7	5.00	4.00
4.65	NO							
L0163544		0	0.12747E-03	662989.0	4269350.7	71.1	5.00	4.00
4.65	NO							
L0163545		0	0.12747E-03	662989.3	4269342.1	70.5	5.00	4.00
4.65	NO							
L0163546		0	0.12747E-03	662989.5	4269333.6	70.1	5.00	4.00
4.65	NO							
L0163547		0	0.12747E-03	662989.8	4269325.0	69.6	5.00	4.00

4.65	NO							
L0163548		0	0.12747E-03	662990.0	4269316.4	69.1	5.00	4.00
4.65	NO							
L0163549		0	0.12747E-03	662990.2	4269307.8	68.8	5.00	4.00
4.65	NO							
L0163550		0	0.12747E-03	662990.5	4269299.2	68.5	5.00	4.00
4.65	NO							
L0163551		0	0.12747E-03	662990.7	4269290.6	68.2	5.00	4.00
4.65	NO							
L0163552		0	0.12747E-03	662990.9	4269282.0	68.0	5.00	4.00
4.65	NO							
L0163553		0	0.12747E-03	662991.2	4269273.4	68.1	5.00	4.00
4.65	NO							
L0163554		0	0.12747E-03	662991.4	4269264.8	68.1	5.00	4.00
4.65	NO							
L0163555		0	0.12747E-03	662991.6	4269256.2	68.1	5.00	4.00
4.65	NO							
L0163556		0	0.12747E-03	662991.9	4269247.6	68.4	5.00	4.00
4.65	NO							
L0163557		0	0.12747E-03	662993.7	4269240.7	68.7	5.00	4.00
4.65	NO							
L0163558		0	0.12747E-03	663002.3	4269241.0	69.0	5.00	4.00
4.65	NO							
L0163559		0	0.12747E-03	663010.9	4269241.2	69.4	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0163560		0	0.12747E-03	663019.5	4269241.5	69.7	5.00	4.00
4.65	NO							
L0163561		0	0.12747E-03	663028.1	4269241.8	70.1	5.00	4.00
4.65	NO							
L0163562		0	0.12747E-03	663036.7	4269242.0	70.5	5.00	4.00

4.65	NO							
L0163563		0	0.12747E-03	663045.3	4269242.3	70.9	5.00	4.00
4.65	NO							
L0163564		0	0.12747E-03	663053.9	4269242.6	71.3	5.00	4.00
4.65	NO							
L0163565		0	0.12747E-03	663062.5	4269242.8	71.8	5.00	4.00
4.65	NO							
L0163566		0	0.12747E-03	663071.1	4269243.1	72.2	5.00	4.00
4.65	NO							
L0163567		0	0.12747E-03	663079.7	4269243.4	72.6	5.00	4.00
4.65	NO							
L0163568		0	0.12747E-03	663088.3	4269243.6	73.0	5.00	4.00
4.65	NO							
L0163569		0	0.12747E-03	663096.9	4269243.9	73.3	5.00	4.00
4.65	NO							
L0163570		0	0.12747E-03	663105.5	4269244.1	73.7	5.00	4.00
4.65	NO							
L0163571		0	0.12747E-03	663114.1	4269244.4	74.1	5.00	4.00
4.65	NO							
L0163572		0	0.12747E-03	663122.7	4269244.7	74.5	5.00	4.00
4.65	NO							
L0163573		0	0.12747E-03	663131.3	4269244.9	75.0	5.00	4.00
4.65	NO							
L0163574		0	0.12747E-03	663139.9	4269245.2	75.4	5.00	4.00
4.65	NO							
L0163575		0	0.12747E-03	663148.4	4269245.5	75.8	5.00	4.00
4.65	NO							
L0163576		0	0.12747E-03	663157.0	4269245.7	76.1	5.00	4.00
4.65	NO							
L0163577		0	0.12747E-03	663165.6	4269246.0	76.4	5.00	4.00
4.65	NO							
L0163578		0	0.12747E-03	663174.2	4269246.3	76.9	5.00	4.00
4.65	NO							
L0163579		0	0.12747E-03	663182.8	4269246.5	77.4	5.00	4.00
4.65	NO							
L0163580		0	0.12747E-03	663191.4	4269246.8	78.0	5.00	4.00
4.65	NO							
L0163581		0	0.12747E-03	663200.0	4269247.0	78.5	5.00	4.00
4.65	NO							
L0163582		0	0.12747E-03	663208.6	4269247.3	79.0	5.00	4.00
4.65	NO							
L0163583		0	0.12747E-03	663217.2	4269247.6	79.5	5.00	4.00
4.65	NO							
L0163584		0	0.12747E-03	663225.8	4269247.8	79.7	5.00	4.00
4.65	NO							
L0163585		0	0.12747E-03	663234.4	4269248.1	79.9	5.00	4.00
4.65	NO							
L0163586		0	0.12747E-03	663243.0	4269248.4	80.0	5.00	4.00
4.65	NO							
L0163587		0	0.12747E-03	663251.6	4269248.6	79.6	5.00	4.00

4.65	NO							
L0163588		0	0.12747E-03	663260.2	4269248.9	79.3	5.00	4.00
4.65	NO							
L0163589		0	0.12747E-03	663268.8	4269249.2	78.9	5.00	4.00
4.65	NO							
L0163590		0	0.12747E-03	663277.4	4269249.4	78.3	5.00	4.00
4.65	NO							
L0163591		0	0.12747E-03	663286.0	4269249.7	77.6	5.00	4.00
4.65	NO							
L0163592		0	0.12747E-03	663294.6	4269250.0	77.3	5.00	4.00
4.65	NO							
L0163593		0	0.12747E-03	663303.2	4269250.2	77.0	5.00	4.00
4.65	NO							
L0163594		0	0.12747E-03	663311.8	4269250.5	76.8	5.00	4.00
4.65	NO							
L0163595		0	0.12747E-03	663320.4	4269250.7	77.0	5.00	4.00
4.65	NO							
L0163596		0	0.12747E-03	663329.0	4269251.0	77.3	5.00	4.00
4.65	NO							
L0163597		0	0.12747E-03	663337.6	4269251.3	77.6	5.00	4.00
4.65	NO							
L0163598		0	0.12747E-03	663346.2	4269251.5	77.7	5.00	4.00
4.65	NO							
L0163599		0	0.12747E-03	663354.8	4269251.8	77.8	5.00	4.00

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 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0163600		0	0.12747E-03	663363.3	4269252.1	77.9	5.00	4.00
4.65	NO							
L0163601		0	0.12747E-03	663371.9	4269252.3	77.6	5.00	4.00
4.65	NO							
L0163602		0	0.12747E-03	663380.5	4269252.6	77.3	5.00	4.00

4.65	NO							
L0163603		0	0.12747E-03	663389.1	4269252.9	77.0	5.00	4.00
4.65	NO							
L0163604		0	0.12747E-03	663397.7	4269253.1	76.3	5.00	4.00
4.65	NO							
L0163605		0	0.12747E-03	663406.3	4269253.4	75.7	5.00	4.00
4.65	NO							
L0163606		0	0.12747E-03	663414.9	4269253.6	75.0	5.00	4.00
4.65	NO							
L0163607		0	0.12747E-03	663423.5	4269253.9	74.4	5.00	4.00
4.65	NO							
L0163608		0	0.12747E-03	663432.1	4269254.2	73.8	5.00	4.00
4.65	NO							
L0163609		0	0.12747E-03	663440.7	4269254.4	73.2	5.00	4.00
4.65	NO							
L0163610		0	0.12747E-03	663449.3	4269254.7	72.6	5.00	4.00
4.65	NO							
L0163611		0	0.12747E-03	663457.9	4269255.0	72.0	5.00	4.00
4.65	NO							
L0163612		0	0.12747E-03	663466.5	4269255.2	71.5	5.00	4.00
4.65	NO							
L0163613		0	0.12747E-03	663475.1	4269255.5	71.0	5.00	4.00
4.65	NO							
L0163614		0	0.12747E-03	663483.7	4269255.8	70.6	5.00	4.00
4.65	NO							
L0163615		0	0.12747E-03	663492.3	4269256.0	70.3	5.00	4.00
4.65	NO							
L0163616		0	0.12747E-03	663500.9	4269256.3	70.0	5.00	4.00
4.65	NO							
L0163617		0	0.12747E-03	663509.5	4269256.6	69.7	5.00	4.00
4.65	NO							
L0163618		0	0.12747E-03	663518.1	4269256.8	69.5	5.00	4.00
4.65	NO							
L0163619		0	0.12747E-03	663526.7	4269257.1	69.3	5.00	4.00
4.65	NO							
L0163620		0	0.12747E-03	663535.3	4269257.3	69.3	5.00	4.00
4.65	NO							
L0163621		0	0.12747E-03	663543.9	4269257.6	69.4	5.00	4.00
4.65	NO							
L0163622		0	0.12747E-03	663552.5	4269257.9	69.5	5.00	4.00
4.65	NO							
L0163623		0	0.12747E-03	663561.1	4269258.1	69.6	5.00	4.00
4.65	NO							
L0163624		0	0.12747E-03	663569.7	4269258.4	69.8	5.00	4.00
4.65	NO							
L0163625		0	0.12747E-03	663578.2	4269258.7	70.0	5.00	4.00
4.65	NO							
L0163626		0	0.12747E-03	663586.8	4269258.9	70.1	5.00	4.00
4.65	NO							
L0163627		0	0.12747E-03	663595.4	4269259.2	70.3	5.00	4.00

4.65	NO							
L0163628		0	0.12747E-03	663604.0	4269259.5	70.4	5.00	4.00
4.65	NO							
L0163629		0	0.12747E-03	663612.6	4269259.7	70.5	5.00	4.00
4.65	NO							
L0163630		0	0.12747E-03	663621.2	4269260.0	70.6	5.00	4.00
4.65	NO							
L0163631		0	0.12747E-03	663629.8	4269260.2	70.6	5.00	4.00
4.65	NO							
L0163632		0	0.12747E-03	663638.4	4269260.5	70.4	5.00	4.00
4.65	NO							
L0163633		0	0.12747E-03	663647.0	4269260.8	70.2	5.00	4.00
4.65	NO							
L0163634		0	0.12747E-03	663655.6	4269261.0	70.0	5.00	4.00
4.65	NO							
L0163635		0	0.12747E-03	663664.2	4269261.3	69.7	5.00	4.00
4.65	NO							
L0163636		0	0.12747E-03	663672.8	4269261.6	69.4	5.00	4.00
4.65	NO							
L0163637		0	0.12747E-03	663681.4	4269261.8	69.0	5.00	4.00
4.65	NO							
L0163638		0	0.12747E-03	663690.0	4269262.1	68.6	5.00	4.00
4.65	NO							
L0163639		0	0.12747E-03	663698.6	4269262.4	68.3	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					

L0163640		0	0.12747E-03	663707.2	4269262.6	68.0	5.00	4.00
4.65	NO							
L0163641		0	0.12747E-03	663715.8	4269262.9	67.9	5.00	4.00
4.65	NO							
L0163642		0	0.12747E-03	663724.4	4269263.2	67.7	5.00	4.00

4.65	NO							
L0163643		0	0.12747E-03	663733.0	4269263.4	67.5	5.00	4.00
4.65	NO							
L0163644		0	0.12747E-03	663741.6	4269263.7	67.4	5.00	4.00
4.65	NO							
L0163645		0	0.12747E-03	663750.2	4269263.9	67.2	5.00	4.00
4.65	NO							
L0163646		0	0.12747E-03	663758.8	4269264.2	66.7	5.00	4.00
4.65	NO							
L0163647		0	0.12747E-03	663767.4	4269264.5	66.3	5.00	4.00
4.65	NO							
L0163648		0	0.12747E-03	663776.0	4269264.7	65.8	5.00	4.00
4.65	NO							
L0163649		0	0.12747E-03	663784.5	4269265.0	65.3	5.00	4.00
4.65	NO							
L0163650		0	0.12747E-03	663793.1	4269265.3	64.8	5.00	4.00
4.65	NO							
L0163651		0	0.12747E-03	663801.7	4269265.5	64.4	5.00	4.00
4.65	NO							
L0163652		0	0.12747E-03	663810.3	4269265.8	63.9	5.00	4.00
4.65	NO							
L0163653		0	0.12747E-03	663818.9	4269266.1	63.5	5.00	4.00
4.65	NO							
L0163654		0	0.12747E-03	663827.5	4269266.3	63.1	5.00	4.00
4.65	NO							
L0163655		0	0.12747E-03	663836.1	4269266.6	62.8	5.00	4.00
4.65	NO							
L0163656		0	0.12747E-03	663844.7	4269266.9	62.4	5.00	4.00
4.65	NO							
L0163657		0	0.12747E-03	663853.3	4269267.1	62.1	5.00	4.00
4.65	NO							
L0163658		0	0.12747E-03	663861.9	4269267.4	61.9	5.00	4.00
4.65	NO							
L0163659		0	0.12747E-03	663870.5	4269267.6	61.6	5.00	4.00
4.65	NO							
L0163660		0	0.12747E-03	663879.1	4269267.9	61.3	5.00	4.00
4.65	NO							
L0163661		0	0.12747E-03	663887.7	4269268.2	60.9	5.00	4.00
4.65	NO							
L0163662		0	0.12747E-03	663896.3	4269268.4	60.6	5.00	4.00
4.65	NO							
L0163663		0	0.12747E-03	663904.9	4269268.7	60.5	5.00	4.00
4.65	NO							
L0163664		0	0.12747E-03	663913.5	4269269.0	60.4	5.00	4.00
4.65	NO							
L0163665		0	0.12747E-03	663922.1	4269269.2	60.2	5.00	4.00
4.65	NO							
L0163666		0	0.12747E-03	663930.7	4269269.5	59.9	5.00	4.00
4.65	NO							
L0163667		0	0.12747E-03	663939.3	4269269.8	59.7	5.00	4.00

4.65	NO							
L0163668		0	0.12747E-03	663947.9	4269270.0	59.3	5.00	4.00
4.65	NO							
L0163669		0	0.12747E-03	663956.5	4269270.3	58.9	5.00	4.00
4.65	NO							
L0163670		0	0.12747E-03	663965.1	4269270.5	58.4	5.00	4.00
4.65	NO							
L0163671		0	0.12747E-03	663973.7	4269270.8	58.0	5.00	4.00
4.65	NO							
L0163672		0	0.12747E-03	663982.3	4269271.1	57.7	5.00	4.00
4.65	NO							
L0163673		0	0.12747E-03	663990.9	4269271.3	57.3	5.00	4.00
4.65	NO							
L0163674		0	0.12747E-03	663999.4	4269271.6	56.9	5.00	4.00
4.65	NO							
L0163675		0	0.12747E-03	664008.0	4269271.9	56.4	5.00	4.00
4.65	NO							
L0163676		0	0.12747E-03	664016.6	4269272.1	56.1	5.00	4.00
4.65	NO							
L0163677		0	0.12747E-03	664025.2	4269272.4	56.0	5.00	4.00
4.65	NO							
L0163678		0	0.12747E-03	664033.8	4269272.7	56.0	5.00	4.00
4.65	NO							
L0163679		0	0.12747E-03	664042.4	4269272.9	56.0	5.00	4.00

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\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0163680		0	0.12747E-03	664051.0	4269273.2	56.3	5.00	4.00
4.65	NO							
L0163681		0	0.12747E-03	664059.6	4269273.5	56.5	5.00	4.00
4.65	NO							
L0163682		0	0.12747E-03	664068.2	4269273.7	56.8	5.00	4.00



4.65	NO							
L0163683		0	0.12747E-03	664076.8	4269274.0	57.2	5.00	4.00
4.65	NO							
L0163684		0	0.12747E-03	664085.4	4269274.2	57.6	5.00	4.00
4.65	NO							
L0163685		0	0.12747E-03	664094.0	4269274.5	58.1	5.00	4.00
4.65	NO							
L0163686		0	0.12747E-03	664102.6	4269274.8	58.6	5.00	4.00
4.65	NO							
L0163687		0	0.12747E-03	664111.2	4269275.0	59.1	5.00	4.00
4.65	NO							
L0163688		0	0.12747E-03	664119.8	4269275.3	59.8	5.00	4.00
4.65	NO							
L0163689		0	0.12747E-03	664128.4	4269275.6	60.5	5.00	4.00
4.65	NO							
L0163690		0	0.12747E-03	664137.0	4269275.8	61.2	5.00	4.00
4.65	NO							
L0163691		0	0.12747E-03	664145.6	4269276.1	61.5	5.00	4.00
4.65	NO							
L0163692		0	0.12747E-03	664154.2	4269276.4	61.9	5.00	4.00
4.65	NO							
L0163693		0	0.12747E-03	664162.8	4269276.6	62.2	5.00	4.00
4.65	NO							
L0163694		0	0.12747E-03	664171.4	4269276.9	62.5	5.00	4.00
4.65	NO							
L0163695		0	0.12747E-03	664180.0	4269277.1	62.7	5.00	4.00
4.65	NO							
L0163696		0	0.12747E-03	664188.6	4269277.4	63.1	5.00	4.00
4.65	NO							
L0163697		0	0.12747E-03	664197.2	4269277.7	63.7	5.00	4.00
4.65	NO							
L0163698		0	0.12747E-03	664205.8	4269277.9	64.2	5.00	4.00
4.65	NO							
L0163699		0	0.12747E-03	664214.3	4269278.2	64.7	5.00	4.00
4.65	NO							
L0163700		0	0.12747E-03	664222.9	4269278.5	65.1	5.00	4.00
4.65	NO							
L0163701		0	0.12747E-03	664231.5	4269278.7	65.5	5.00	4.00
4.65	NO							
L0163702		0	0.12747E-03	664240.1	4269279.0	65.3	5.00	4.00
4.65	NO							
L0163703		0	0.12747E-03	664248.7	4269279.3	65.0	5.00	4.00
4.65	NO							
L0163704		0	0.12747E-03	664257.3	4269279.5	64.6	5.00	4.00
4.65	NO							
L0163705		0	0.12747E-03	664265.9	4269279.8	63.4	5.00	4.00
4.65	NO							
L0163706		0	0.12747E-03	664274.5	4269280.1	62.2	5.00	4.00
4.65	NO							
L0163707		0	0.12747E-03	664283.1	4269280.3	61.0	5.00	4.00

4.65	NO							
L0163708		0	0.12747E-03	664291.7	4269280.6	59.9	5.00	4.00
4.65	NO							
L0163709		0	0.12747E-03	664300.3	4269280.8	58.9	5.00	4.00
4.65	NO							
L0163710		0	0.12747E-03	664308.9	4269281.1	58.0	5.00	4.00
4.65	NO							
L0163711		0	0.12747E-03	664317.5	4269281.4	57.5	5.00	4.00
4.65	NO							
L0163712		0	0.12747E-03	664326.1	4269281.6	56.9	5.00	4.00
4.65	NO							
L0163713		0	0.12747E-03	664334.7	4269281.9	56.7	5.00	4.00
4.65	NO							
L0163714		0	0.12747E-03	664343.3	4269282.2	56.6	5.00	4.00
4.65	NO							
L0163715		0	0.12747E-03	664351.9	4269282.4	56.5	5.00	4.00
4.65	NO							
L0163716		0	0.12747E-03	664360.5	4269282.7	56.7	5.00	4.00
4.65	NO							
L0163717		0	0.12747E-03	664369.1	4269283.0	57.0	5.00	4.00
4.65	NO							
L0163718		0	0.12747E-03	664377.7	4269283.2	57.2	5.00	4.00
4.65	NO							
L0163719		0	0.12747E-03	664386.3	4269283.5	57.8	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0163720		0	0.12747E-03	664394.9	4269283.7	58.4	5.00	4.00
4.65	NO							
L0163721		0	0.12747E-03	664403.5	4269284.0	59.0	5.00	4.00
4.65	NO							
L0163722		0	0.12747E-03	664412.1	4269284.3	59.7	5.00	4.00

4.65	NO							
L0163723		0	0.12747E-03	664420.6	4269284.5	60.3	5.00	4.00
4.65	NO							
L0163724		0	0.12747E-03	664429.2	4269284.8	61.0	5.00	4.00
4.65	NO							
L0163725		0	0.12747E-03	664437.8	4269285.1	61.7	5.00	4.00
4.65	NO							
L0163726		0	0.12747E-03	664446.4	4269285.3	62.3	5.00	4.00
4.65	NO							
L0163727		0	0.12747E-03	664455.0	4269285.6	63.0	5.00	4.00
4.65	NO							
L0163728		0	0.12747E-03	664463.6	4269285.9	63.7	5.00	4.00
4.65	NO							
L0163729		0	0.12747E-03	664472.2	4269286.1	64.4	5.00	4.00
4.65	NO							
L0163730		0	0.12747E-03	664480.8	4269286.4	65.1	5.00	4.00
4.65	NO							
L0163731		0	0.12747E-03	664489.4	4269286.7	65.7	5.00	4.00
4.65	NO							
L0163732		0	0.12747E-03	664498.0	4269286.9	66.3	5.00	4.00
4.65	NO							
L0163733		0	0.12747E-03	664506.6	4269287.2	66.7	5.00	4.00
4.65	NO							
L0163734		0	0.12747E-03	664515.2	4269287.4	67.1	5.00	4.00
4.65	NO							
L0163735		0	0.12747E-03	664523.8	4269287.7	67.4	5.00	4.00
4.65	NO							
L0163736		0	0.12747E-03	664532.4	4269288.0	67.6	5.00	4.00
4.65	NO							
L0163737		0	0.12747E-03	664541.0	4269288.2	67.7	5.00	4.00
4.65	NO							
L0163738		0	0.12747E-03	664549.6	4269288.5	67.9	5.00	4.00
4.65	NO							
L0163739		0	0.12747E-03	664558.2	4269288.8	68.0	5.00	4.00
4.65	NO							
L0163740		0	0.12747E-03	664566.8	4269289.0	68.2	5.00	4.00
4.65	NO							
L0163741		0	0.12747E-03	664575.4	4269289.3	68.4	5.00	4.00
4.65	NO							
L0163742		0	0.12747E-03	664584.0	4269289.6	68.8	5.00	4.00
4.65	NO							
L0163743		0	0.12747E-03	664592.6	4269289.8	69.2	5.00	4.00
4.65	NO							
L0163744		0	0.12747E-03	664601.2	4269290.1	69.9	5.00	4.00
4.65	NO							
L0163745		0	0.12747E-03	664609.8	4269290.3	70.8	5.00	4.00
4.65	NO							
L0163746		0	0.12747E-03	664618.4	4269290.6	71.7	5.00	4.00
4.65	NO							
L0163747		0	0.12747E-03	664627.0	4269290.9	73.0	5.00	4.00

4.65	NO							
L0163748		0	0.12747E-03	664635.5	4269291.1	74.5	5.00	4.00
4.65	NO							
L0163749		0	0.12747E-03	664644.1	4269291.4	75.9	5.00	4.00
4.65	NO							
L0163750		0	0.12747E-03	664652.7	4269291.7	76.3	5.00	4.00
4.65	NO							
L0163751		0	0.12747E-03	664661.3	4269291.9	76.6	5.00	4.00
4.65	NO							
L0163752		0	0.12747E-03	664669.9	4269292.2	76.8	5.00	4.00
4.65	NO							
L0163753		0	0.12747E-03	664678.5	4269292.5	75.6	5.00	4.00
4.65	NO							
L0163754		0	0.12747E-03	664687.1	4269292.7	74.4	5.00	4.00
4.65	NO							
L0163755		0	0.12747E-03	664695.7	4269293.0	73.2	5.00	4.00
4.65	NO							
L0163756		0	0.12747E-03	664704.3	4269293.3	72.1	5.00	4.00
4.65	NO							
L0163757		0	0.12747E-03	664712.9	4269293.5	71.0	5.00	4.00
4.65	NO							
L0163758		0	0.12747E-03	664721.5	4269293.8	70.7	5.00	4.00
4.65	NO							
L0163759		0	0.12747E-03	664730.1	4269294.0	71.2	5.00	4.00

\*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0163760		0	0.12747E-03	664738.7	4269294.3	71.7	5.00	4.00
4.65	NO							
L0163761		0	0.12747E-03	664747.3	4269294.6	72.1	5.00	4.00
4.65	NO							
L0163762		0	0.12747E-03	664755.9	4269294.8	72.4	5.00	4.00

4.65	NO							
L0163763		0	0.12747E-03	664764.5	4269295.1	72.7	5.00	4.00
4.65	NO							
L0163764		0	0.12747E-03	664773.1	4269295.4	72.2	5.00	4.00
4.65	NO							
L0163765		0	0.12747E-03	664781.7	4269295.6	71.6	5.00	4.00
4.65	NO							
L0163766		0	0.12747E-03	664790.3	4269295.9	71.0	5.00	4.00
4.65	NO							
L0163767		0	0.12747E-03	664798.9	4269296.2	70.0	5.00	4.00
4.65	NO							
L0163768		0	0.12747E-03	664807.5	4269296.4	68.9	5.00	4.00
4.65	NO							
L0163769		0	0.12747E-03	664816.1	4269296.7	68.1	5.00	4.00
4.65	NO							
L0163770		0	0.12747E-03	664824.7	4269297.0	67.8	5.00	4.00
4.65	NO							
L0163771		0	0.12747E-03	664833.3	4269297.2	67.5	5.00	4.00
4.65	NO							
L0163772		0	0.12747E-03	664841.9	4269297.5	67.5	5.00	4.00
4.65	NO							
L0163773		0	0.12747E-03	664850.4	4269297.7	67.8	5.00	4.00
4.65	NO							
L0163774		0	0.12747E-03	664859.0	4269298.0	68.1	5.00	4.00
4.65	NO							
L0163775		0	0.12747E-03	664867.6	4269298.3	68.4	5.00	4.00
4.65	NO							
L0163776		0	0.12747E-03	664876.2	4269298.5	68.8	5.00	4.00
4.65	NO							
L0163777		0	0.12747E-03	664884.8	4269298.8	69.2	5.00	4.00
4.65	NO							
L0163778		0	0.12747E-03	664893.4	4269299.1	69.8	5.00	4.00
4.65	NO							
L0163779		0	0.12747E-03	664902.0	4269299.3	70.4	5.00	4.00
4.65	NO							
L0163780		0	0.12747E-03	664910.6	4269299.6	71.0	5.00	4.00
4.65	NO							
L0163781		0	0.12747E-03	664919.2	4269299.9	71.7	5.00	4.00
4.65	NO							
L0163782		0	0.12747E-03	664922.8	4269304.6	72.2	5.00	4.00
4.65	NO							
L0163783		0	0.12747E-03	664922.2	4269313.2	72.5	5.00	4.00
4.65	NO							
L0163784		0	0.12747E-03	664921.6	4269321.8	72.9	5.00	4.00
4.65	NO							
L0163785		0	0.12747E-03	664921.1	4269330.4	73.1	5.00	4.00
4.65	NO							
L0163786		0	0.12747E-03	664920.5	4269339.0	73.2	5.00	4.00
4.65	NO							
L0163787		0	0.12747E-03	664919.9	4269347.5	73.2	5.00	4.00

4.65	NO							
L0163788		0	0.12747E-03	664919.3	4269356.1	73.2	5.00	4.00
4.65	NO							
L0163789		0	0.12747E-03	664918.7	4269364.7	72.4	5.00	4.00
4.65	NO							
L0163790		0	0.12747E-03	664918.1	4269373.3	71.5	5.00	4.00
4.65	NO							
L0163791		0	0.12747E-03	664917.6	4269381.9	70.6	5.00	4.00
4.65	NO							
L0163792		0	0.12747E-03	664917.0	4269390.4	69.7	5.00	4.00
4.65	NO							
L0163793		0	0.12747E-03	664916.4	4269399.0	69.0	5.00	4.00
4.65	NO							
L0163794		0	0.12747E-03	664915.8	4269407.6	68.3	5.00	4.00
4.65	NO							
L0163795		0	0.12747E-03	664915.2	4269416.2	67.6	5.00	4.00
4.65	NO							
L0163796		0	0.12747E-03	664914.6	4269424.8	67.8	5.00	4.00
4.65	NO							
L0163797		0	0.12747E-03	664914.0	4269433.3	68.3	5.00	4.00
4.65	NO							
L0163798		0	0.12747E-03	664913.5	4269441.9	68.9	5.00	4.00
4.65	NO							
L0163799		0	0.12747E-03	664912.9	4269450.5	69.5	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0163800		0	0.12747E-03	664912.3	4269459.1	70.5	5.00	4.00
4.65	NO							
L0163801		0	0.12747E-03	664911.7	4269467.7	71.4	5.00	4.00
4.65	NO							
L0163802		0	0.12747E-03	664911.1	4269476.2	72.4	5.00	4.00

4.65	NO							
L0163803		0	0.12747E-03	664910.5	4269484.8	73.5	5.00	4.00
4.65	NO							
L0163804		0	0.12747E-03	664909.9	4269493.4	74.6	5.00	4.00
4.65	NO							
L0163805		0	0.12747E-03	664909.4	4269502.0	75.8	5.00	4.00
4.65	NO							
L0163806		0	0.12747E-03	664908.8	4269510.6	76.9	5.00	4.00
4.65	NO							
L0163807		0	0.12747E-03	664908.2	4269519.1	77.6	5.00	4.00
4.65	NO							
L0163808		0	0.12747E-03	664907.6	4269527.7	78.3	5.00	4.00
4.65	NO							
L0163809		0	0.12747E-03	664907.0	4269536.3	79.0	5.00	4.00
4.65	NO							
L0163810		0	0.12747E-03	664906.4	4269544.9	79.5	5.00	4.00
4.65	NO							
L0163811		0	0.12747E-03	664905.9	4269553.5	79.6	5.00	4.00
4.65	NO							
L0163812		0	0.12747E-03	664905.3	4269562.0	79.6	5.00	4.00
4.65	NO							
L0163813		0	0.12747E-03	664904.7	4269570.6	79.7	5.00	4.00
4.65	NO							
L0163814		0	0.12747E-03	664904.1	4269579.2	79.9	5.00	4.00
4.65	NO							
L0163815		0	0.12747E-03	664903.5	4269587.8	80.2	5.00	4.00
4.65	NO							
L0163816		0	0.12747E-03	664897.0	4269589.5	79.5	5.00	4.00
4.65	NO							
L0163817		0	0.12747E-03	664888.4	4269588.9	78.4	5.00	4.00
4.65	NO							
L0163818		0	0.12747E-03	664879.8	4269588.3	77.2	5.00	4.00
4.65	NO							
L0163819		0	0.12747E-03	664871.2	4269587.8	75.9	5.00	4.00
4.65	NO							
L0163820		0	0.12747E-03	664862.6	4269587.2	74.6	5.00	4.00
4.65	NO							
L0163821		0	0.12747E-03	664854.1	4269586.6	73.4	5.00	4.00
4.65	NO							
L0163822		0	0.12747E-03	664845.5	4269586.0	72.6	5.00	4.00
4.65	NO							
L0163823		0	0.12747E-03	664836.9	4269585.4	71.7	5.00	4.00
4.65	NO							
L0163824		0	0.12747E-03	664828.3	4269584.8	70.9	5.00	4.00
4.65	NO							
L0163825		0	0.12747E-03	664819.7	4269584.2	70.0	5.00	4.00
4.65	NO							
L0163826		0	0.12747E-03	664811.2	4269583.6	69.1	5.00	4.00
4.65	NO							
L0163827		0	0.12747E-03	664802.6	4269583.0	68.4	5.00	4.00

4.65	NO							
L0163828		0	0.12747E-03	664794.0	4269582.5	67.8	5.00	4.00
4.65	NO							
L0163829		0	0.12747E-03	664785.4	4269581.9	67.2	5.00	4.00
4.65	NO							
L0163830		0	0.12747E-03	664776.8	4269581.3	67.3	5.00	4.00
4.65	NO							
L0163831		0	0.12747E-03	664768.3	4269580.7	67.6	5.00	4.00
4.65	NO							
L0163832		0	0.12747E-03	664759.7	4269580.1	67.8	5.00	4.00
4.65	NO							
L0163833		0	0.12747E-03	664751.1	4269579.5	68.0	5.00	4.00
4.65	NO							
L0163834		0	0.12747E-03	664742.5	4269578.9	68.1	5.00	4.00
4.65	NO							
L0163835		0	0.12747E-03	664733.9	4269578.3	68.3	5.00	4.00
4.65	NO							
L0163836		0	0.12747E-03	664725.4	4269577.7	68.4	5.00	4.00
4.65	NO							
L0163837		0	0.12747E-03	664716.8	4269577.1	68.5	5.00	4.00
4.65	NO							
L0163838		0	0.12747E-03	664708.2	4269576.6	68.7	5.00	4.00
4.65	NO							
L0163839		0	0.12747E-03	664699.6	4269576.0	69.1	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0163840		0	0.12747E-03	664691.1	4269575.4	69.5	5.00	4.00
4.65	NO							
L0163841		0	0.12747E-03	664682.5	4269574.8	69.6	5.00	4.00
4.65	NO							
L0163842		0	0.12747E-03	664673.9	4269574.2	69.6	5.00	4.00



4.65	NO							
L0163843		0	0.12747E-03	664665.3	4269573.6	69.6	5.00	4.00
4.65	NO							
L0163844		0	0.12747E-03	664656.7	4269573.0	69.3	5.00	4.00
4.65	NO							
L0163845		0	0.12747E-03	664648.2	4269572.4	68.9	5.00	4.00
4.65	NO							
L0163846		0	0.12747E-03	664639.6	4269571.8	68.5	5.00	4.00
4.65	NO							
L0163847		0	0.12747E-03	664631.0	4269571.3	68.1	5.00	4.00
4.65	NO							
L0163848		0	0.12747E-03	664622.4	4269570.7	67.7	5.00	4.00
4.65	NO							
L0163849		0	0.12747E-03	664613.8	4269570.1	67.2	5.00	4.00
4.65	NO							
L0163850		0	0.12747E-03	664605.3	4269569.5	66.7	5.00	4.00
4.65	NO							
L0163851		0	0.12747E-03	664596.7	4269568.9	66.2	5.00	4.00
4.65	NO							
L0163852		0	0.12747E-03	664588.1	4269568.3	65.5	5.00	4.00
4.65	NO							
L0163853		0	0.12747E-03	664579.5	4269567.7	64.5	5.00	4.00
4.65	NO							
L0163854		0	0.12747E-03	664570.9	4269567.1	63.5	5.00	4.00
4.65	NO							
L0163855		0	0.12747E-03	664562.4	4269566.5	62.6	5.00	4.00
4.65	NO							
L0163856		0	0.12747E-03	664553.8	4269566.0	61.9	5.00	4.00
4.65	NO							
L0163857		0	0.12747E-03	664545.2	4269565.4	61.1	5.00	4.00
4.65	NO							
L0163858		0	0.12747E-03	664536.6	4269564.8	60.6	5.00	4.00
4.65	NO							
L0163859		0	0.12747E-03	664528.0	4269564.2	60.2	5.00	4.00
4.65	NO							
L0163860		0	0.12747E-03	664519.5	4269563.6	59.8	5.00	4.00
4.65	NO							
L0163861		0	0.12747E-03	664510.9	4269563.0	59.6	5.00	4.00
4.65	NO							
L0163862		0	0.12747E-03	664502.3	4269562.4	59.4	5.00	4.00
4.65	NO							
L0163863		0	0.12747E-03	664493.7	4269561.8	59.3	5.00	4.00
4.65	NO							
L0163864		0	0.12747E-03	664485.1	4269561.2	59.1	5.00	4.00
4.65	NO							
L0163865		0	0.12747E-03	664476.6	4269560.6	59.0	5.00	4.00
4.65	NO							
L0163866		0	0.12747E-03	664468.0	4269560.1	58.9	5.00	4.00
4.65	NO							
L0163867		0	0.12747E-03	664459.4	4269559.5	59.0	5.00	4.00

4.65	NO							
L0163868		0	0.12747E-03	664450.8	4269558.9	59.2	5.00	4.00
4.65	NO							
L0163869		0	0.12747E-03	664442.2	4269558.3	59.5	5.00	4.00
4.65	NO							
L0163870		0	0.12747E-03	664433.7	4269557.7	60.0	5.00	4.00
4.65	NO							
L0163871		0	0.12747E-03	664425.1	4269557.1	60.5	5.00	4.00
4.65	NO							
L0163872		0	0.12747E-03	664416.5	4269556.5	60.7	5.00	4.00
4.65	NO							
L0163873		0	0.12747E-03	664407.9	4269555.9	60.8	5.00	4.00
4.65	NO							
L0163874		0	0.12747E-03	664399.3	4269555.3	60.9	5.00	4.00
4.65	NO							
L0163875		0	0.12747E-03	664390.8	4269554.8	60.8	5.00	4.00
4.65	NO							
L0163876		0	0.12747E-03	664382.2	4269554.2	60.6	5.00	4.00
4.65	NO							
L0163877		0	0.12747E-03	664373.6	4269553.6	60.4	5.00	4.00
4.65	NO							
L0163878		0	0.12747E-03	664365.0	4269553.0	60.4	5.00	4.00
4.65	NO							
L0163879		0	0.12747E-03	664356.4	4269552.4	60.5	5.00	4.00

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 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0163880		0	0.12747E-03	664347.9	4269551.8	60.6	5.00	4.00
4.65	NO							
L0163881		0	0.12747E-03	664339.3	4269551.2	61.1	5.00	4.00
4.65	NO							
L0163882		0	0.12747E-03	664330.7	4269550.6	61.7	5.00	4.00

4.65	NO							
L0163883		0	0.12747E-03	664322.1	4269550.0	62.2	5.00	4.00
4.65	NO							
L0163884		0	0.12747E-03	664313.5	4269549.4	62.6	5.00	4.00
4.65	NO							
L0163885		0	0.12747E-03	664305.0	4269548.9	63.1	5.00	4.00
4.65	NO							
L0163886		0	0.12747E-03	664296.4	4269548.3	63.4	5.00	4.00
4.65	NO							
L0163887		0	0.12747E-03	664287.8	4269547.7	63.6	5.00	4.00
4.65	NO							
L0163888		0	0.12747E-03	664279.2	4269547.1	63.8	5.00	4.00
4.65	NO							
L0163889		0	0.12747E-03	664270.6	4269546.5	64.0	5.00	4.00
4.65	NO							
L0163890		0	0.12747E-03	664262.1	4269545.9	64.2	5.00	4.00
4.65	NO							
L0163891		0	0.12747E-03	664253.5	4269545.3	64.4	5.00	4.00
4.65	NO							
L0163892		0	0.12747E-03	664244.9	4269544.7	64.7	5.00	4.00
4.65	NO							
L0163893		0	0.12747E-03	664236.3	4269544.1	65.0	5.00	4.00
4.65	NO							
L0163894		0	0.12747E-03	664227.7	4269543.6	65.4	5.00	4.00
4.65	NO							
L0163895		0	0.12747E-03	664219.2	4269543.0	66.0	5.00	4.00
4.65	NO							
L0163896		0	0.12747E-03	664210.6	4269542.4	66.7	5.00	4.00
4.65	NO							
L0163897		0	0.12747E-03	664202.0	4269541.8	67.3	5.00	4.00
4.65	NO							
L0163898		0	0.12747E-03	664193.4	4269541.2	68.0	5.00	4.00
4.65	NO							
L0163899		0	0.12747E-03	664184.8	4269540.6	68.7	5.00	4.00
4.65	NO							
L0163900		0	0.12747E-03	664176.3	4269540.0	69.3	5.00	4.00
4.65	NO							
L0163901		0	0.12747E-03	664167.7	4269539.4	69.9	5.00	4.00
4.65	NO							
L0163902		0	0.12747E-03	664159.1	4269538.8	70.4	5.00	4.00
4.65	NO							
L0163903		0	0.12747E-03	664150.5	4269538.2	70.7	5.00	4.00
4.65	NO							
L0163904		0	0.12747E-03	664141.9	4269537.7	70.9	5.00	4.00
4.65	NO							
L0163905		0	0.12747E-03	664133.4	4269537.1	71.0	5.00	4.00
4.65	NO							
L0163906		0	0.12747E-03	664124.8	4269536.5	70.7	5.00	4.00
4.65	NO							
L0163907		0	0.12747E-03	664116.2	4269535.9	70.3	5.00	4.00

4.65	NO							
L0163908		0	0.12747E-03	664107.6	4269535.3	69.8	5.00	4.00
4.65	NO							
L0163909		0	0.12747E-03	664099.0	4269534.7	69.2	5.00	4.00
4.65	NO							
L0163910		0	0.12747E-03	664090.5	4269534.1	68.7	5.00	4.00
4.65	NO							
L0163911		0	0.12747E-03	664081.9	4269533.5	68.2	5.00	4.00
4.65	NO							
L0163912		0	0.12747E-03	664073.3	4269532.9	67.8	5.00	4.00
4.65	NO							
L0163913		0	0.12747E-03	664064.7	4269532.4	67.4	5.00	4.00
4.65	NO							
L0163914		0	0.12747E-03	664056.1	4269531.8	67.0	5.00	4.00
4.65	NO							
L0163915		0	0.12747E-03	664047.6	4269531.2	66.5	5.00	4.00
4.65	NO							
L0163916		0	0.12747E-03	664039.9	4269531.6	66.1	5.00	4.00
4.65	NO							
L0163917		0	0.12747E-03	664039.1	4269540.2	66.3	5.00	4.00
4.65	NO							
L0163918		0	0.12747E-03	664038.2	4269548.8	66.6	5.00	4.00
4.65	NO							
L0163919		0	0.12747E-03	664037.4	4269557.3	66.8	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0163920		0	0.12747E-03	664036.6	4269565.9	66.9	5.00	4.00
4.65	NO							
L0163921		0	0.12747E-03	664035.8	4269574.4	67.0	5.00	4.00
4.65	NO							
L0163922		0	0.12747E-03	664034.9	4269583.0	67.1	5.00	4.00

4.65	NO							
L0163923		0	0.12747E-03	664034.1	4269591.6	67.5	5.00	4.00
4.65	NO							
L0163924		0	0.12747E-03	664033.3	4269600.1	67.9	5.00	4.00
4.65	NO							
L0163925		0	0.12747E-03	664032.5	4269608.7	68.4	5.00	4.00
4.65	NO							
L0163926		0	0.12747E-03	664031.7	4269617.2	68.8	5.00	4.00
4.65	NO							
L0163927		0	0.12747E-03	664030.8	4269625.8	69.3	5.00	4.00
4.65	NO							
L0163928		0	0.12747E-03	664030.0	4269634.4	69.8	5.00	4.00
4.65	NO							
L0163929		0	0.12747E-03	664029.2	4269642.9	70.3	5.00	4.00
4.65	NO							
L0163930		0	0.12747E-03	664028.4	4269651.5	70.5	5.00	4.00
4.65	NO							
L0163931		0	0.12747E-03	664027.5	4269660.0	70.5	5.00	4.00
4.65	NO							
L0163932		0	0.12747E-03	664026.7	4269668.6	70.6	5.00	4.00
4.65	NO							
L0163933		0	0.12747E-03	664025.9	4269677.2	70.7	5.00	4.00
4.65	NO							
L0163934		0	0.12747E-03	664025.1	4269685.7	70.4	5.00	4.00
4.65	NO							
L0163935		0	0.12747E-03	664024.3	4269694.3	70.0	5.00	4.00
4.65	NO							
L0163936		0	0.12747E-03	664023.4	4269702.9	69.7	5.00	4.00
4.65	NO							
L0163937		0	0.12747E-03	664022.6	4269711.4	69.5	5.00	4.00
4.65	NO							
L0163938		0	0.12747E-03	664021.8	4269720.0	69.6	5.00	4.00
4.65	NO							
L0163939		0	0.12747E-03	664021.0	4269728.5	69.6	5.00	4.00
4.65	NO							
L0163940		0	0.12747E-03	664020.1	4269737.1	69.7	5.00	4.00
4.65	NO							
L0163941		0	0.12747E-03	664019.3	4269745.7	70.1	5.00	4.00
4.65	NO							
L0163942		0	0.12747E-03	664018.5	4269754.2	70.5	5.00	4.00
4.65	NO							
L0163943		0	0.12747E-03	664017.7	4269762.8	70.9	5.00	4.00
4.65	NO							
L0163944		0	0.12747E-03	664016.9	4269771.3	71.3	5.00	4.00
4.65	NO							
L0163945		0	0.12747E-03	664016.0	4269779.9	71.4	5.00	4.00
4.65	NO							
L0163946		0	0.12747E-03	664015.2	4269788.5	71.4	5.00	4.00
4.65	NO							
L0163947		0	0.12747E-03	664014.4	4269797.0	71.5	5.00	4.00

4.65	NO							
L0163948		0	0.12747E-03	664013.6	4269805.6	71.1	5.00	4.00
4.65	NO							
L0163949		0	0.12747E-03	664012.7	4269814.1	70.3	5.00	4.00
4.65	NO							
L0163950		0	0.12747E-03	664011.9	4269822.7	69.6	5.00	4.00
4.65	NO							
L0163951		0	0.12747E-03	664011.1	4269831.3	68.8	5.00	4.00
4.65	NO							
L0163952		0	0.12747E-03	664010.3	4269839.8	68.0	5.00	4.00
4.65	NO							
L0163953		0	0.12747E-03	664009.5	4269848.4	67.2	5.00	4.00
4.65	NO							
L0163954		0	0.12747E-03	664008.6	4269856.9	66.4	5.00	4.00
4.65	NO							
L0163955		0	0.12747E-03	664007.8	4269865.5	65.8	5.00	4.00
4.65	NO							
L0163956		0	0.12747E-03	664007.0	4269874.1	65.6	5.00	4.00
4.65	NO							
L0163957		0	0.12747E-03	664006.2	4269882.6	65.4	5.00	4.00
4.65	NO							
L0163958		0	0.12747E-03	664005.3	4269891.2	65.2	5.00	4.00
4.65	NO							
L0163959		0	0.12747E-03	664004.5	4269899.7	65.3	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								
L0163960		0	0.12747E-03	664003.7	4269908.3	65.4	5.00	4.00
4.65	NO							
L0163961		0	0.12747E-03	664002.9	4269916.9	65.5	5.00	4.00
4.65	NO							
L0163962		0	0.12747E-03	664002.1	4269925.4	65.7	5.00	4.00

4.65	NO							
L0163963		0	0.12747E-03	664001.2	4269934.0	66.0	5.00	4.00
4.65	NO							
L0163964		0	0.12747E-03	664000.4	4269942.5	66.3	5.00	4.00
4.65	NO							
L0163965		0	0.12747E-03	663999.6	4269951.1	66.5	5.00	4.00
4.65	NO							
L0163966		0	0.12747E-03	663998.8	4269959.7	66.9	5.00	4.00
4.65	NO							
L0163967		0	0.12747E-03	663997.9	4269968.2	67.3	5.00	4.00
4.65	NO							
L0163968		0	0.12747E-03	663997.1	4269976.8	67.6	5.00	4.00
4.65	NO							
L0163969		0	0.12747E-03	663996.3	4269985.4	68.0	5.00	4.00
4.65	NO							
L0163970		0	0.12747E-03	663995.5	4269993.9	68.3	5.00	4.00
4.65	NO							
L0163971		0	0.12747E-03	663994.7	4270002.5	68.6	5.00	4.00
4.65	NO							
L0163972		0	0.12747E-03	663993.8	4270011.0	68.9	5.00	4.00
4.65	NO							
L0163973		0	0.12747E-03	663993.0	4270019.6	69.1	5.00	4.00
4.65	NO							
L0163974		0	0.12747E-03	663992.2	4270028.2	69.3	5.00	4.00
4.65	NO							
L0163975		0	0.12747E-03	663991.4	4270036.7	69.5	5.00	4.00
4.65	NO							
L0163976		0	0.12747E-03	663990.5	4270045.3	69.6	5.00	4.00
4.65	NO							
L0163977		0	0.12747E-03	663989.7	4270053.8	69.6	5.00	4.00
4.65	NO							
L0163978		0	0.12747E-03	663988.9	4270062.4	69.7	5.00	4.00
4.65	NO							
L0163979		0	0.12747E-03	663988.1	4270071.0	69.7	5.00	4.00
4.65	NO							
L0163980		0	0.12747E-03	663987.3	4270079.5	69.7	5.00	4.00
4.65	NO							
L0163981		0	0.12747E-03	663986.4	4270088.1	69.5	5.00	4.00
4.65	NO							
L0163982		0	0.12747E-03	663985.6	4270096.6	69.3	5.00	4.00
4.65	NO							
L0163983		0	0.12747E-03	663984.8	4270105.2	69.1	5.00	4.00
4.65	NO							
L0163984		0	0.12747E-03	663984.0	4270113.8	69.0	5.00	4.00
4.65	NO							
L0163985		0	0.12747E-03	663983.1	4270122.3	68.9	5.00	4.00
4.65	NO							
L0163986		0	0.12747E-03	663982.3	4270130.9	68.8	5.00	4.00
4.65	NO							
L0163987		0	0.12747E-03	663981.5	4270139.4	68.8	5.00	4.00

4.65	NO							
L0163988		0	0.12747E-03	663980.7	4270148.0	68.8	5.00	4.00
4.65	NO							
L0163989		0	0.12747E-03	663979.9	4270156.6	68.8	5.00	4.00
4.65	NO							
L0163990		0	0.12747E-03	663979.0	4270165.1	68.8	5.00	4.00
4.65	NO							
L0163991		0	0.12747E-03	663978.2	4270173.7	68.8	5.00	4.00
4.65	NO							
L0163992		0	0.12747E-03	663977.4	4270182.2	68.9	5.00	4.00
4.65	NO							
L0163993		0	0.12747E-03	663976.6	4270190.8	69.0	5.00	4.00
4.65	NO							
L0163994		0	0.12747E-03	663975.7	4270199.4	69.0	5.00	4.00
4.65	NO							
L0163995		0	0.12747E-03	663974.9	4270207.9	69.1	5.00	4.00
4.65	NO							
L0163996		0	0.12747E-03	663974.1	4270216.5	69.3	5.00	4.00
4.65	NO							
L0163997		0	0.12747E-03	663973.3	4270225.0	69.4	5.00	4.00
4.65	NO							
L0163998		0	0.12747E-03	663972.5	4270233.6	69.5	5.00	4.00
4.65	NO							
L0163999		0	0.12747E-03	663971.6	4270242.2	69.6	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0164000		0	0.12747E-03	663970.8	4270250.7	69.8	5.00	4.00
4.65	NO							
L0164001		0	0.12747E-03	663970.0	4270259.3	69.9	5.00	4.00
4.65	NO							
L0164002		0	0.12747E-03	663969.2	4270267.9	69.9	5.00	4.00



4.65	NO							
L0164003		0	0.12747E-03	663968.3	4270276.4	69.8	5.00	4.00
4.65	NO							
L0164004		0	0.12747E-03	663967.5	4270285.0	69.8	5.00	4.00
4.65	NO							
L0164005		0	0.12747E-03	663966.7	4270293.5	69.7	5.00	4.00
4.65	NO							
L0164006		0	0.12747E-03	663965.9	4270302.1	69.6	5.00	4.00
4.65	NO							
L0164007		0	0.12747E-03	663965.1	4270310.7	69.5	5.00	4.00
4.65	NO							
L0164008		0	0.12747E-03	663964.2	4270319.2	69.5	5.00	4.00
4.65	NO							
L0164009		0	0.12747E-03	663963.4	4270327.8	69.5	5.00	4.00
4.65	NO							
L0164010		0	0.12747E-03	663962.6	4270336.3	69.5	5.00	4.00
4.65	NO							
L0164011		0	0.12747E-03	663961.8	4270344.9	69.5	5.00	4.00
4.65	NO							
L0164012		0	0.12747E-03	663960.9	4270353.5	69.4	5.00	4.00
4.65	NO							
L0164013		0	0.12747E-03	663960.1	4270362.0	69.3	5.00	4.00
4.65	NO							
L0164014		0	0.12747E-03	663959.3	4270370.6	69.2	5.00	4.00
4.65	NO							
L0164015		0	0.12747E-03	663958.5	4270379.1	69.1	5.00	4.00
4.65	NO							
L0164016		0	0.12747E-03	663957.7	4270387.7	69.0	5.00	4.00
4.65	NO							
L0164017		0	0.12747E-03	663956.8	4270396.3	69.0	5.00	4.00
4.65	NO							
L0164018		0	0.12747E-03	663956.0	4270404.8	69.0	5.00	4.00
4.65	NO							
L0164019		0	0.12747E-03	663955.2	4270413.4	69.0	5.00	4.00
4.65	NO							
L0164020		0	0.12747E-03	663954.4	4270421.9	69.8	5.00	4.00
4.65	NO							
L0164021		0	0.12747E-03	663953.6	4270430.5	70.9	5.00	4.00
4.65	NO							
L0164022		0	0.12747E-03	663952.7	4270439.1	72.1	5.00	4.00
4.65	NO							
L0164023		0	0.12747E-03	663951.9	4270447.6	73.3	5.00	4.00
4.65	NO							
L0164024		0	0.12747E-03	663951.1	4270456.2	74.3	5.00	4.00
4.65	NO							
L0164025		0	0.12747E-03	663950.3	4270464.7	75.4	5.00	4.00
4.65	NO							
L0164026		0	0.12747E-03	663949.4	4270473.3	76.5	5.00	4.00
4.65	NO							
L0164027		0	0.12747E-03	663948.6	4270481.9	76.9	5.00	4.00

4.65	NO							
L0164028		0	0.12747E-03	663947.8	4270490.4	76.6	5.00	4.00
4.65	NO							
L0164029		0	0.12747E-03	663947.0	4270499.0	76.4	5.00	4.00
4.65	NO							
L0164030		0	0.12747E-03	663946.2	4270507.5	76.1	5.00	4.00
4.65	NO							
L0164031		0	0.12747E-03	663945.3	4270516.1	74.9	5.00	4.00
4.65	NO							
L0164032		0	0.12747E-03	663944.5	4270524.7	73.6	5.00	4.00
4.65	NO							
L0164033		0	0.12747E-03	663943.7	4270533.2	72.3	5.00	4.00
4.65	NO							
L0164034		0	0.12747E-03	663942.9	4270541.8	71.3	5.00	4.00
4.65	NO							
L0164035		0	0.12747E-03	663942.0	4270550.4	71.1	5.00	4.00
4.65	NO							
L0164036		0	0.12747E-03	663941.2	4270558.9	70.9	5.00	4.00
4.65	NO							
L0164037		0	0.12747E-03	663940.4	4270567.5	70.7	5.00	4.00
4.65	NO							
L0164038		0	0.12747E-03	663939.6	4270576.0	70.6	5.00	4.00
4.65	NO							
L0164039		0	0.12747E-03	663938.8	4270584.6	70.6	5.00	4.00

^ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
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\*\*\* MODELOPTs:    RegDFault    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0164040		0	0.12747E-03	663937.9	4270593.2	70.6	5.00	4.00
4.65	NO							
L0164041		0	0.12747E-03	663937.1	4270601.7	70.7	5.00	4.00
4.65	NO							
L0164042		0	0.12747E-03	663936.3	4270610.3	71.0	5.00	4.00

4.65	NO							
L0164043		0	0.12747E-03	663935.5	4270618.8	71.2	5.00	4.00
4.65	NO							
L0164044		0	0.12747E-03	663934.6	4270627.4	71.5	5.00	4.00
4.65	NO							
L0164045		0	0.12747E-03	663933.8	4270636.0	72.2	5.00	4.00
4.65	NO							
L0164046		0	0.12747E-03	663933.0	4270644.5	73.3	5.00	4.00
4.65	NO							
L0164047		0	0.12747E-03	663932.2	4270653.1	74.3	5.00	4.00
4.65	NO							
L0164048		0	0.12747E-03	663931.4	4270661.6	75.4	5.00	4.00
4.65	NO							
L0164049		0	0.12747E-03	663930.5	4270670.2	77.0	5.00	4.00
4.65	NO							
L0164050		0	0.12747E-03	663929.7	4270678.8	78.7	5.00	4.00
4.65	NO							
L0164051		0	0.12747E-03	663928.9	4270687.3	80.3	5.00	4.00
4.65	NO							
L0164052		0	0.12747E-03	663928.1	4270695.9	81.8	5.00	4.00
4.65	NO							
L0164053		0	0.12747E-03	663920.7	4270696.9	81.3	5.00	4.00
4.65	NO							
L0164054		0	0.12747E-03	663912.1	4270696.4	80.5	5.00	4.00
4.65	NO							
L0164055		0	0.12747E-03	663903.5	4270696.0	79.3	5.00	4.00
4.65	NO							
L0164056		0	0.12747E-03	663894.9	4270695.6	78.1	5.00	4.00
4.65	NO							
L0164057		0	0.12747E-03	663886.3	4270695.2	77.3	5.00	4.00
4.65	NO							
L0164058		0	0.12747E-03	663877.7	4270694.8	77.1	5.00	4.00
4.65	NO							
L0164059		0	0.12747E-03	663869.1	4270694.3	76.8	5.00	4.00
4.65	NO							
L0164060		0	0.12747E-03	663860.6	4270693.9	76.9	5.00	4.00
4.65	NO							
L0164061		0	0.12747E-03	663852.0	4270693.5	77.3	5.00	4.00
4.65	NO							
L0164062		0	0.12747E-03	663843.4	4270693.1	77.7	5.00	4.00
4.65	NO							
L0164063		0	0.12747E-03	663834.8	4270692.7	77.7	5.00	4.00
4.65	NO							
L0164064		0	0.12747E-03	663826.2	4270692.2	77.6	5.00	4.00
4.65	NO							
L0164065		0	0.12747E-03	663817.6	4270691.8	77.5	5.00	4.00
4.65	NO							
L0164066		0	0.12747E-03	663809.0	4270691.4	76.2	5.00	4.00
4.65	NO							
L0164067		0	0.12747E-03	663800.4	4270691.0	74.9	5.00	4.00

4.65	NO							
L0164068		0	0.12747E-03	663791.8	4270690.6	73.6	5.00	4.00
4.65	NO							
L0164069		0	0.12747E-03	663783.2	4270690.2	72.3	5.00	4.00
4.65	NO							
L0164070		0	0.12747E-03	663774.7	4270689.7	71.0	5.00	4.00
4.65	NO							
L0164071		0	0.12747E-03	663766.1	4270689.3	69.8	5.00	4.00
4.65	NO							
L0164072		0	0.12747E-03	663757.5	4270688.9	68.8	5.00	4.00
4.65	NO							
L0164073		0	0.12747E-03	663748.9	4270688.5	67.8	5.00	4.00
4.65	NO							
L0164074		0	0.12747E-03	663740.3	4270688.1	66.9	5.00	4.00
4.65	NO							
L0164075		0	0.12747E-03	663731.7	4270687.6	66.2	5.00	4.00
4.65	NO							
L0164076		0	0.12747E-03	663723.1	4270687.2	65.4	5.00	4.00
4.65	NO							
L0164077		0	0.12747E-03	663714.5	4270686.8	65.0	5.00	4.00
4.65	NO							
L0164078		0	0.12747E-03	663705.9	4270686.4	64.8	5.00	4.00
4.65	NO							
L0164079		0	0.12747E-03	663697.3	4270686.0	64.5	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	PART.	(GRAMS/SEC)	X	ELEV.	HEIGHT	SY
ID	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					

L0164080		0	0.12747E-03	663688.8	4270685.5	64.2	5.00	4.00
4.65	NO							
L0164081		0	0.12747E-03	663680.2	4270685.1	64.0	5.00	4.00
4.65	NO							
L0164082		0	0.12747E-03	663671.6	4270684.7	63.7	5.00	4.00

4.65	NO							
L0164083		0	0.12747E-03	663663.0	4270684.3	63.6	5.00	4.00
4.65	NO							
L0164084		0	0.12747E-03	663657.5	4270687.3	63.4	5.00	4.00
4.65	NO							
L0164085		0	0.12747E-03	663657.0	4270695.9	64.0	5.00	4.00
4.65	NO							
L0164086		0	0.12747E-03	663656.5	4270704.5	64.6	5.00	4.00
4.65	NO							
L0164087		0	0.12747E-03	663656.0	4270713.1	65.2	5.00	4.00
4.65	NO							
L0164088		0	0.12747E-03	663655.5	4270721.7	65.8	5.00	4.00
4.65	NO							
L0164089		0	0.12747E-03	663654.9	4270730.3	66.4	5.00	4.00
4.65	NO							
L0164090		0	0.12747E-03	663654.4	4270738.9	67.0	5.00	4.00
4.65	NO							
L0164091		0	0.12747E-03	663653.9	4270747.4	67.7	5.00	4.00
4.65	NO							
L0164092		0	0.12747E-03	663653.4	4270756.0	68.6	5.00	4.00
4.65	NO							
L0164093		0	0.12747E-03	663652.9	4270764.6	69.6	5.00	4.00
4.65	NO							
L0164094		0	0.12747E-03	663652.4	4270773.2	70.6	5.00	4.00
4.65	NO							
L0164095		0	0.12747E-03	663651.8	4270781.8	71.8	5.00	4.00
4.65	NO							
L0164096		0	0.12747E-03	663651.3	4270790.4	73.2	5.00	4.00
4.65	NO							
L0164097		0	0.12747E-03	663650.8	4270798.9	74.7	5.00	4.00
4.65	NO							
L0164098		0	0.12747E-03	663650.3	4270807.5	76.2	5.00	4.00
4.65	NO							
L0164099		0	0.12747E-03	663649.8	4270816.1	77.3	5.00	4.00
4.65	NO							
L0164100		0	0.12747E-03	663649.3	4270824.7	78.2	5.00	4.00
4.65	NO							
L0164101		0	0.12747E-03	663648.8	4270833.3	79.1	5.00	4.00
4.65	NO							
L0164102		0	0.12747E-03	663648.2	4270841.9	79.9	5.00	4.00
4.65	NO							
L0164103		0	0.12747E-03	663647.7	4270850.5	79.9	5.00	4.00
4.65	NO							
L0164104		0	0.12747E-03	663647.2	4270859.0	79.8	5.00	4.00
4.65	NO							
L0164105		0	0.12747E-03	663646.7	4270867.6	79.8	5.00	4.00
4.65	NO							
L0164106		0	0.12747E-03	663646.2	4270876.2	79.5	5.00	4.00
4.65	NO							
L0164107		0	0.12747E-03	663645.7	4270884.8	78.8	5.00	4.00

4.65	NO							
L0164108		0	0.12747E-03	663645.2	4270893.4	78.2	5.00	4.00
4.65	NO							
L0164109		0	0.12747E-03	663644.6	4270902.0	77.6	5.00	4.00
4.65	NO							
L0164110		0	0.12747E-03	663644.1	4270910.5	76.5	5.00	4.00
4.65	NO							
L0164111		0	0.12747E-03	663643.6	4270919.1	75.3	5.00	4.00
4.65	NO							
L0164112		0	0.12747E-03	663643.1	4270927.7	74.2	5.00	4.00
4.65	NO							
L0164113		0	0.12747E-03	663642.6	4270936.3	72.8	5.00	4.00
4.65	NO							
L0164114		0	0.12747E-03	663642.1	4270944.9	71.0	5.00	4.00
4.65	NO							
L0164115		0	0.12747E-03	663641.5	4270953.5	69.1	5.00	4.00
4.65	NO							
L0164116		0	0.12747E-03	663641.0	4270962.1	67.2	5.00	4.00
4.65	NO							
L0164117		0	0.12747E-03	663640.5	4270970.6	66.2	5.00	4.00
4.65	NO							
L0164118		0	0.12747E-03	663640.0	4270979.2	65.8	5.00	4.00
4.65	NO							
L0164119		0	0.12747E-03	663639.5	4270987.8	65.3	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0164120		0	0.12747E-03	663639.0	4270996.4	65.0	5.00	4.00
4.65	NO							
L0164121		0	0.12747E-03	663638.5	4271005.0	66.0	5.00	4.00
4.65	NO							
L0164122		0	0.12747E-03	663637.9	4271013.6	67.0	5.00	4.00

4.65	NO							
L0164123		0	0.12747E-03	663637.4	4271022.1	67.9	5.00	4.00
4.65	NO							
L0164124		0	0.12747E-03	663636.9	4271030.7	68.2	5.00	4.00
4.65	NO							
L0164125		0	0.12747E-03	663636.4	4271039.3	67.9	5.00	4.00
4.65	NO							
L0164126		0	0.12747E-03	663635.9	4271047.9	67.5	5.00	4.00
4.65	NO							
L0164127		0	0.12747E-03	663635.4	4271056.5	67.1	5.00	4.00
4.65	NO							
L0164128		0	0.12747E-03	663634.9	4271065.1	66.3	5.00	4.00
4.65	NO							
L0164129		0	0.12747E-03	663634.3	4271073.7	65.5	5.00	4.00
4.65	NO							
L0164130		0	0.12747E-03	663633.8	4271082.2	64.7	5.00	4.00
4.65	NO							
L0164131		0	0.12747E-03	663633.3	4271090.8	63.7	5.00	4.00
4.65	NO							
L0164132		0	0.12747E-03	663632.8	4271099.4	62.2	5.00	4.00
4.65	NO							
L0164133		0	0.12747E-03	663632.3	4271108.0	60.8	5.00	4.00
4.65	NO							
L0164134		0	0.12747E-03	663631.8	4271116.6	59.3	5.00	4.00
4.65	NO							
L0164135		0	0.12747E-03	663631.2	4271125.2	58.5	5.00	4.00
4.65	NO							
L0164136		0	0.12747E-03	663630.7	4271133.7	58.0	5.00	4.00
4.65	NO							
L0164137		0	0.12747E-03	663630.2	4271142.3	57.5	5.00	4.00
4.65	NO							
L0164138		0	0.12747E-03	663629.7	4271150.9	57.3	5.00	4.00
4.65	NO							
L0164139		0	0.12747E-03	663629.2	4271159.5	58.3	5.00	4.00
4.65	NO							
L0164140		0	0.12747E-03	663628.7	4271168.1	59.2	5.00	4.00
4.65	NO							
L0164141		0	0.12747E-03	663628.2	4271176.7	60.3	5.00	4.00
4.65	NO							
L0164142		0	0.12747E-03	663627.6	4271185.3	61.7	5.00	4.00
4.65	NO							
L0164143		0	0.12747E-03	663627.1	4271193.8	63.4	5.00	4.00
4.65	NO							
L0164144		0	0.12747E-03	663626.6	4271202.4	65.2	5.00	4.00
4.65	NO							
L0164145		0	0.12747E-03	663626.1	4271211.0	67.0	5.00	4.00
4.65	NO							
L0164146		0	0.12747E-03	663625.6	4271219.6	68.1	5.00	4.00
4.65	NO							
L0164147		0	0.12747E-03	663625.1	4271228.2	69.1	5.00	4.00

4.65	NO							
L0164148		0	0.12747E-03	663624.6	4271236.8	70.2	5.00	4.00
4.65	NO							
L0164149		0	0.12747E-03	663624.0	4271245.3	70.4	5.00	4.00
4.65	NO							
L0164150		0	0.12747E-03	663623.5	4271253.9	69.3	5.00	4.00
4.65	NO							
L0164151		0	0.12747E-03	663623.0	4271262.5	68.3	5.00	4.00
4.65	NO							
L0164152		0	0.12747E-03	663622.5	4271271.1	67.3	5.00	4.00
4.65	NO							
L0164153		0	0.12747E-03	663622.0	4271279.7	66.9	5.00	4.00
4.65	NO							
L0164154		0	0.12747E-03	663621.5	4271288.3	66.6	5.00	4.00
4.65	NO							
L0164155		0	0.12747E-03	663620.9	4271296.8	66.3	5.00	4.00
4.65	NO							
L0164156		0	0.12747E-03	663620.4	4271305.4	66.2	5.00	4.00
4.65	NO							
L0164157		0	0.12747E-03	663619.9	4271314.0	66.5	5.00	4.00
4.65	NO							
L0164158		0	0.12747E-03	663619.4	4271322.6	66.7	5.00	4.00
4.65	NO							
L0164159		0	0.12747E-03	663618.9	4271331.2	67.0	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0164160		0	0.12747E-03	663618.4	4271339.8	66.9	5.00	4.00
4.65	NO							
L0164161		0	0.12747E-03	663617.9	4271348.4	66.6	5.00	4.00
4.65	NO							
L0164162		0	0.12747E-03	663617.3	4271356.9	66.3	5.00	4.00



4.65	NO							
L0164163		0	0.12747E-03	663616.8	4271365.5	66.0	5.00	4.00
4.65	NO							
L0164164		0	0.12747E-03	663616.3	4271374.1	65.8	5.00	4.00
4.65	NO							
L0164165		0	0.12747E-03	663615.8	4271382.7	65.6	5.00	4.00
4.65	NO							
L0164166		0	0.12747E-03	663615.3	4271391.3	65.3	5.00	4.00
4.65	NO							
L0164167		0	0.12747E-03	663614.8	4271399.9	64.9	5.00	4.00
4.65	NO							
L0164168		0	0.12747E-03	663614.2	4271408.5	64.4	5.00	4.00
4.65	NO							
L0164169		0	0.12747E-03	663613.7	4271417.0	63.9	5.00	4.00
4.65	NO							
L0164170		0	0.12747E-03	663613.2	4271425.6	63.4	5.00	4.00
4.65	NO							
L0164171		0	0.12747E-03	663612.7	4271434.2	62.5	5.00	4.00
4.65	NO							
L0164172		0	0.12747E-03	663612.2	4271442.8	61.4	5.00	4.00
4.65	NO							
L0164173		0	0.12747E-03	663611.7	4271451.4	60.3	5.00	4.00
4.65	NO							
L0164174		0	0.12747E-03	663611.2	4271460.0	59.4	5.00	4.00
4.65	NO							
L0164175		0	0.12747E-03	663610.6	4271468.5	59.2	5.00	4.00
4.65	NO							
L0164176		0	0.12747E-03	663610.1	4271477.1	59.0	5.00	4.00
4.65	NO							
L0164177		0	0.12747E-03	663609.6	4271485.7	58.8	5.00	4.00
4.65	NO							
L0164178		0	0.12747E-03	663609.1	4271494.3	59.6	5.00	4.00
4.65	NO							
L0164179		0	0.12747E-03	663608.6	4271502.9	60.9	5.00	4.00
4.65	NO							
L0164180		0	0.12747E-03	663608.1	4271511.5	62.3	5.00	4.00
4.65	NO							
L0164181		0	0.12747E-03	663607.6	4271520.0	63.7	5.00	4.00
4.65	NO							
L0164182		0	0.12747E-03	663607.0	4271528.6	65.8	5.00	4.00
4.65	NO							
L0164183		0	0.12747E-03	663606.5	4271537.2	67.9	5.00	4.00
4.65	NO							
L0164184		0	0.12747E-03	663606.0	4271545.8	70.0	5.00	4.00
4.65	NO							
L0164185		0	0.12747E-03	663605.5	4271554.4	71.0	5.00	4.00
4.65	NO							
L0164186		0	0.12747E-03	663605.0	4271563.0	70.8	5.00	4.00
4.65	NO							
L0164187		0	0.12747E-03	663604.5	4271571.6	70.6	5.00	4.00

4.65	NO							
L0164188		0	0.12747E-03	663603.9	4271580.1	70.4	5.00	4.00
4.65	NO							
L0164189		0	0.12747E-03	663603.4	4271588.7	69.1	5.00	4.00
4.65	NO							
L0164190		0	0.12747E-03	663602.9	4271597.3	67.8	5.00	4.00
4.65	NO							
L0164191		0	0.12747E-03	663602.4	4271605.9	66.5	5.00	4.00
4.65	NO							
L0164192		0	0.12747E-03	663601.9	4271614.5	65.6	5.00	4.00
4.65	NO							
L0164193		0	0.12747E-03	663601.4	4271623.1	65.6	5.00	4.00
4.65	NO							
L0164194		0	0.12747E-03	663600.9	4271631.6	65.5	5.00	4.00
4.65	NO							
L0164195		0	0.12747E-03	663600.3	4271640.2	65.5	5.00	4.00
4.65	NO							
L0164196		0	0.12747E-03	663599.8	4271648.8	66.0	5.00	4.00
4.65	NO							
L0164197		0	0.12747E-03	663599.3	4271657.4	66.7	5.00	4.00
4.65	NO							
L0164198		0	0.12747E-03	663598.8	4271666.0	67.4	5.00	4.00
4.65	NO							
L0164199		0	0.12747E-03	663598.3	4271674.6	68.1	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					

L0164200		0	0.12747E-03	663597.8	4271683.2	68.8	5.00	4.00
4.65	NO							
L0164201		0	0.12747E-03	663597.3	4271691.7	69.5	5.00	4.00
4.65	NO							
L0164202		0	0.12747E-03	663596.7	4271700.3	70.1	5.00	4.00

4.65	NO							
L0164203		0	0.12747E-03	663596.2	4271708.9	70.7	5.00	4.00
4.65	NO							
L0164204		0	0.12747E-03	663595.7	4271717.5	71.2	5.00	4.00
4.65	NO							
L0164205		0	0.12747E-03	663595.2	4271726.1	71.6	5.00	4.00
4.65	NO							
L0164206		0	0.12747E-03	663594.7	4271734.7	72.1	5.00	4.00
4.65	NO							
L0164207		0	0.12747E-03	663594.2	4271743.2	72.3	5.00	4.00
4.65	NO							
L0164208		0	0.12747E-03	663593.6	4271751.8	72.6	5.00	4.00
4.65	NO							
L0164209		0	0.12747E-03	663593.1	4271760.4	72.8	5.00	4.00
4.65	NO							
L0164210		0	0.12747E-03	663592.6	4271769.0	73.1	5.00	4.00
4.65	NO							
L0164211		0	0.12747E-03	663592.1	4271777.6	73.2	5.00	4.00
4.65	NO							
L0164212		0	0.12747E-03	663591.6	4271786.2	73.3	5.00	4.00
4.65	NO							
L0164213		0	0.12747E-03	663591.1	4271794.8	73.5	5.00	4.00
4.65	NO							
L0164214		0	0.12747E-03	663590.6	4271803.3	73.6	5.00	4.00
4.65	NO							
L0164215		0	0.12747E-03	663590.0	4271811.9	73.7	5.00	4.00
4.65	NO							
L0164216		0	0.12747E-03	663589.5	4271820.5	73.8	5.00	4.00
4.65	NO							
L0164217		0	0.12747E-03	663589.0	4271829.1	74.0	5.00	4.00
4.65	NO							
L0164218		0	0.12747E-03	663588.5	4271837.7	74.2	5.00	4.00
4.65	NO							
L0164219		0	0.12747E-03	663588.0	4271846.3	74.5	5.00	4.00
4.65	NO							
L0164220		0	0.12747E-03	663587.5	4271854.8	74.7	5.00	4.00
4.65	NO							
L0164221		0	0.12747E-03	663586.9	4271863.4	75.0	5.00	4.00
4.65	NO							
L0164222		0	0.12747E-03	663586.4	4271872.0	75.3	5.00	4.00
4.65	NO							
L0164223		0	0.12747E-03	663585.9	4271880.6	75.5	5.00	4.00
4.65	NO							
L0164224		0	0.12747E-03	663585.4	4271889.2	75.8	5.00	4.00
4.65	NO							
L0164225		0	0.12747E-03	663584.9	4271897.8	76.0	5.00	4.00
4.65	NO							
L0164226		0	0.12747E-03	663584.4	4271906.4	76.3	5.00	4.00
4.65	NO							
L0164227		0	0.12747E-03	663583.9	4271914.9	76.5	5.00	4.00

4.65	NO							
L0164228		0	0.12747E-03	663583.3	4271923.5	76.8	5.00	4.00
4.65	NO							
L0164229		0	0.12747E-03	663582.8	4271932.1	77.1	5.00	4.00
4.65	NO							
L0164230		0	0.12747E-03	663582.3	4271940.7	77.5	5.00	4.00
4.65	NO							
L0164231		0	0.12747E-03	663581.8	4271949.3	77.8	5.00	4.00
4.65	NO							
L0164232		0	0.12747E-03	663581.3	4271957.9	78.2	5.00	4.00
4.65	NO							
L0164233		0	0.12747E-03	663580.8	4271966.4	78.6	5.00	4.00
4.65	NO							
L0164234		0	0.12747E-03	663580.3	4271975.0	79.0	5.00	4.00
4.65	NO							
L0164235		0	0.12747E-03	663579.7	4271983.6	79.4	5.00	4.00
4.65	NO							
L0164236		0	0.12747E-03	663579.2	4271992.2	79.9	5.00	4.00
4.65	NO							
L0164237		0	0.12747E-03	663578.7	4272000.8	80.3	5.00	4.00
4.65	NO							
L0164238		0	0.12747E-03	663571.4	4272001.8	80.2	5.00	4.00
4.65	NO							
L0164239		0	0.12747E-03	663562.8	4272001.2	80.1	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0164240		0	0.12747E-03	663554.3	4272000.7	80.1	5.00	4.00
4.65	NO							
L0164241		0	0.12747E-03	663545.7	4272000.2	80.2	5.00	4.00
4.65	NO							
L0164242		0	0.12747E-03	663537.1	4271999.7	80.9	5.00	4.00

4.65	NO							
L0164243		0	0.12747E-03	663528.5	4271999.2	81.5	5.00	4.00
4.65	NO							
L0164244		0	0.12747E-03	663519.9	4271998.7	82.3	5.00	4.00
4.65	NO							
L0164245		0	0.12747E-03	663511.3	4271998.2	83.2	5.00	4.00
4.65	NO							
L0164246		0	0.12747E-03	663502.8	4271997.7	84.0	5.00	4.00
4.65	NO							
L0164247		0	0.12747E-03	663494.2	4271997.2	85.1	5.00	4.00
4.65	NO							
L0164248		0	0.12747E-03	663485.6	4271996.7	86.2	5.00	4.00
4.65	NO							
L0164249		0	0.12747E-03	663477.0	4271996.2	87.4	5.00	4.00
4.65	NO							
L0164250		0	0.12747E-03	663468.4	4271995.7	88.5	5.00	4.00
4.65	NO							
L0164251		0	0.12747E-03	663459.8	4271995.2	89.6	5.00	4.00
4.65	NO							
L0164252		0	0.12747E-03	663451.2	4271994.7	90.6	5.00	4.00
4.65	NO							
L0164253		0	0.12747E-03	663442.7	4271994.2	91.2	5.00	4.00
4.65	NO							
L0164254		0	0.12747E-03	663434.1	4271993.7	91.7	5.00	4.00
4.65	NO							
L0164255		0	0.12747E-03	663425.5	4271993.2	92.1	5.00	4.00
4.65	NO							
L0164256		0	0.12747E-03	663416.9	4271992.7	92.0	5.00	4.00
4.65	NO							
L0164257		0	0.12747E-03	663408.3	4271992.2	91.8	5.00	4.00
4.65	NO							
L0164258		0	0.12747E-03	663399.7	4271991.7	91.5	5.00	4.00
4.65	NO							
L0164259		0	0.12747E-03	663391.1	4271991.1	91.0	5.00	4.00
4.65	NO							
L0164260		0	0.12747E-03	663382.6	4271990.6	90.4	5.00	4.00
4.65	NO							
L0164261		0	0.12747E-03	663374.0	4271990.1	89.8	5.00	4.00
4.65	NO							
L0164262		0	0.12747E-03	663365.4	4271989.6	89.1	5.00	4.00
4.65	NO							
L0164263		0	0.12747E-03	663356.8	4271989.1	88.4	5.00	4.00
4.65	NO							
L0164264		0	0.12747E-03	663348.2	4271988.6	87.0	5.00	4.00
4.65	NO							
L0164265		0	0.12747E-03	663339.6	4271988.1	85.3	5.00	4.00
4.65	NO							
L0164266		0	0.12747E-03	663331.0	4271987.6	83.6	5.00	4.00
4.65	NO							
L0164267		0	0.12747E-03	663322.5	4271987.1	81.4	5.00	4.00

4.65	NO							
L0164268		0	0.12747E-03	663313.9	4271986.6	79.1	5.00	4.00
4.65	NO							
L0164269		0	0.12747E-03	663305.3	4271986.1	77.0	5.00	4.00
4.65	NO							
L0164270		0	0.12747E-03	663296.7	4271985.6	75.6	5.00	4.00
4.65	NO							
L0164271		0	0.12747E-03	663288.1	4271985.1	74.3	5.00	4.00
4.65	NO							
L0164272		0	0.12747E-03	663279.5	4271984.6	73.2	5.00	4.00
4.65	NO							
L0164273		0	0.12747E-03	663271.0	4271984.1	72.8	5.00	4.00
4.65	NO							
L0164274		0	0.12747E-03	663262.4	4271983.6	72.4	5.00	4.00
4.65	NO							
L0164275		0	0.12747E-03	663253.8	4271983.1	72.3	5.00	4.00
4.65	NO							
L0164276		0	0.12747E-03	663245.2	4271982.6	72.4	5.00	4.00
4.65	NO							
L0164277		0	0.12747E-03	663241.9	4271988.3	72.0	5.00	4.00
4.65	NO							
L0164278		0	0.12747E-03	663240.9	4271996.8	71.3	5.00	4.00
4.65	NO							
L0164279		0	0.12747E-03	663240.0	4272005.4	70.7	5.00	4.00

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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0164280		0	0.12747E-03	663239.1	4272013.9	70.4	5.00	4.00
4.65	NO							
L0164281		0	0.12747E-03	663238.1	4272022.5	70.0	5.00	4.00
4.65	NO							
L0164282		0	0.12747E-03	663237.2	4272031.0	69.6	5.00	4.00

4.65	NO							
L0164283		0	0.12747E-03	663236.3	4272039.6	69.2	5.00	4.00
4.65	NO							
L0164284		0	0.12747E-03	663235.3	4272048.1	69.0	5.00	4.00
4.65	NO							
L0164285		0	0.12747E-03	663234.4	4272056.7	68.8	5.00	4.00
4.65	NO							
L0164286		0	0.12747E-03	663233.5	4272065.2	68.6	5.00	4.00
4.65	NO							
L0164287		0	0.12747E-03	663232.5	4272073.8	68.0	5.00	4.00
4.65	NO							
L0164288		0	0.12747E-03	663231.6	4272082.3	67.3	5.00	4.00
4.65	NO							
L0164289		0	0.12747E-03	663230.7	4272090.9	66.7	5.00	4.00
4.65	NO							
L0164290		0	0.12747E-03	663229.7	4272099.4	66.1	5.00	4.00
4.65	NO							
L0164291		0	0.12747E-03	663228.8	4272108.0	65.4	5.00	4.00
4.65	NO							
L0164292		0	0.12747E-03	663227.9	4272116.5	64.7	5.00	4.00
4.65	NO							
L0164293		0	0.12747E-03	663226.9	4272125.1	64.0	5.00	4.00
4.65	NO							
L0164294		0	0.12747E-03	663226.0	4272133.6	63.7	5.00	4.00
4.65	NO							
L0164295		0	0.12747E-03	663225.1	4272142.2	63.6	5.00	4.00
4.65	NO							
L0164296		0	0.12747E-03	663224.1	4272150.7	63.4	5.00	4.00
4.65	NO							
L0164297		0	0.12747E-03	663223.2	4272159.3	63.3	5.00	4.00
4.65	NO							
L0164298		0	0.12747E-03	663222.3	4272167.8	63.8	5.00	4.00
4.65	NO							
L0164299		0	0.12747E-03	663221.3	4272176.4	64.3	5.00	4.00
4.65	NO							
L0164300		0	0.12747E-03	663220.4	4272184.9	64.8	5.00	4.00
4.65	NO							
L0164301		0	0.12747E-03	663219.5	4272193.4	65.1	5.00	4.00
4.65	NO							
L0164302		0	0.12747E-03	663218.5	4272202.0	65.1	5.00	4.00
4.65	NO							
L0164303		0	0.12747E-03	663217.6	4272210.5	65.1	5.00	4.00
4.65	NO							
L0164304		0	0.12747E-03	663216.7	4272219.1	65.2	5.00	4.00
4.65	NO							
L0164305		0	0.12747E-03	663215.7	4272227.6	65.0	5.00	4.00
4.65	NO							
L0164306		0	0.12747E-03	663214.8	4272236.2	64.7	5.00	4.00
4.65	NO							
L0164307		0	0.12747E-03	663213.9	4272244.7	64.4	5.00	4.00

4.65	NO							
L0164308		0	0.12747E-03	663212.9	4272253.3	64.2	5.00	4.00
4.65	NO							
L0164309		0	0.12747E-03	663212.0	4272261.8	64.4	5.00	4.00
4.65	NO							
L0164310		0	0.12747E-03	663211.1	4272270.4	64.6	5.00	4.00
4.65	NO							
L0164311		0	0.12747E-03	663210.1	4272278.9	64.7	5.00	4.00
4.65	NO							
L0164312		0	0.12747E-03	663209.2	4272287.5	65.1	5.00	4.00
4.65	NO							
L0164313		0	0.12747E-03	663208.3	4272296.0	65.7	5.00	4.00
4.65	NO							
L0164314		0	0.12747E-03	663207.4	4272304.6	66.2	5.00	4.00
4.65	NO							
L0164315		0	0.12747E-03	663206.4	4272313.1	66.7	5.00	4.00
4.65	NO							
L0164316		0	0.12747E-03	663205.5	4272321.7	67.1	5.00	4.00
4.65	NO							
L0164317		0	0.12747E-03	663204.6	4272330.2	67.6	5.00	4.00
4.65	NO							
L0164318		0	0.12747E-03	663203.6	4272338.8	68.0	5.00	4.00
4.65	NO							
L0164319		0	0.12747E-03	663200.5	4272344.9	68.1	5.00	4.00

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\*\*\* MODELOPTs:    RegDFault    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0164320		0	0.12747E-03	663191.9	4272344.7	67.5	5.00	4.00
4.65	NO							
L0164321		0	0.12747E-03	663183.3	4272344.6	67.0	5.00	4.00
4.65	NO							
L0164322		0	0.12747E-03	663174.7	4272344.4	66.4	5.00	4.00



4.65	NO							
L0164323		0	0.12747E-03	663166.1	4272344.3	66.0	5.00	4.00
4.65	NO							
L0164324		0	0.12747E-03	663157.5	4272344.1	65.5	5.00	4.00
4.65	NO							
L0164325		0	0.12747E-03	663148.9	4272344.0	65.4	5.00	4.00
4.65	NO							
L0164326		0	0.12747E-03	663140.3	4272343.8	65.6	5.00	4.00
4.65	NO							
L0164327		0	0.12747E-03	663131.7	4272343.7	65.7	5.00	4.00
4.65	NO							
L0164328		0	0.12747E-03	663123.1	4272343.5	66.1	5.00	4.00
4.65	NO							
L0164329		0	0.12747E-03	663114.5	4272343.4	66.7	5.00	4.00
4.65	NO							
L0164330		0	0.12747E-03	663105.9	4272343.2	67.3	5.00	4.00
4.65	NO							
L0164331		0	0.12747E-03	663097.3	4272343.1	67.7	5.00	4.00
4.65	NO							
L0164332		0	0.12747E-03	663088.7	4272342.9	68.2	5.00	4.00
4.65	NO							
L0164333		0	0.12747E-03	663080.1	4272342.8	68.7	5.00	4.00
4.65	NO							
L0164334		0	0.12747E-03	663071.5	4272342.6	69.0	5.00	4.00
4.65	NO							
L0164335		0	0.12747E-03	663062.9	4272342.5	69.4	5.00	4.00
4.65	NO							
L0164336		0	0.12747E-03	663054.3	4272342.3	69.8	5.00	4.00
4.65	NO							
L0164337		0	0.12747E-03	663045.7	4272342.2	70.2	5.00	4.00
4.65	NO							
L0164338		0	0.12747E-03	663037.1	4272342.0	70.6	5.00	4.00
4.65	NO							
L0164339		0	0.12747E-03	663028.5	4272341.9	71.0	5.00	4.00
4.65	NO							
L0164340		0	0.12747E-03	663019.9	4272341.7	71.5	5.00	4.00
4.65	NO							
L0164341		0	0.12747E-03	663011.3	4272341.6	72.0	5.00	4.00
4.65	NO							
L0164342		0	0.12747E-03	663002.7	4272341.4	72.3	5.00	4.00
4.65	NO							
L0164343		0	0.12747E-03	662994.1	4272341.3	72.5	5.00	4.00
4.65	NO							
L0164344		0	0.12747E-03	662985.5	4272341.1	72.7	5.00	4.00
4.65	NO							
L0164345		0	0.12747E-03	662976.9	4272341.0	72.2	5.00	4.00
4.65	NO							
L0164346		0	0.12747E-03	662968.3	4272340.8	71.5	5.00	4.00
4.65	NO							
L0164347		0	0.12747E-03	662959.7	4272340.7	70.9	5.00	4.00

4.65	NO							
L0164348		0	0.12747E-03	662951.1	4272340.6	70.1	5.00	4.00
4.65	NO							
L0164349		0	0.12747E-03	662942.5	4272340.4	69.2	5.00	4.00
4.65	NO							
L0164350		0	0.12747E-03	662933.9	4272340.3	68.5	5.00	4.00
4.65	NO							
L0164351		0	0.12747E-03	662925.3	4272340.1	67.9	5.00	4.00
4.65	NO							
L0164352		0	0.12747E-03	662916.7	4272340.0	67.4	5.00	4.00
4.65	NO							
L0164353		0	0.12747E-03	662908.1	4272339.8	67.2	5.00	4.00
4.65	NO							
L0164354		0	0.12747E-03	662899.5	4272339.7	67.5	5.00	4.00
4.65	NO							
L0164355		0	0.12747E-03	662890.9	4272339.5	67.8	5.00	4.00
4.65	NO							
L0164356		0	0.12747E-03	662882.3	4272339.4	68.5	5.00	4.00
4.65	NO							
L0164357		0	0.12747E-03	662873.7	4272339.2	69.4	5.00	4.00
4.65	NO							
L0164358		0	0.12747E-03	662865.1	4272339.1	70.4	5.00	4.00
4.65	NO							
L0164359		0	0.12747E-03	662856.5	4272338.9	70.9	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0164360		0	0.12747E-03	662847.9	4272338.8	71.4	5.00	4.00
4.65	NO							
L0164361		0	0.12747E-03	662839.4	4272338.6	71.8	5.00	4.00
4.65	NO							
L0164362		0	0.12747E-03	662830.8	4272338.5	71.3	5.00	4.00

4.65	NO							
L0164363		0	0.12747E-03	662822.2	4272338.3	70.9	5.00	4.00
4.65	NO							
L0164364		0	0.12747E-03	662819.9	4272345.4	70.8	5.00	4.00
4.65	NO							
L0164365		0	0.12747E-03	662819.0	4272354.0	70.9	5.00	4.00
4.65	NO							
L0164366		0	0.12747E-03	662818.1	4272362.5	70.9	5.00	4.00
4.65	NO							
L0164367		0	0.12747E-03	662817.2	4272371.0	70.9	5.00	4.00
4.65	NO							
L0164368		0	0.12747E-03	662816.2	4272379.6	70.8	5.00	4.00
4.65	NO							
L0164369		0	0.12747E-03	662815.3	4272388.1	70.7	5.00	4.00
4.65	NO							
L0164370		0	0.12747E-03	662814.4	4272396.7	70.6	5.00	4.00
4.65	NO							
L0164371		0	0.12747E-03	662813.5	4272405.3	70.8	5.00	4.00
4.65	NO							
L0164372		0	0.12747E-03	662812.5	4272413.8	71.0	5.00	4.00
4.65	NO							
L0164373		0	0.12747E-03	662811.6	4272422.4	71.2	5.00	4.00
4.65	NO							
L0164374		0	0.12747E-03	662810.7	4272430.9	71.5	5.00	4.00
4.65	NO							
L0164375		0	0.12747E-03	662809.8	4272439.5	71.8	5.00	4.00
4.65	NO							
L0164376		0	0.12747E-03	662808.8	4272448.0	72.1	5.00	4.00
4.65	NO							
L0164377		0	0.12747E-03	662807.9	4272456.6	72.4	5.00	4.00
4.65	NO							
L0164378		0	0.12747E-03	662807.0	4272465.1	72.7	5.00	4.00
4.65	NO							
L0164379		0	0.12747E-03	662806.1	4272473.7	73.0	5.00	4.00
4.65	NO							
L0164380		0	0.12747E-03	662805.1	4272482.2	73.3	5.00	4.00
4.65	NO							
L0164381		0	0.12747E-03	662804.2	4272490.8	73.5	5.00	4.00
4.65	NO							
L0164382		0	0.12747E-03	662803.3	4272499.3	73.8	5.00	4.00
4.65	NO							
L0164383		0	0.12747E-03	662802.4	4272507.9	74.1	5.00	4.00
4.65	NO							
L0164384		0	0.12747E-03	662801.4	4272516.4	74.4	5.00	4.00
4.65	NO							
L0164385		0	0.12747E-03	662800.5	4272525.0	74.6	5.00	4.00
4.65	NO							
L0164386		0	0.12747E-03	662799.6	4272533.5	74.9	5.00	4.00
4.65	NO							
L0164387		0	0.12747E-03	662798.7	4272542.1	75.2	5.00	4.00

4.65	NO							
L0164388		0	0.12747E-03	662797.7	4272550.6	75.5	5.00	4.00
4.65	NO							
L0164389		0	0.12747E-03	662796.8	4272559.2	75.8	5.00	4.00
4.65	NO							
L0164390		0	0.12747E-03	662795.9	4272567.7	76.0	5.00	4.00
4.65	NO							
L0164391		0	0.12747E-03	662795.0	4272576.3	76.3	5.00	4.00
4.65	NO							
L0164392		0	0.12747E-03	662794.0	4272584.8	76.5	5.00	4.00
4.65	NO							
L0164393		0	0.12747E-03	662793.1	4272593.4	76.4	5.00	4.00
4.65	NO							
L0164394		0	0.12747E-03	662792.2	4272601.9	76.3	5.00	4.00
4.65	NO							
L0164395		0	0.12747E-03	662791.3	4272610.5	76.2	5.00	4.00
4.65	NO							
L0164396		0	0.12747E-03	662790.3	4272619.0	76.0	5.00	4.00
4.65	NO							
L0164397		0	0.12747E-03	662789.4	4272627.6	75.7	5.00	4.00
4.65	NO							
L0164398		0	0.12747E-03	662788.5	4272636.1	75.4	5.00	4.00
4.65	NO							
L0164399		0	0.12747E-03	662787.6	4272644.7	75.2	5.00	4.00

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\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0164400		0	0.12747E-03	662786.6	4272653.2	75.0	5.00	4.00
4.65	NO							
L0164401		0	0.12747E-03	662785.7	4272661.8	74.8	5.00	4.00
4.65	NO							
L0164402		0	0.12747E-03	662784.8	4272670.3	74.7	5.00	4.00

4.65	NO							
L0164403		0	0.12747E-03	662783.9	4272678.9	75.0	5.00	4.00
4.65	NO							
L0164404		0	0.12747E-03	662783.0	4272687.4	75.5	5.00	4.00
4.65	NO							
L0164405		0	0.12747E-03	662782.0	4272696.0	76.1	5.00	4.00
4.65	NO							
L0164406		0	0.12747E-03	662781.1	4272704.5	76.7	5.00	4.00
4.65	NO							
L0164407		0	0.12747E-03	662780.2	4272713.1	77.2	5.00	4.00
4.65	NO							
L0164408		0	0.12747E-03	662779.3	4272721.6	77.5	5.00	4.00
4.65	NO							
L0164409		0	0.12747E-03	662778.3	4272730.2	77.9	5.00	4.00
4.65	NO							
L0164410		0	0.12747E-03	662777.4	4272738.7	78.1	5.00	4.00
4.65	NO							
L0164411		0	0.12747E-03	662776.5	4272747.3	77.7	5.00	4.00
4.65	NO							
L0164412		0	0.12747E-03	662775.6	4272755.8	77.4	5.00	4.00
4.65	NO							
L0164413		0	0.12747E-03	662774.6	4272764.4	77.1	5.00	4.00
4.65	NO							
L0164414		0	0.12747E-03	662773.7	4272772.9	77.0	5.00	4.00
4.65	NO							
L0164415		0	0.12747E-03	662772.8	4272781.5	77.0	5.00	4.00
4.65	NO							
L0164416		0	0.12747E-03	662771.9	4272790.0	77.1	5.00	4.00
4.65	NO							
L0164417		0	0.12747E-03	662770.9	4272798.6	77.1	5.00	4.00
4.65	NO							
L0164418		0	0.12747E-03	662770.0	4272807.1	77.6	5.00	4.00
4.65	NO							
L0164419		0	0.12747E-03	662769.1	4272815.7	78.1	5.00	4.00
4.65	NO							
L0164420		0	0.12747E-03	662768.2	4272824.2	78.5	5.00	4.00
4.65	NO							
L0164421		0	0.12747E-03	662761.2	4272825.9	78.1	5.00	4.00
4.65	NO							
L0164422		0	0.12747E-03	662752.6	4272825.7	77.5	5.00	4.00
4.65	NO							
L0164423		0	0.12747E-03	662744.0	4272825.5	76.9	5.00	4.00
4.65	NO							
L0164424		0	0.12747E-03	662735.4	4272825.3	76.2	5.00	4.00
4.65	NO							
L0164425		0	0.12747E-03	662726.8	4272825.1	76.1	5.00	4.00
4.65	NO							
L0164426		0	0.12747E-03	662718.2	4272824.9	76.1	5.00	4.00
4.65	NO							
L0164427		0	0.12747E-03	662709.6	4272824.7	76.2	5.00	4.00

4.65	NO							
L0164428		0	0.12747E-03	662701.0	4272824.5	77.0	5.00	4.00
4.65	NO							
L0164429		0	0.12747E-03	662692.4	4272824.3	77.9	5.00	4.00
4.65	NO							
L0164430		0	0.12747E-03	662683.8	4272824.1	78.8	5.00	4.00
4.65	NO							
L0164431		0	0.12747E-03	662675.2	4272823.9	79.4	5.00	4.00
4.65	NO							
L0164432		0	0.12747E-03	662666.6	4272823.7	80.0	5.00	4.00
4.65	NO							
L0164433		0	0.12747E-03	662658.0	4272823.5	80.3	5.00	4.00
4.65	NO							
L0164434		0	0.12747E-03	662649.4	4272823.3	79.9	5.00	4.00
4.65	NO							
L0164435		0	0.12747E-03	662640.8	4272823.1	79.6	5.00	4.00
4.65	NO							
L0164436		0	0.12747E-03	662632.2	4272822.9	79.1	5.00	4.00
4.65	NO							
L0164437		0	0.12747E-03	662623.6	4272822.7	78.3	5.00	4.00
4.65	NO							
L0164438		0	0.12747E-03	662615.0	4272822.5	77.5	5.00	4.00
4.65	NO							
L0164439		0	0.12747E-03	662606.4	4272822.3	76.8	5.00	4.00

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\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								(METERS)
-----								
L0164440		0	0.12747E-03	662597.8	4272822.2	76.2	5.00	4.00
4.65	NO							
L0164441		0	0.12747E-03	662589.2	4272822.0	75.5	5.00	4.00
4.65	NO							
L0164442		0	0.12747E-03	662580.6	4272821.8	75.2	5.00	4.00

4.65	NO							
L0164443		0	0.12747E-03	662572.0	4272821.6	75.0	5.00	4.00
4.65	NO							
L0164444		0	0.12747E-03	662563.4	4272821.4	74.8	5.00	4.00
4.65	NO							
L0164445		0	0.12747E-03	662554.8	4272821.2	74.6	5.00	4.00
4.65	NO							
L0164446		0	0.12747E-03	662546.2	4272821.0	74.4	5.00	4.00
4.65	NO							
L0164447		0	0.12747E-03	662537.6	4272820.8	74.1	5.00	4.00
4.65	NO							
L0164448		0	0.12747E-03	662529.0	4272820.6	73.7	5.00	4.00
4.65	NO							
L0164449		0	0.12747E-03	662520.4	4272820.4	73.2	5.00	4.00
4.65	NO							
L0164450		0	0.12747E-03	662511.8	4272820.2	72.6	5.00	4.00
4.65	NO							
L0164451		0	0.12747E-03	662503.3	4272820.0	71.8	5.00	4.00
4.65	NO							
L0164452		0	0.12747E-03	662494.7	4272819.8	70.9	5.00	4.00
4.65	NO							
L0164453		0	0.12747E-03	662486.1	4272819.6	70.2	5.00	4.00
4.65	NO							
L0164454		0	0.12747E-03	662477.9	4272819.9	69.5	5.00	4.00
4.65	NO							
L0164455		0	0.12747E-03	662477.1	4272828.5	69.4	5.00	4.00
4.65	NO							
L0164456		0	0.12747E-03	662476.3	4272837.1	69.1	5.00	4.00
4.65	NO							
L0164457		0	0.12747E-03	662475.5	4272845.6	68.8	5.00	4.00
4.65	NO							
L0164458		0	0.12747E-03	662474.6	4272854.2	68.5	5.00	4.00
4.65	NO							
L0164459		0	0.12747E-03	662473.8	4272862.7	67.5	5.00	4.00
4.65	NO							
L0164460		0	0.12747E-03	662473.0	4272871.3	66.6	5.00	4.00
4.65	NO							
L0164461		0	0.12747E-03	662472.2	4272879.9	65.7	5.00	4.00
4.65	NO							
L0164462		0	0.12747E-03	662471.4	4272888.4	65.5	5.00	4.00
4.65	NO							
L0164463		0	0.12747E-03	662470.6	4272897.0	65.9	5.00	4.00
4.65	NO							
L0164464		0	0.12747E-03	662469.7	4272905.5	66.4	5.00	4.00
4.65	NO							
L0164465		0	0.12747E-03	662468.9	4272914.1	66.9	5.00	4.00
4.65	NO							
L0164466		0	0.12747E-03	662468.1	4272922.7	68.2	5.00	4.00
4.65	NO							
L0164467		0	0.12747E-03	662467.3	4272931.2	69.6	5.00	4.00

4.65	NO							
L0164468		0	0.12747E-03	662466.5	4272939.8	71.0	5.00	4.00
4.65	NO							
L0164469		0	0.12747E-03	662465.6	4272948.4	71.8	5.00	4.00
4.65	NO							
L0164470		0	0.12747E-03	662464.8	4272956.9	71.7	5.00	4.00
4.65	NO							
L0164471		0	0.12747E-03	662464.0	4272965.5	71.6	5.00	4.00
4.65	NO							
L0164472		0	0.12747E-03	662463.2	4272974.0	71.5	5.00	4.00
4.65	NO							
L0164473		0	0.12747E-03	662462.4	4272982.6	70.6	5.00	4.00
4.65	NO							
L0164474		0	0.12747E-03	662461.5	4272991.2	69.4	5.00	4.00
4.65	NO							
L0164475		0	0.12747E-03	662460.7	4272999.7	68.2	5.00	4.00
4.65	NO							
L0164476		0	0.12747E-03	662459.9	4273008.3	67.1	5.00	4.00
4.65	NO							
L0164477		0	0.12747E-03	662459.1	4273016.8	66.7	5.00	4.00
4.65	NO							
L0164478		0	0.12747E-03	662458.3	4273025.4	66.3	5.00	4.00
4.65	NO							
L0164479		0	0.12747E-03	662457.5	4273034.0	65.8	5.00	4.00

\*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0164480		0	0.12747E-03	662456.6	4273042.5	65.7	5.00	4.00
4.65	NO							
L0164481		0	0.12747E-03	662455.8	4273051.1	65.8	5.00	4.00
4.65	NO							
L0164482		0	0.12747E-03	662455.0	4273059.6	65.8	5.00	4.00



4.65	NO							
L0164483		0	0.12747E-03	662454.2	4273068.2	65.9	5.00	4.00
4.65	NO							
L0164484		0	0.12747E-03	662453.4	4273076.8	66.1	5.00	4.00
4.65	NO							
L0164485		0	0.12747E-03	662452.5	4273085.3	66.2	5.00	4.00
4.65	NO							
L0164486		0	0.12747E-03	662451.7	4273093.9	66.4	5.00	4.00
4.65	NO							
L0164487		0	0.12747E-03	662450.9	4273102.4	66.8	5.00	4.00
4.65	NO							
L0164488		0	0.12747E-03	662450.1	4273111.0	67.6	5.00	4.00
4.65	NO							
L0164489		0	0.12747E-03	662449.3	4273119.6	68.4	5.00	4.00
4.65	NO							
L0164490		0	0.12747E-03	662448.4	4273128.1	69.2	5.00	4.00
4.65	NO							
L0164491		0	0.12747E-03	662447.6	4273136.7	70.1	5.00	4.00
4.65	NO							
L0164492		0	0.12747E-03	662446.8	4273145.3	71.1	5.00	4.00
4.65	NO							
L0164493		0	0.12747E-03	662446.0	4273153.8	72.0	5.00	4.00
4.65	NO							
L0164494		0	0.12747E-03	662445.2	4273162.4	73.0	5.00	4.00
4.65	NO							
L0164495		0	0.12747E-03	662444.4	4273170.9	73.9	5.00	4.00
4.65	NO							
L0164496		0	0.12747E-03	662443.5	4273179.5	74.8	5.00	4.00
4.65	NO							
L0164497		0	0.12747E-03	662442.7	4273188.1	75.6	5.00	4.00
4.65	NO							
L0164498		0	0.12747E-03	662441.9	4273196.6	76.4	5.00	4.00
4.65	NO							
L0164499		0	0.12747E-03	662441.1	4273205.2	77.2	5.00	4.00
4.65	NO							
L0164500		0	0.12747E-03	662440.3	4273213.7	78.1	5.00	4.00
4.65	NO							
L0164501		0	0.12747E-03	662439.4	4273222.3	78.9	5.00	4.00
4.65	NO							
L0164502		0	0.12747E-03	662438.6	4273230.9	79.0	5.00	4.00
4.65	NO							
L0164503		0	0.12747E-03	662437.8	4273239.4	79.2	5.00	4.00
4.65	NO							
L0164504		0	0.12747E-03	662437.0	4273248.0	79.3	5.00	4.00
4.65	NO							
L0164505		0	0.12747E-03	662436.2	4273256.5	79.4	5.00	4.00
4.65	NO							
L0164506		0	0.12747E-03	662435.3	4273265.1	79.3	5.00	4.00
4.65	NO							
L0164507		0	0.12747E-03	662434.5	4273273.7	79.2	5.00	4.00

4.65	NO							
L0164508		0	0.12747E-03	662433.7	4273282.2	79.1	5.00	4.00
4.65	NO							
L0164509		0	0.12747E-03	662432.9	4273290.8	78.1	5.00	4.00
4.65	NO							
L0164510		0	0.12747E-03	662432.1	4273299.4	76.8	5.00	4.00
4.65	NO							
L0164511		0	0.12747E-03	662431.2	4273307.9	75.4	5.00	4.00
4.65	NO							
L0164512		0	0.12747E-03	662430.4	4273316.5	74.1	5.00	4.00
4.65	NO							
L0164513		0	0.12747E-03	662429.6	4273325.0	73.0	5.00	4.00
4.65	NO							
L0164514		0	0.12747E-03	662428.8	4273333.6	71.9	5.00	4.00
4.65	NO							
L0164515		0	0.12747E-03	662428.0	4273342.2	70.8	5.00	4.00
4.65	NO							
L0164516		0	0.12747E-03	662427.2	4273350.7	70.7	5.00	4.00
4.65	NO							
L0164517		0	0.12747E-03	662426.3	4273359.3	71.3	5.00	4.00
4.65	NO							
L0164518		0	0.12747E-03	662425.5	4273367.8	71.8	5.00	4.00
4.65	NO							
L0164519		0	0.12747E-03	662424.7	4273376.4	72.2	5.00	4.00

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\*\*\* MODELOPTs:    RegDFault    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0164520		0	0.12747E-03	662423.9	4273385.0	73.5	5.00	4.00
4.65	NO							
L0164521		0	0.12747E-03	662423.1	4273393.5	74.8	5.00	4.00
4.65	NO							
L0164522		0	0.12747E-03	662422.2	4273402.1	76.1	5.00	4.00

4.65	NO							
L0164523		0	0.12747E-03	662421.4	4273410.6	77.3	5.00	4.00
4.65	NO							
L0164524		0	0.12747E-03	662420.6	4273419.2	78.3	5.00	4.00
4.65	NO							
L0164525		0	0.12747E-03	662419.8	4273427.8	79.4	5.00	4.00
4.65	NO							
L0164526		0	0.12747E-03	662419.0	4273436.3	80.5	5.00	4.00
4.65	NO							
L0164527		0	0.12747E-03	662418.1	4273444.9	81.1	5.00	4.00
4.65	NO							
L0164528		0	0.12747E-03	662417.3	4273453.4	81.6	5.00	4.00
4.65	NO							
L0164529		0	0.12747E-03	662416.5	4273462.0	82.2	5.00	4.00
4.65	NO							
L0164530		0	0.12747E-03	662415.7	4273470.6	82.7	5.00	4.00
4.65	NO							
L0164531		0	0.12747E-03	662414.9	4273479.1	83.1	5.00	4.00
4.65	NO							
L0164532		0	0.12747E-03	662414.1	4273487.7	83.5	5.00	4.00
4.65	NO							
L0164533		0	0.12747E-03	662413.2	4273496.3	84.0	5.00	4.00
4.65	NO							
L0164534		0	0.12747E-03	662412.4	4273504.8	84.5	5.00	4.00
4.65	NO							
L0164535		0	0.12747E-03	662411.6	4273513.4	85.0	5.00	4.00
4.65	NO							
L0164536		0	0.12747E-03	662410.8	4273521.9	85.5	5.00	4.00
4.65	NO							
L0164537		0	0.12747E-03	662410.0	4273530.5	86.0	5.00	4.00
4.65	NO							
L0164538		0	0.12747E-03	662409.1	4273539.1	86.5	5.00	4.00
4.65	NO							
L0164539		0	0.12747E-03	662408.3	4273547.6	87.0	5.00	4.00
4.65	NO							
L0164540		0	0.12747E-03	662407.5	4273556.2	87.5	5.00	4.00
4.65	NO							
L0164541		0	0.12747E-03	662406.7	4273564.7	87.8	5.00	4.00
4.65	NO							
L0164542		0	0.12747E-03	662405.9	4273573.3	88.1	5.00	4.00
4.65	NO							
L0164543		0	0.12747E-03	662401.0	4273577.0	87.9	5.00	4.00
4.65	NO							
L0164544		0	0.12747E-03	662392.4	4273576.3	86.7	5.00	4.00
4.65	NO							
L0164545		0	0.12747E-03	662383.8	4273575.6	85.6	5.00	4.00
4.65	NO							
L0164546		0	0.12747E-03	662375.2	4273574.9	84.3	5.00	4.00
4.65	NO							
L0164547		0	0.12747E-03	662366.7	4273574.3	83.0	5.00	4.00

4.65	NO							
L0164548		0	0.12747E-03	662358.1	4273573.6	81.7	5.00	4.00
4.65	NO							
L0164549		0	0.12747E-03	662349.5	4273572.9	80.9	5.00	4.00
4.65	NO							
L0164550		0	0.12747E-03	662341.0	4273572.2	80.4	5.00	4.00
4.65	NO							
L0164551		0	0.12747E-03	662332.4	4273571.5	79.9	5.00	4.00
4.65	NO							
L0164552		0	0.12747E-03	662323.8	4273570.8	80.2	5.00	4.00
4.65	NO							
L0164553		0	0.12747E-03	662315.2	4273570.1	80.8	5.00	4.00
4.65	NO							
L0164554		0	0.12747E-03	662306.7	4273569.5	81.4	5.00	4.00
4.65	NO							
L0164555		0	0.12747E-03	662298.1	4273568.8	80.8	5.00	4.00
4.65	NO							
L0164556		0	0.12747E-03	662289.5	4273568.1	80.0	5.00	4.00
4.65	NO							
L0164557		0	0.12747E-03	662281.0	4273567.4	79.3	5.00	4.00
4.65	NO							
L0164558		0	0.12747E-03	662272.4	4273566.7	78.5	5.00	4.00
4.65	NO							
L0164559		0	0.12747E-03	662263.8	4273566.0	77.6	5.00	4.00

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\*\*\* MODELOPTs:    RegDFault    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					

L0164560		0	0.12747E-03	662255.2	4273565.3	77.2	5.00	4.00
4.65	NO							
L0164561		0	0.12747E-03	662246.7	4273564.7	77.6	5.00	4.00
4.65	NO							
L0164562		0	0.12747E-03	662240.9	4273561.6	78.0	5.00	4.00

4.65	NO							
L0164563		0	0.12747E-03	662241.4	4273553.0	78.1	5.00	4.00
4.65	NO							
L0164564		0	0.12747E-03	662242.0	4273544.4	78.4	5.00	4.00
4.65	NO							
L0164565		0	0.12747E-03	662242.6	4273535.8	78.6	5.00	4.00
4.65	NO							
L0164566		0	0.12747E-03	662243.2	4273527.2	78.8	5.00	4.00
4.65	NO							
L0164567		0	0.12747E-03	662243.7	4273518.7	80.0	5.00	4.00
4.65	NO							
L0164568		0	0.12747E-03	662244.3	4273510.1	81.2	5.00	4.00
4.65	NO							
L0164569		0	0.12747E-03	662244.9	4273501.5	82.4	5.00	4.00
4.65	NO							
L0164570		0	0.12747E-03	662245.4	4273492.9	83.3	5.00	4.00
4.65	NO							
L0164571		0	0.12747E-03	662246.0	4273484.3	83.5	5.00	4.00
4.65	NO							
L0164572		0	0.12747E-03	662246.6	4273475.7	83.7	5.00	4.00
4.65	NO							
L0164573		0	0.12747E-03	662247.1	4273467.2	84.0	5.00	4.00
4.65	NO							
L0164574		0	0.12747E-03	662247.7	4273458.6	83.5	5.00	4.00
4.65	NO							
L0164575		0	0.12747E-03	662248.3	4273450.0	82.8	5.00	4.00
4.65	NO							
L0164576		0	0.12747E-03	662248.8	4273441.4	82.0	5.00	4.00
4.65	NO							
L0164577		0	0.12747E-03	662249.4	4273432.8	81.3	5.00	4.00
4.65	NO							
L0164578		0	0.12747E-03	662250.0	4273424.3	80.5	5.00	4.00
4.65	NO							
L0164579		0	0.12747E-03	662250.5	4273415.7	79.6	5.00	4.00
4.65	NO							
L0164580		0	0.12747E-03	662251.1	4273407.1	78.7	5.00	4.00
4.65	NO							
L0164581		0	0.12747E-03	662251.7	4273398.5	78.5	5.00	4.00
4.65	NO							
L0164582		0	0.12747E-03	662252.2	4273389.9	78.7	5.00	4.00
4.65	NO							
L0164583		0	0.12747E-03	662252.8	4273381.4	78.9	5.00	4.00
4.65	NO							
L0164584		0	0.12747E-03	662253.4	4273372.8	79.1	5.00	4.00
4.65	NO							
L0164585		0	0.12747E-03	662253.9	4273364.2	80.1	5.00	4.00
4.65	NO							
L0164586		0	0.12747E-03	662254.5	4273355.6	81.0	5.00	4.00
4.65	NO							
L0164587		0	0.12747E-03	662255.1	4273347.0	82.0	5.00	4.00

4.65	NO							
L0164588		0	0.12747E-03	662255.6	4273338.4	82.7	5.00	4.00
4.65	NO							
L0164589		0	0.12747E-03	662256.2	4273329.9	82.9	5.00	4.00
4.65	NO							
L0164590		0	0.12747E-03	662256.8	4273321.3	83.2	5.00	4.00
4.65	NO							
L0164591		0	0.12747E-03	662257.3	4273312.7	83.4	5.00	4.00
4.65	NO							
L0164592		0	0.12747E-03	662257.9	4273304.1	82.9	5.00	4.00
4.65	NO							
L0164593		0	0.12747E-03	662258.5	4273295.5	82.3	5.00	4.00
4.65	NO							
L0164594		0	0.12747E-03	662259.1	4273287.0	81.7	5.00	4.00
4.65	NO							
L0164595		0	0.12747E-03	662259.6	4273278.4	81.1	5.00	4.00
4.65	NO							
L0164596		0	0.12747E-03	662260.2	4273269.8	80.6	5.00	4.00
4.65	NO							
L0164597		0	0.12747E-03	662260.8	4273261.2	80.1	5.00	4.00
4.65	NO							
L0164598		0	0.12747E-03	662261.3	4273252.6	79.7	5.00	4.00
4.65	NO							
L0164599		0	0.12747E-03	662261.9	4273244.1	79.3	5.00	4.00

\*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					

L0164600		0	0.12747E-03	662262.5	4273235.5	78.8	5.00	4.00
4.65	NO							
L0164601		0	0.12747E-03	662263.0	4273226.9	78.5	5.00	4.00
4.65	NO							
L0164602		0	0.12747E-03	662263.6	4273218.3	78.1	5.00	4.00

4.65	NO							
L0164603		0	0.12747E-03	662264.2	4273209.7	77.8	5.00	4.00
4.65	NO							
L0164604		0	0.12747E-03	662264.7	4273201.1	77.6	5.00	4.00
4.65	NO							
L0164605		0	0.12747E-03	662265.3	4273192.6	77.4	5.00	4.00
4.65	NO							
L0164606		0	0.12747E-03	662265.9	4273184.0	77.2	5.00	4.00
4.65	NO							
L0164607		0	0.12747E-03	662266.4	4273175.4	77.0	5.00	4.00
4.65	NO							
L0164608		0	0.12747E-03	662267.0	4273166.8	76.7	5.00	4.00
4.65	NO							
L0164609		0	0.12747E-03	662267.6	4273158.2	76.5	5.00	4.00
4.65	NO							
L0164610		0	0.12747E-03	662268.1	4273149.7	76.1	5.00	4.00
4.65	NO							
L0164611		0	0.12747E-03	662268.7	4273141.1	75.6	5.00	4.00
4.65	NO							
L0164612		0	0.12747E-03	662269.3	4273132.5	75.1	5.00	4.00
4.65	NO							
L0164613		0	0.12747E-03	662269.8	4273123.9	74.6	5.00	4.00
4.65	NO							
L0164614		0	0.12747E-03	662270.4	4273115.3	74.0	5.00	4.00
4.65	NO							
L0164615		0	0.12747E-03	662271.0	4273106.8	73.4	5.00	4.00
4.65	NO							
L0164616		0	0.12747E-03	662271.5	4273098.2	72.8	5.00	4.00
4.65	NO							
L0164617		0	0.12747E-03	662272.1	4273089.6	72.5	5.00	4.00
4.65	NO							
L0164618		0	0.12747E-03	662272.7	4273081.0	72.2	5.00	4.00
4.65	NO							
L0164619		0	0.12747E-03	662273.2	4273072.4	72.0	5.00	4.00
4.65	NO							
L0164620		0	0.12747E-03	662273.8	4273063.8	71.8	5.00	4.00
4.65	NO							
L0164621		0	0.12747E-03	662274.4	4273055.3	71.9	5.00	4.00
4.65	NO							
L0164622		0	0.12747E-03	662275.0	4273046.7	72.0	5.00	4.00
4.65	NO							
L0164623		0	0.12747E-03	662275.5	4273038.1	72.1	5.00	4.00
4.65	NO							
L0164624		0	0.12747E-03	662276.1	4273029.5	72.0	5.00	4.00
4.65	NO							
L0164625		0	0.12747E-03	662276.7	4273020.9	71.7	5.00	4.00
4.65	NO							
L0164626		0	0.12747E-03	662277.2	4273012.4	71.4	5.00	4.00
4.65	NO							
L0164627		0	0.12747E-03	662277.8	4273003.8	71.1	5.00	4.00

4.65	NO							
L0164628		0	0.12747E-03	662278.4	4272995.2	70.7	5.00	4.00
4.65	NO							
L0164629		0	0.12747E-03	662278.9	4272986.6	70.3	5.00	4.00
4.65	NO							
L0164630		0	0.12747E-03	662279.5	4272978.0	69.8	5.00	4.00
4.65	NO							
L0164631		0	0.12747E-03	662280.1	4272969.5	69.4	5.00	4.00
4.65	NO							
L0164632		0	0.12747E-03	662280.6	4272960.9	69.0	5.00	4.00
4.65	NO							
L0164633		0	0.12747E-03	662281.2	4272952.3	68.6	5.00	4.00
4.65	NO							
L0164634		0	0.12747E-03	662281.8	4272943.7	68.2	5.00	4.00
4.65	NO							
L0164635		0	0.12747E-03	662282.3	4272935.1	68.0	5.00	4.00
4.65	NO							
L0164636		0	0.12747E-03	662282.9	4272926.5	67.8	5.00	4.00
4.65	NO							
L0164637		0	0.12747E-03	662283.5	4272918.0	67.6	5.00	4.00
4.65	NO							
L0164638		0	0.12747E-03	662284.0	4272909.4	67.4	5.00	4.00
4.65	NO							
L0164639		0	0.12747E-03	662284.6	4272900.8	67.0	5.00	4.00

\*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFault    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0164640		0	0.12747E-03	662285.2	4272892.2	66.7	5.00	4.00
4.65	NO							
L0164641		0	0.12747E-03	662285.7	4272883.6	66.4	5.00	4.00
4.65	NO							
L0164642		0	0.12747E-03	662286.3	4272875.1	65.9	5.00	4.00



4.65	NO							
L0164643		0	0.12747E-03	662286.9	4272866.5	65.4	5.00	4.00
4.65	NO							
L0164644		0	0.12747E-03	662287.4	4272857.9	64.9	5.00	4.00
4.65	NO							
L0164645		0	0.12747E-03	662288.0	4272849.3	64.4	5.00	4.00
4.65	NO							
L0164646		0	0.12747E-03	662288.6	4272840.7	64.2	5.00	4.00
4.65	NO							
L0164647		0	0.12747E-03	662289.1	4272832.2	64.0	5.00	4.00
4.65	NO							
L0164648		0	0.12747E-03	662289.7	4272823.6	63.8	5.00	4.00
4.65	NO							
L0164649		0	0.12747E-03	662290.3	4272815.0	63.7	5.00	4.00
4.65	NO							
L0164650		0	0.12747E-03	662290.9	4272806.4	63.7	5.00	4.00
4.65	NO							
L0164651		0	0.12747E-03	662291.4	4272797.8	63.7	5.00	4.00
4.65	NO							
L0164652		0	0.12747E-03	662292.0	4272789.2	63.7	5.00	4.00
4.65	NO							
L0164653		0	0.12747E-03	662292.6	4272780.7	63.6	5.00	4.00
4.65	NO							
L0164654		0	0.12747E-03	662293.1	4272772.1	63.5	5.00	4.00
4.65	NO							
L0164655		0	0.12747E-03	662293.7	4272763.5	63.4	5.00	4.00
4.65	NO							
L0164656		0	0.12747E-03	662294.3	4272754.9	63.4	5.00	4.00
4.65	NO							
L0164657		0	0.12747E-03	662294.8	4272746.3	63.4	5.00	4.00
4.65	NO							
L0164658		0	0.12747E-03	662295.4	4272737.8	63.5	5.00	4.00
4.65	NO							
L0164659		0	0.12747E-03	662296.0	4272729.2	63.5	5.00	4.00
4.65	NO							
L0164660		0	0.12747E-03	662296.5	4272720.6	63.6	5.00	4.00
4.65	NO							
L0164661		0	0.12747E-03	662297.1	4272712.0	63.7	5.00	4.00
4.65	NO							
L0164662		0	0.12747E-03	662297.7	4272703.4	63.8	5.00	4.00
4.65	NO							
L0164663		0	0.12747E-03	662298.2	4272694.9	63.9	5.00	4.00
4.65	NO							
L0164664		0	0.12747E-03	662298.8	4272686.3	64.7	5.00	4.00
4.65	NO							
L0164665		0	0.12747E-03	662299.4	4272677.7	65.4	5.00	4.00
4.65	NO							
L0164666		0	0.12747E-03	662299.9	4272669.1	66.2	5.00	4.00
4.65	NO							
L0164667		0	0.12747E-03	662292.7	4272667.8	67.1	5.00	4.00

4.65	NO							
L0164668		0	0.12747E-03	662284.1	4272667.7	68.1	5.00	4.00
4.65	NO							
L0164669		0	0.12747E-03	662275.5	4272667.7	69.1	5.00	4.00
4.65	NO							
L0164670		0	0.12747E-03	662266.9	4272667.6	69.1	5.00	4.00
4.65	NO							
L0164671		0	0.12747E-03	662258.3	4272667.5	69.2	5.00	4.00
4.65	NO							
L0164672		0	0.12747E-03	662249.7	4272667.5	69.2	5.00	4.00
4.65	NO							
L0164673		0	0.12747E-03	662241.1	4272667.4	69.0	5.00	4.00
4.65	NO							
L0164674		0	0.12747E-03	662232.5	4272667.3	68.9	5.00	4.00
4.65	NO							
L0164675		0	0.12747E-03	662223.9	4272667.3	68.7	5.00	4.00
4.65	NO							
L0164676		0	0.12747E-03	662215.3	4272667.2	68.4	5.00	4.00
4.65	NO							
L0164677		0	0.12747E-03	662206.7	4272667.1	68.2	5.00	4.00
4.65	NO							
L0164678		0	0.12747E-03	662198.1	4272667.1	67.9	5.00	4.00
4.65	NO							
L0164679		0	0.12747E-03	662189.5	4272667.0	67.6	5.00	4.00

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\*\*\* MODELOPTs:    RegDFault    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0164680		0	0.12747E-03	662180.9	4272666.9	67.3	5.00	4.00
4.65	NO							
L0164681		0	0.12747E-03	662172.3	4272666.9	67.2	5.00	4.00
4.65	NO							
L0164682		0	0.12747E-03	662163.7	4272666.8	67.2	5.00	4.00

4.65	NO							
L0164683		0	0.12747E-03	662155.1	4272666.7	67.3	5.00	4.00
4.65	NO							
L0164684		0	0.12747E-03	662146.5	4272666.7	67.4	5.00	4.00
4.65	NO							
L0164685		0	0.12747E-03	662137.9	4272666.6	67.6	5.00	4.00
4.65	NO							
L0164686		0	0.12747E-03	662129.3	4272666.5	67.7	5.00	4.00
4.65	NO							
L0164687		0	0.12747E-03	662120.7	4272666.5	67.6	5.00	4.00
4.65	NO							
L0164688		0	0.12747E-03	662112.1	4272666.4	67.5	5.00	4.00
4.65	NO							
L0164689		0	0.12747E-03	662103.5	4272666.4	67.4	5.00	4.00
4.65	NO							
L0164690		0	0.12747E-03	662094.9	4272666.3	67.2	5.00	4.00
4.65	NO							
L0164691		0	0.12747E-03	662086.3	4272666.2	67.0	5.00	4.00
4.65	NO							
L0164692		0	0.12747E-03	662077.7	4272666.2	66.8	5.00	4.00
4.65	NO							
L0164693		0	0.12747E-03	662069.1	4272666.1	66.6	5.00	4.00
4.65	NO							
L0164694		0	0.12747E-03	662060.5	4272666.0	66.5	5.00	4.00
4.65	NO							
L0164695		0	0.12747E-03	662051.9	4272666.0	66.3	5.00	4.00
4.65	NO							
L0164696		0	0.12747E-03	662043.3	4272665.9	66.2	5.00	4.00
4.65	NO							
L0164697		0	0.12747E-03	662034.7	4272665.8	66.0	5.00	4.00
4.65	NO							
L0164698		0	0.12747E-03	662026.1	4272665.8	66.1	5.00	4.00
4.65	NO							
L0164699		0	0.12747E-03	662017.5	4272665.7	66.2	5.00	4.00
4.65	NO							
L0164700		0	0.12747E-03	662008.9	4272665.6	66.3	5.00	4.00
4.65	NO							
L0164701		0	0.12747E-03	662000.3	4272665.6	66.4	5.00	4.00
4.65	NO							
L0164702		0	0.12747E-03	661991.7	4272665.5	66.6	5.00	4.00
4.65	NO							
L0164703		0	0.12747E-03	661983.1	4272665.4	66.8	5.00	4.00
4.65	NO							
L0164704		0	0.12747E-03	661974.5	4272665.4	66.9	5.00	4.00
4.65	NO							
L0164705		0	0.12747E-03	661965.9	4272665.3	67.1	5.00	4.00
4.65	NO							
L0164706		0	0.12747E-03	661957.3	4272665.2	67.2	5.00	4.00
4.65	NO							
L0164707		0	0.12747E-03	661948.7	4272665.2	67.4	5.00	4.00

4.65	NO							
L0164708		0	0.12747E-03	661940.1	4272665.1	67.5	5.00	4.00
4.65	NO							
L0164709		0	0.12747E-03	661931.5	4272665.0	67.7	5.00	4.00
4.65	NO							
L0164710		0	0.12747E-03	661922.9	4272665.0	67.9	5.00	4.00
4.65	NO							
L0164711		0	0.12747E-03	661914.3	4272664.9	68.0	5.00	4.00
4.65	NO							
L0164712		0	0.12747E-03	661905.7	4272664.9	68.2	5.00	4.00
4.65	NO							
L0164713		0	0.12747E-03	661897.1	4272664.8	68.4	5.00	4.00
4.65	NO							
L0164714		0	0.12747E-03	661888.5	4272664.7	68.5	5.00	4.00
4.65	NO							
L0164715		0	0.12747E-03	661879.9	4272664.7	68.6	5.00	4.00
4.65	NO							
L0164716		0	0.12747E-03	661871.3	4272664.6	68.7	5.00	4.00
4.65	NO							
L0164717		0	0.12747E-03	661862.7	4272664.5	68.7	5.00	4.00
4.65	NO							
L0164718		0	0.12747E-03	661854.1	4272664.5	68.8	5.00	4.00
4.65	NO							
L0164719		0	0.12747E-03	661845.5	4272664.4	68.9	5.00	4.00

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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					

L0164720		0	0.12747E-03	661836.9	4272664.3	69.0	5.00	4.00
4.65	NO							
L0164721		0	0.12747E-03	661828.3	4272664.3	69.1	5.00	4.00
4.65	NO							
L0164722		0	0.12747E-03	661819.7	4272664.2	69.2	5.00	4.00

4.65	NO							
L0164723		0	0.12747E-03	661811.1	4272664.1	69.3	5.00	4.00
4.65	NO							
L0164724		0	0.12747E-03	661802.5	4272664.1	69.6	5.00	4.00
4.65	NO							
L0164725		0	0.12747E-03	661793.9	4272664.0	69.9	5.00	4.00
4.65	NO							
L0164726		0	0.12747E-03	661785.3	4272663.9	70.1	5.00	4.00
4.65	NO							
L0164727		0	0.12747E-03	661776.7	4272663.9	70.3	5.00	4.00
4.65	NO							
L0164728		0	0.12747E-03	661768.1	4272663.8	70.6	5.00	4.00
4.65	NO							
L0164729		0	0.12747E-03	661759.5	4272663.7	70.8	5.00	4.00
4.65	NO							
L0164730		0	0.12747E-03	661750.9	4272663.7	71.0	5.00	4.00
4.65	NO							
L0164731		0	0.12747E-03	661742.3	4272663.6	71.3	5.00	4.00
4.65	NO							
L0164732		0	0.12747E-03	661733.7	4272663.5	71.7	5.00	4.00
4.65	NO							
L0164733		0	0.12747E-03	661725.1	4272663.5	72.1	5.00	4.00
4.65	NO							
L0164734		0	0.12747E-03	661716.5	4272663.4	72.5	5.00	4.00
4.65	NO							
L0164735		0	0.12747E-03	661707.9	4272663.4	72.9	5.00	4.00
4.65	NO							
L0164736		0	0.12747E-03	661699.3	4272663.3	73.4	5.00	4.00
4.65	NO							
L0164737		0	0.12747E-03	661690.7	4272663.2	73.7	5.00	4.00
4.65	NO							
L0164738		0	0.12747E-03	661682.1	4272663.2	73.9	5.00	4.00
4.65	NO							
L0164739		0	0.12747E-03	661673.5	4272663.1	74.1	5.00	4.00
4.65	NO							
L0164740		0	0.12747E-03	661664.9	4272663.0	74.3	5.00	4.00
4.65	NO							
L0164741		0	0.12747E-03	661656.3	4272663.0	74.5	5.00	4.00
4.65	NO							
L0164742		0	0.12747E-03	661647.7	4272662.9	74.7	5.00	4.00
4.65	NO							
L0164743		0	0.12747E-03	661639.1	4272662.8	75.0	5.00	4.00
4.65	NO							
L0164744		0	0.12747E-03	661630.5	4272662.8	75.4	5.00	4.00
4.65	NO							
L0164745		0	0.12747E-03	661621.9	4272662.7	75.7	5.00	4.00
4.65	NO							
L0164746		0	0.12747E-03	661613.3	4272662.6	76.0	5.00	4.00
4.65	NO							
L0164747		0	0.12747E-03	661604.7	4272662.6	76.3	5.00	4.00

4.65	NO							
L0164748		0	0.12747E-03	661596.1	4272662.5	76.5	5.00	4.00
4.65	NO							
L0164749		0	0.12747E-03	661587.5	4272662.4	76.5	5.00	4.00
4.65	NO							
L0164750		0	0.12747E-03	661578.9	4272662.4	76.5	5.00	4.00
4.65	NO							
L0164751		0	0.12747E-03	661570.3	4272662.3	76.6	5.00	4.00
4.65	NO							
L0164752		0	0.12747E-03	661561.7	4272662.2	76.7	5.00	4.00
4.65	NO							
L0164753		0	0.12747E-03	661553.1	4272662.2	76.9	5.00	4.00
4.65	NO							
L0164754		0	0.12747E-03	661544.5	4272662.1	77.2	5.00	4.00
4.65	NO							
L0164755		0	0.12747E-03	661535.9	4272662.1	77.6	5.00	4.00
4.65	NO							
L0164756		0	0.12747E-03	661527.3	4272662.0	78.0	5.00	4.00
4.65	NO							
L0164757		0	0.12747E-03	661518.7	4272661.9	78.3	5.00	4.00
4.65	NO							
L0164758		0	0.12747E-03	661510.1	4272661.9	78.7	5.00	4.00
4.65	NO							
L0164759		0	0.12747E-03	661501.5	4272661.8	79.0	5.00	4.00

^ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0164760		0	0.12747E-03	661492.9	4272661.7	79.4	5.00	4.00
4.65	NO							
L0164761		0	0.12747E-03	661484.3	4272661.7	79.7	5.00	4.00
4.65	NO							
L0164762		0	0.12747E-03	661475.7	4272661.6	80.1	5.00	4.00

4.65	NO							
L0164763		0	0.12747E-03	661467.1	4272661.5	80.5	5.00	4.00
4.65	NO							
L0164764		0	0.12747E-03	661458.5	4272661.5	80.9	5.00	4.00
4.65	NO							
L0164765		0	0.12747E-03	661449.9	4272661.4	81.3	5.00	4.00
4.65	NO							
L0164766		0	0.12747E-03	661441.3	4272661.3	81.6	5.00	4.00
4.65	NO							
L0164767		0	0.12747E-03	661432.7	4272661.3	81.9	5.00	4.00
4.65	NO							
L0164768		0	0.12747E-03	661430.5	4272655.3	82.0	5.00	4.00
4.65	NO							
L0164769		0	0.12747E-03	661431.0	4272646.8	81.9	5.00	4.00
4.65	NO							
L0164770		0	0.12747E-03	661431.6	4272638.2	81.4	5.00	4.00
4.65	NO							
L0164771		0	0.12747E-03	661432.2	4272629.6	81.0	5.00	4.00
4.65	NO							
L0164772		0	0.12747E-03	661432.8	4272621.0	80.5	5.00	4.00
4.65	NO							
L0164773		0	0.12747E-03	661433.4	4272612.4	80.1	5.00	4.00
4.65	NO							
L0164774		0	0.12747E-03	661434.0	4272603.9	79.8	5.00	4.00
4.65	NO							
L0164775		0	0.12747E-03	661434.6	4272595.3	79.5	5.00	4.00
4.65	NO							
L0164776		0	0.12747E-03	661435.2	4272586.7	79.1	5.00	4.00
4.65	NO							
L0164777		0	0.12747E-03	661435.8	4272578.1	78.8	5.00	4.00
4.65	NO							
L0164778		0	0.12747E-03	661436.4	4272569.5	78.4	5.00	4.00
4.65	NO							
L0164779		0	0.12747E-03	661437.0	4272561.0	78.0	5.00	4.00
4.65	NO							
L0164780		0	0.12747E-03	661437.6	4272552.4	77.5	5.00	4.00
4.65	NO							
L0164781		0	0.12747E-03	661438.1	4272543.8	77.1	5.00	4.00
4.65	NO							
L0164782		0	0.12747E-03	661438.7	4272535.2	76.6	5.00	4.00
4.65	NO							
L0164783		0	0.12747E-03	661439.3	4272526.6	76.1	5.00	4.00
4.65	NO							
L0164784		0	0.12747E-03	661439.9	4272518.1	75.6	5.00	4.00
4.65	NO							
L0164785		0	0.12747E-03	661440.5	4272509.5	75.1	5.00	4.00
4.65	NO							
L0164786		0	0.12747E-03	661441.1	4272500.9	74.5	5.00	4.00
4.65	NO							
L0164787		0	0.12747E-03	661441.7	4272492.3	74.0	5.00	4.00

4.65	NO							
L0164788		0	0.12747E-03	661442.3	4272483.7	73.7	5.00	4.00
4.65	NO							
L0164789		0	0.12747E-03	661442.9	4272475.2	73.4	5.00	4.00
4.65	NO							
L0164790		0	0.12747E-03	661446.8	4272470.1	73.2	5.00	4.00
4.65	NO							
L0164791		0	0.12747E-03	661455.4	4272469.9	73.0	5.00	4.00
4.65	NO							
L0164792		0	0.12747E-03	661464.0	4272469.8	72.9	5.00	4.00
4.65	NO							
L0164793		0	0.12747E-03	661472.6	4272469.7	72.8	5.00	4.00
4.65	NO							
L0164794		0	0.12747E-03	661481.2	4272469.6	72.7	5.00	4.00
4.65	NO							
L0164795		0	0.12747E-03	661489.8	4272469.4	72.9	5.00	4.00
4.65	NO							
L0164796		0	0.12747E-03	661498.4	4272469.3	73.2	5.00	4.00
4.65	NO							
L0164797		0	0.12747E-03	661507.0	4272469.2	73.4	5.00	4.00
4.65	NO							
L0164798		0	0.12747E-03	661515.6	4272469.0	73.6	5.00	4.00
4.65	NO							
L0164799		0	0.12747E-03	661524.2	4272468.9	73.8	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0164800		0	0.12747E-03	661532.8	4272468.8	74.0	5.00	4.00
4.65	NO							
L0164801		0	0.12747E-03	661541.4	4272468.7	74.1	5.00	4.00
4.65	NO							
L0164802		0	0.12747E-03	661550.0	4272468.5	74.2	5.00	4.00



4.65	NO							
L0164803		0	0.12747E-03	661558.6	4272468.4	74.4	5.00	4.00
4.65	NO							
L0164804		0	0.12747E-03	661567.2	4272468.3	74.7	5.00	4.00
4.65	NO							
L0164805		0	0.12747E-03	661575.8	4272468.1	74.9	5.00	4.00
4.65	NO							
L0164806		0	0.12747E-03	661584.4	4272468.0	75.3	5.00	4.00
4.65	NO							
L0164807		0	0.12747E-03	661593.0	4272467.9	75.6	5.00	4.00
4.65	NO							
L0164808		0	0.12747E-03	661601.5	4272467.8	75.9	5.00	4.00
4.65	NO							
L0164809		0	0.12747E-03	661610.1	4272467.6	76.1	5.00	4.00
4.65	NO							
L0164810		0	0.12747E-03	661618.7	4272467.5	76.2	5.00	4.00
4.65	NO							
L0164811		0	0.12747E-03	661627.3	4272467.4	76.2	5.00	4.00
4.65	NO							
L0164812		0	0.12747E-03	661635.9	4272467.2	76.0	5.00	4.00
4.65	NO							
L0164813		0	0.12747E-03	661644.5	4272467.1	75.7	5.00	4.00
4.65	NO							
L0164814		0	0.12747E-03	661653.1	4272467.0	75.5	5.00	4.00
4.65	NO							
L0164815		0	0.12747E-03	661661.7	4272466.9	75.2	5.00	4.00
4.65	NO							
L0164816		0	0.12747E-03	661670.3	4272466.7	74.9	5.00	4.00
4.65	NO							
L0164817		0	0.12747E-03	661678.9	4272466.6	74.6	5.00	4.00
4.65	NO							
L0164818		0	0.12747E-03	661687.5	4272466.5	74.3	5.00	4.00
4.65	NO							
L0164819		0	0.12747E-03	661696.1	4272466.3	74.0	5.00	4.00
4.65	NO							
L0164820		0	0.12747E-03	661704.7	4272466.2	73.5	5.00	4.00
4.65	NO							
L0164821		0	0.12747E-03	661713.3	4272466.1	73.1	5.00	4.00
4.65	NO							
L0164822		0	0.12747E-03	661721.9	4272466.0	72.7	5.00	4.00
4.65	NO							
L0164823		0	0.12747E-03	661730.5	4272465.8	72.2	5.00	4.00
4.65	NO							
L0164824		0	0.12747E-03	661739.1	4272465.7	71.8	5.00	4.00
4.65	NO							
L0164825		0	0.12747E-03	661747.7	4272465.6	71.3	5.00	4.00
4.65	NO							
L0164826		0	0.12747E-03	661756.3	4272465.4	71.1	5.00	4.00
4.65	NO							
L0164827		0	0.12747E-03	661764.9	4272465.3	70.9	5.00	4.00

4.65	NO							
L0164828		0	0.12747E-03	661773.5	4272465.2	70.7	5.00	4.00
4.65	NO							
L0164829		0	0.12747E-03	661782.1	4272465.1	70.7	5.00	4.00
4.65	NO							
L0164830		0	0.12747E-03	661790.7	4272464.9	70.7	5.00	4.00
4.65	NO							
L0164831		0	0.12747E-03	661799.3	4272464.8	70.6	5.00	4.00
4.65	NO							
L0164832		0	0.12747E-03	661807.9	4272464.7	70.3	5.00	4.00
4.65	NO							
L0164833		0	0.12747E-03	661816.5	4272464.5	70.1	5.00	4.00
4.65	NO							
L0164834		0	0.12747E-03	661825.1	4272464.4	69.9	5.00	4.00
4.65	NO							
L0164835		0	0.12747E-03	661833.7	4272464.3	69.8	5.00	4.00
4.65	NO							
L0164836		0	0.12747E-03	661842.3	4272464.2	69.6	5.00	4.00
4.65	NO							
L0164837		0	0.12747E-03	661850.9	4272464.0	69.5	5.00	4.00
4.65	NO							
L0164838		0	0.12747E-03	661859.5	4272463.9	69.3	5.00	4.00
4.65	NO							
L0164839		0	0.12747E-03	661868.1	4272463.8	69.2	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0164840		0	0.12747E-03	661876.7	4272463.6	68.8	5.00	4.00
4.65	NO							
L0164841		0	0.12747E-03	661884.8	4272463.0	68.4	5.00	4.00
4.65	NO							
L0164842		0	0.12747E-03	661885.5	4272454.4	68.1	5.00	4.00

4.65	NO							
L0164843		0	0.12747E-03	661886.2	4272445.9	67.9	5.00	4.00
4.65	NO							
L0164844		0	0.12747E-03	661886.9	4272437.3	67.6	5.00	4.00
4.65	NO							
L0164845		0	0.12747E-03	661887.6	4272428.7	67.5	5.00	4.00
4.65	NO							
L0164846		0	0.12747E-03	661888.2	4272420.2	67.4	5.00	4.00
4.65	NO							
L0164847		0	0.12747E-03	661888.9	4272411.6	67.3	5.00	4.00
4.65	NO							
L0164848		0	0.12747E-03	661889.6	4272403.0	67.3	5.00	4.00
4.65	NO							
L0164849		0	0.12747E-03	661890.3	4272394.4	67.3	5.00	4.00
4.65	NO							
L0164850		0	0.12747E-03	661890.9	4272385.9	67.3	5.00	4.00
4.65	NO							
L0164851		0	0.12747E-03	661891.6	4272377.3	67.2	5.00	4.00
4.65	NO							
L0164852		0	0.12747E-03	661892.3	4272368.7	67.2	5.00	4.00
4.65	NO							
L0164853		0	0.12747E-03	661893.0	4272360.1	67.2	5.00	4.00
4.65	NO							
L0164854		0	0.12747E-03	661893.6	4272351.6	67.1	5.00	4.00
4.65	NO							
L0164855		0	0.12747E-03	661894.3	4272343.0	67.2	5.00	4.00
4.65	NO							
L0164856		0	0.12747E-03	661895.0	4272334.4	67.4	5.00	4.00
4.65	NO							
L0164857		0	0.12747E-03	661895.7	4272325.8	67.5	5.00	4.00
4.65	NO							
L0164858		0	0.12747E-03	661896.4	4272317.3	67.7	5.00	4.00
4.65	NO							
L0164859		0	0.12747E-03	661897.0	4272308.7	68.0	5.00	4.00
4.65	NO							
L0164860		0	0.12747E-03	661897.7	4272300.1	68.3	5.00	4.00
4.65	NO							
L0164861		0	0.12747E-03	661898.4	4272291.6	68.6	5.00	4.00
4.65	NO							
L0164862		0	0.12747E-03	661899.1	4272283.0	68.9	5.00	4.00
4.65	NO							
L0164863		0	0.12747E-03	661899.7	4272274.4	69.2	5.00	4.00
4.65	NO							
L0164864		0	0.12747E-03	661900.4	4272265.8	69.5	5.00	4.00
4.65	NO							
L0164865		0	0.12747E-03	661901.1	4272257.3	69.8	5.00	4.00
4.65	NO							
L0164866		0	0.12747E-03	661901.8	4272248.7	70.1	5.00	4.00
4.65	NO							
L0164867		0	0.12747E-03	661902.4	4272240.1	70.5	5.00	4.00

4.65	NO							
L0164868		0	0.12747E-03	661903.1	4272231.5	70.9	5.00	4.00
4.65	NO							
L0164869		0	0.12747E-03	661903.8	4272223.0	71.4	5.00	4.00
4.65	NO							
L0164870		0	0.12747E-03	661904.5	4272214.4	72.0	5.00	4.00
4.65	NO							
L0164871		0	0.12747E-03	661905.2	4272205.8	72.6	5.00	4.00
4.65	NO							
L0164872		0	0.12747E-03	661905.8	4272197.2	73.2	5.00	4.00
4.65	NO							
L0164873		0	0.12747E-03	661906.5	4272188.7	74.0	5.00	4.00
4.65	NO							
L0164874		0	0.12747E-03	661907.2	4272180.1	75.0	5.00	4.00
4.65	NO							
L0164875		0	0.12747E-03	661907.9	4272171.5	75.9	5.00	4.00
4.65	NO							
L0164876		0	0.12747E-03	661908.5	4272163.0	76.9	5.00	4.00
4.65	NO							
L0164877		0	0.12747E-03	661909.2	4272154.4	78.3	5.00	4.00
4.65	NO							
L0164878		0	0.12747E-03	661909.9	4272145.8	79.6	5.00	4.00
4.65	NO							
L0164879		0	0.12747E-03	661910.6	4272137.2	80.9	5.00	4.00

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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								(METERS)

L0164880		0	0.12747E-03	661911.2	4272128.7	82.4	5.00	4.00
4.65	NO							
L0164881		0	0.12747E-03	661911.9	4272120.1	84.0	5.00	4.00
4.65	NO							
L0164882		0	0.12747E-03	661912.6	4272111.5	85.7	5.00	4.00

4.65	NO							
L0164883		0	0.12747E-03	661913.3	4272102.9	87.4	5.00	4.00
4.65	NO							
L0164884		0	0.12747E-03	661914.0	4272094.4	88.5	5.00	4.00
4.65	NO							
L0164885		0	0.12747E-03	661914.6	4272085.8	89.6	5.00	4.00
4.65	NO							
L0164886		0	0.12747E-03	661915.3	4272077.2	90.6	5.00	4.00
4.65	NO							
L0164887		0	0.12747E-03	661916.0	4272068.6	91.4	5.00	4.00
4.65	NO							
L0164888		0	0.12747E-03	661916.7	4272060.1	91.5	5.00	4.00
4.65	NO							
L0164889		0	0.12747E-03	661917.3	4272051.5	91.5	5.00	4.00
4.65	NO							
L0164890		0	0.12747E-03	661918.0	4272042.9	91.6	5.00	4.00
4.65	NO							
L0164891		0	0.12747E-03	661918.7	4272034.4	91.4	5.00	4.00
4.65	NO							
L0164892		0	0.12747E-03	661919.4	4272025.8	91.0	5.00	4.00
4.65	NO							
L0164893		0	0.12747E-03	661920.0	4272017.2	90.7	5.00	4.00
4.65	NO							
L0164894		0	0.12747E-03	661920.7	4272008.6	90.4	5.00	4.00
4.65	NO							
L0164895		0	0.12747E-03	661921.4	4272000.1	90.2	5.00	4.00
4.65	NO							
L0164896		0	0.12747E-03	661922.1	4271991.5	90.0	5.00	4.00
4.65	NO							
L0164897		0	0.12747E-03	661922.8	4271982.9	89.8	5.00	4.00
4.65	NO							
L0164898		0	0.12747E-03	661923.4	4271974.3	89.7	5.00	4.00
4.65	NO							
L0164899		0	0.12747E-03	661924.1	4271965.8	89.7	5.00	4.00
4.65	NO							
L0164900		0	0.12747E-03	661924.8	4271957.2	89.7	5.00	4.00
4.65	NO							
L0164901		0	0.12747E-03	661925.5	4271948.6	89.7	5.00	4.00
4.65	NO							
L0164902		0	0.12747E-03	661926.1	4271940.0	89.3	5.00	4.00
4.65	NO							
L0164903		0	0.12747E-03	661926.8	4271931.5	89.0	5.00	4.00
4.65	NO							
L0164904		0	0.12747E-03	661927.5	4271922.9	88.6	5.00	4.00
4.65	NO							
L0164905		0	0.12747E-03	661928.2	4271914.3	88.4	5.00	4.00
4.65	NO							
L0164906		0	0.12747E-03	661928.8	4271905.8	88.2	5.00	4.00
4.65	NO							
L0164907		0	0.12747E-03	661929.5	4271897.2	88.1	5.00	4.00

4.65	NO							
L0164908		0	0.12747E-03	661930.2	4271888.6	87.9	5.00	4.00
4.65	NO							
L0164909		0	0.12747E-03	661930.9	4271880.0	87.6	5.00	4.00
4.65	NO							
L0164910		0	0.12747E-03	661931.5	4271871.5	87.3	5.00	4.00
4.65	NO							
L0164911		0	0.12747E-03	661932.2	4271862.9	87.0	5.00	4.00
4.65	NO							
L0164912		0	0.12747E-03	661932.9	4271854.3	86.6	5.00	4.00
4.65	NO							
L0164913		0	0.12747E-03	661933.6	4271845.7	86.2	5.00	4.00
4.65	NO							
L0164914		0	0.12747E-03	661934.3	4271837.2	85.8	5.00	4.00
4.65	NO							
L0164915		0	0.12747E-03	661934.9	4271828.6	85.4	5.00	4.00
4.65	NO							
L0164916		0	0.12747E-03	661935.6	4271820.0	85.3	5.00	4.00
4.65	NO							
L0164917		0	0.12747E-03	661936.3	4271811.4	85.5	5.00	4.00
4.65	NO							
L0164918		0	0.12747E-03	661937.0	4271802.9	85.7	5.00	4.00
4.65	NO							
L0164919		0	0.12747E-03	661937.6	4271794.3	85.9	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					

L0164920		0	0.12747E-03	661938.3	4271785.7	85.9	5.00	4.00
4.65	NO							
L0164921		0	0.12747E-03	661939.0	4271777.2	85.9	5.00	4.00
4.65	NO							
L0164922		0	0.12747E-03	661939.7	4271768.6	85.9	5.00	4.00

4.65	NO							
L0164923		0	0.12747E-03	661940.3	4271760.0	85.6	5.00	4.00
4.65	NO							
L0164924		0	0.12747E-03	661941.0	4271751.4	84.6	5.00	4.00
4.65	NO							
L0164925		0	0.12747E-03	661941.7	4271742.9	83.6	5.00	4.00
4.65	NO							
L0164926		0	0.12747E-03	661942.4	4271734.3	82.6	5.00	4.00
4.65	NO							
L0164927		0	0.12747E-03	661943.1	4271725.7	81.2	5.00	4.00
4.65	NO							
L0164928		0	0.12747E-03	661943.7	4271717.1	79.6	5.00	4.00
4.65	NO							
L0164929		0	0.12747E-03	661947.8	4271712.2	78.9	5.00	4.00
4.65	NO							
L0164930		0	0.12747E-03	661956.4	4271712.4	79.5	5.00	4.00
4.65	NO							
L0164931		0	0.12747E-03	661965.0	4271712.5	79.6	5.00	4.00
4.65	NO							
L0164932		0	0.12747E-03	661973.5	4271712.7	79.8	5.00	4.00
4.65	NO							
L0164933		0	0.12747E-03	661982.1	4271712.8	79.8	5.00	4.00
4.65	NO							
L0164934		0	0.12747E-03	661990.7	4271712.9	79.5	5.00	4.00
4.65	NO							
L0164935		0	0.12747E-03	661999.3	4271713.1	79.2	5.00	4.00
4.65	NO							
L0164936		0	0.12747E-03	662007.9	4271713.2	78.7	5.00	4.00
4.65	NO							
L0164937		0	0.12747E-03	662016.5	4271713.3	78.1	5.00	4.00
4.65	NO							
L0164938		0	0.12747E-03	662025.1	4271713.5	77.4	5.00	4.00
4.65	NO							
L0164939		0	0.12747E-03	662033.7	4271713.6	76.6	5.00	4.00
4.65	NO							
L0164940		0	0.12747E-03	662042.3	4271713.7	75.6	5.00	4.00
4.65	NO							
L0164941		0	0.12747E-03	662050.9	4271713.9	74.7	5.00	4.00
4.65	NO							
L0164942		0	0.12747E-03	662059.5	4271714.0	73.7	5.00	4.00
4.65	NO							
L0164943		0	0.12747E-03	662068.1	4271714.2	72.6	5.00	4.00
4.65	NO							
L0164944		0	0.12747E-03	662076.7	4271714.3	71.5	5.00	4.00
4.65	NO							
L0164945		0	0.12747E-03	662085.3	4271714.4	70.8	5.00	4.00
4.65	NO							
L0164946		0	0.12747E-03	662093.9	4271714.6	70.0	5.00	4.00
4.65	NO							
L0164947		0	0.12747E-03	662102.5	4271714.7	69.2	5.00	4.00

4.65	NO							
L0164948		0	0.12747E-03	662111.1	4271714.8	68.7	5.00	4.00
4.65	NO							
L0164949		0	0.12747E-03	662119.7	4271715.0	68.1	5.00	4.00
4.65	NO							
L0164950		0	0.12747E-03	662128.3	4271715.1	67.6	5.00	4.00
4.65	NO							
L0164951		0	0.12747E-03	662136.9	4271715.2	67.1	5.00	4.00
4.65	NO							
L0164952		0	0.12747E-03	662145.5	4271715.4	66.7	5.00	4.00
4.65	NO							
L0164953		0	0.12747E-03	662154.1	4271715.5	66.3	5.00	4.00
4.65	NO							
L0164954		0	0.12747E-03	662162.7	4271715.7	65.9	5.00	4.00
4.65	NO							
L0164955		0	0.12747E-03	662171.3	4271715.8	65.5	5.00	4.00
4.65	NO							
L0164956		0	0.12747E-03	662179.9	4271715.9	65.2	5.00	4.00
4.65	NO							
L0164957		0	0.12747E-03	662188.5	4271716.1	64.9	5.00	4.00
4.65	NO							
L0164958		0	0.12747E-03	662197.1	4271716.2	64.6	5.00	4.00
4.65	NO							
L0164959		0	0.12747E-03	662205.7	4271716.3	64.3	5.00	4.00

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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0164960		0	0.12747E-03	662214.3	4271716.5	64.1	5.00	4.00
4.65	NO							
L0164961		0	0.12747E-03	662222.9	4271716.6	63.8	5.00	4.00
4.65	NO							
L0164962		0	0.12747E-03	662231.5	4271716.7	63.7	5.00	4.00



4.65	NO							
L0164963		0	0.12747E-03	662240.1	4271716.9	63.5	5.00	4.00
4.65	NO							
L0164964		0	0.12747E-03	662248.7	4271717.0	63.3	5.00	4.00
4.65	NO							
L0164965		0	0.12747E-03	662257.3	4271717.2	63.1	5.00	4.00
4.65	NO							
L0164966		0	0.12747E-03	662265.9	4271717.3	62.9	5.00	4.00
4.65	NO							
L0164967		0	0.12747E-03	662274.5	4271717.4	62.7	5.00	4.00
4.65	NO							
L0164968		0	0.12747E-03	662283.1	4271717.6	62.4	5.00	4.00
4.65	NO							
L0164969		0	0.12747E-03	662291.7	4271717.7	62.1	5.00	4.00
4.65	NO							
L0164970		0	0.12747E-03	662300.3	4271717.8	61.9	5.00	4.00
4.65	NO							
L0164971		0	0.12747E-03	662308.9	4271718.0	61.7	5.00	4.00
4.65	NO							
L0164972		0	0.12747E-03	662317.5	4271718.1	61.5	5.00	4.00
4.65	NO							
L0164973		0	0.12747E-03	662326.1	4271718.2	61.4	5.00	4.00
4.65	NO							
L0164974		0	0.12747E-03	662334.7	4271718.4	61.2	5.00	4.00
4.65	NO							
L0164975		0	0.12747E-03	662343.3	4271718.5	61.1	5.00	4.00
4.65	NO							
L0164976		0	0.12747E-03	662351.9	4271718.7	60.9	5.00	4.00
4.65	NO							
L0164977		0	0.12747E-03	662359.3	4271717.6	60.8	5.00	4.00
4.65	NO							
L0164978		0	0.12747E-03	662359.3	4271709.0	60.7	5.00	4.00
4.65	NO							
L0164979		0	0.12747E-03	662359.3	4271700.4	60.6	5.00	4.00
4.65	NO							
L0164980		0	0.12747E-03	662359.2	4271691.8	60.5	5.00	4.00
4.65	NO							
L0164981		0	0.12747E-03	662359.2	4271683.2	60.4	5.00	4.00
4.65	NO							
L0164982		0	0.12747E-03	662359.2	4271674.6	60.3	5.00	4.00
4.65	NO							
L0164983		0	0.12747E-03	662359.1	4271666.0	60.1	5.00	4.00
4.65	NO							
L0164984		0	0.12747E-03	662359.1	4271657.4	59.9	5.00	4.00
4.65	NO							
L0164985		0	0.12747E-03	662359.0	4271648.8	59.8	5.00	4.00
4.65	NO							
L0164986		0	0.12747E-03	662359.0	4271640.2	59.7	5.00	4.00
4.65	NO							
L0164987		0	0.12747E-03	662359.0	4271631.6	59.6	5.00	4.00

4.65	NO							
L0164988		0	0.12747E-03	662358.9	4271623.0	59.5	5.00	4.00
4.65	NO							
L0164989		0	0.12747E-03	662358.9	4271614.4	59.4	5.00	4.00
4.65	NO							
L0164990		0	0.12747E-03	662358.9	4271605.8	59.3	5.00	4.00
4.65	NO							
L0164991		0	0.12747E-03	662358.8	4271597.2	59.3	5.00	4.00
4.65	NO							
L0164992		0	0.12747E-03	662358.8	4271588.6	59.2	5.00	4.00
4.65	NO							
L0164993		0	0.12747E-03	662358.8	4271580.0	59.1	5.00	4.00
4.65	NO							
L0164994		0	0.12747E-03	662358.7	4271571.4	59.1	5.00	4.00
4.65	NO							
L0164995		0	0.12747E-03	662358.7	4271562.8	59.0	5.00	4.00
4.65	NO							
L0164996		0	0.12747E-03	662358.7	4271554.2	59.0	5.00	4.00
4.65	NO							
L0164997		0	0.12747E-03	662358.6	4271545.6	59.0	5.00	4.00
4.65	NO							
L0164998		0	0.12747E-03	662358.6	4271537.0	58.9	5.00	4.00
4.65	NO							
L0164999		0	0.12747E-03	662358.5	4271528.4	58.9	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0165000		0	0.12747E-03	662358.5	4271519.8	58.8	5.00	4.00
4.65	NO							
L0165001		0	0.12747E-03	662358.5	4271511.2	58.8	5.00	4.00
4.65	NO							
L0165002		0	0.12747E-03	662358.4	4271502.6	58.8	5.00	4.00

4.65	NO							
L0165003		0	0.12747E-03	662358.4	4271494.0	58.7	5.00	4.00
4.65	NO							
L0165004		0	0.12747E-03	662358.4	4271485.4	58.6	5.00	4.00
4.65	NO							
L0165005		0	0.12747E-03	662358.3	4271476.8	58.5	5.00	4.00
4.65	NO							
L0165006		0	0.12747E-03	662358.3	4271468.2	58.4	5.00	4.00
4.65	NO							
L0165007		0	0.12747E-03	662358.3	4271459.6	58.3	5.00	4.00
4.65	NO							
L0165008		0	0.12747E-03	662358.2	4271451.0	58.1	5.00	4.00
4.65	NO							
L0165009		0	0.12747E-03	662358.2	4271442.4	58.0	5.00	4.00
4.65	NO							
L0165010		0	0.12747E-03	662358.2	4271433.8	57.8	5.00	4.00
4.65	NO							
L0165011		0	0.12747E-03	662358.1	4271425.2	57.9	5.00	4.00
4.65	NO							
L0165012		0	0.12747E-03	662358.1	4271416.6	58.0	5.00	4.00
4.65	NO							
L0165013		0	0.12747E-03	662358.1	4271408.0	58.1	5.00	4.00
4.65	NO							
L0165014		0	0.12747E-03	662358.0	4271399.4	58.2	5.00	4.00
4.65	NO							
L0165015		0	0.12747E-03	662358.0	4271390.8	58.4	5.00	4.00
4.65	NO							
L0165016		0	0.12747E-03	662357.9	4271382.2	58.5	5.00	4.00
4.65	NO							
L0165017		0	0.12747E-03	662357.9	4271373.6	58.6	5.00	4.00
4.65	NO							
L0165018		0	0.12747E-03	662357.9	4271365.0	58.7	5.00	4.00
4.65	NO							
L0165019		0	0.12747E-03	662357.8	4271356.4	58.8	5.00	4.00
4.65	NO							
L0165020		0	0.12747E-03	662357.8	4271347.8	58.8	5.00	4.00
4.65	NO							
L0165021		0	0.12747E-03	662357.8	4271339.2	58.9	5.00	4.00
4.65	NO							
L0165022		0	0.12747E-03	662357.7	4271330.6	58.8	5.00	4.00
4.65	NO							
L0165023		0	0.12747E-03	662357.7	4271322.0	58.8	5.00	4.00
4.65	NO							
L0165024		0	0.12747E-03	662357.7	4271313.4	58.8	5.00	4.00
4.65	NO							
L0165025		0	0.12747E-03	662357.6	4271304.8	58.7	5.00	4.00
4.65	NO							
L0165026		0	0.12747E-03	662357.6	4271296.2	58.7	5.00	4.00
4.65	NO							
L0165027		0	0.12747E-03	662357.6	4271287.6	58.6	5.00	4.00

4.65	NO							
L0165028		0	0.12747E-03	662357.5	4271279.0	58.6	5.00	4.00
4.65	NO							
L0165029		0	0.12747E-03	662357.5	4271270.4	58.5	5.00	4.00
4.65	NO							
L0165030		0	0.12747E-03	662357.4	4271261.8	58.5	5.00	4.00
4.65	NO							
L0165031		0	0.12747E-03	662357.4	4271253.2	58.4	5.00	4.00
4.65	NO							
L0165032		0	0.12747E-03	662357.4	4271244.6	58.4	5.00	4.00
4.65	NO							
L0165033		0	0.12747E-03	662357.3	4271236.0	58.3	5.00	4.00
4.65	NO							
L0165034		0	0.12747E-03	662357.3	4271227.4	58.3	5.00	4.00
4.65	NO							
L0165035		0	0.12747E-03	662357.3	4271218.8	58.3	5.00	4.00
4.65	NO							
L0165036		0	0.12747E-03	662357.2	4271210.2	58.3	5.00	4.00
4.65	NO							
L0165037		0	0.12747E-03	662357.2	4271201.6	58.3	5.00	4.00
4.65	NO							
L0165038		0	0.12747E-03	662357.2	4271193.0	58.3	5.00	4.00
4.65	NO							
L0165039		0	0.12747E-03	662357.1	4271184.4	58.3	5.00	4.00

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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0165040		0	0.12747E-03	662357.1	4271175.8	58.3	5.00	4.00
4.65	NO							
L0165041		0	0.12747E-03	662357.1	4271167.2	58.3	5.00	4.00
4.65	NO							
L0165042		0	0.12747E-03	662357.0	4271158.6	58.3	5.00	4.00

4.65	NO							
L0165043		0	0.12747E-03	662357.0	4271150.0	58.3	5.00	4.00
4.65	NO							
L0165044		0	0.12747E-03	662356.9	4271141.4	58.3	5.00	4.00
4.65	NO							
L0165045		0	0.12747E-03	662356.9	4271132.8	58.2	5.00	4.00
4.65	NO							
L0165046		0	0.12747E-03	662356.9	4271124.2	58.2	5.00	4.00
4.65	NO							
L0165047		0	0.12747E-03	662356.8	4271115.6	58.1	5.00	4.00
4.65	NO							
L0165048		0	0.12747E-03	662356.8	4271107.0	58.0	5.00	4.00
4.65	NO							
L0165049		0	0.12747E-03	662356.8	4271098.4	57.9	5.00	4.00
4.65	NO							
L0165050		0	0.12747E-03	662356.7	4271089.8	57.8	5.00	4.00
4.65	NO							
L0165051		0	0.12747E-03	662356.7	4271081.2	57.7	5.00	4.00
4.65	NO							
L0165052		0	0.12747E-03	662356.7	4271072.6	57.6	5.00	4.00
4.65	NO							
L0165053		0	0.12747E-03	662356.6	4271064.0	57.4	5.00	4.00
4.65	NO							
L0165054		0	0.12747E-03	662356.6	4271055.4	57.4	5.00	4.00
4.65	NO							
L0165055		0	0.12747E-03	662356.6	4271046.8	57.3	5.00	4.00
4.65	NO							
L0165056		0	0.12747E-03	662356.5	4271038.2	57.3	5.00	4.00
4.65	NO							
L0165057		0	0.12747E-03	662356.5	4271029.6	57.2	5.00	4.00
4.65	NO							
L0165058		0	0.12747E-03	662356.4	4271021.0	57.1	5.00	4.00
4.65	NO							
L0165059		0	0.12747E-03	662356.4	4271012.4	57.1	5.00	4.00
4.65	NO							
L0165060		0	0.12747E-03	662356.4	4271003.8	57.0	5.00	4.00
4.65	NO							
L0165061		0	0.12747E-03	662356.3	4270995.2	56.9	5.00	4.00
4.65	NO							
L0165062		0	0.12747E-03	662356.3	4270986.6	56.8	5.00	4.00
4.65	NO							
L0165063		0	0.12747E-03	662356.3	4270978.0	56.7	5.00	4.00
4.65	NO							
L0165064		0	0.12747E-03	662356.2	4270969.4	56.6	5.00	4.00
4.65	NO							
L0165065		0	0.12747E-03	662356.2	4270960.8	56.7	5.00	4.00
4.65	NO							
L0165066		0	0.12747E-03	662356.2	4270952.2	56.7	5.00	4.00
4.65	NO							
L0165067		0	0.12747E-03	662356.1	4270943.6	56.8	5.00	4.00

4.65	NO							
L0165068		0	0.12747E-03	662356.1	4270935.0	56.8	5.00	4.00
4.65	NO							
L0165069		0	0.12747E-03	662356.1	4270926.4	56.8	5.00	4.00
4.65	NO							
L0165070		0	0.12747E-03	662356.0	4270917.8	56.8	5.00	4.00
4.65	NO							
L0165071		0	0.12747E-03	662356.0	4270909.2	56.8	5.00	4.00
4.65	NO							
L0165072		0	0.12747E-03	662355.9	4270900.6	56.7	5.00	4.00
4.65	NO							
L0165073		0	0.12747E-03	662355.9	4270892.0	56.7	5.00	4.00
4.65	NO							
L0165074		0	0.12747E-03	662355.9	4270883.4	56.6	5.00	4.00
4.65	NO							
L0165075		0	0.12747E-03	662355.8	4270874.8	56.6	5.00	4.00
4.65	NO							
L0165076		0	0.12747E-03	662355.8	4270866.2	56.5	5.00	4.00
4.65	NO							
L0165077		0	0.12747E-03	662355.8	4270857.6	56.5	5.00	4.00
4.65	NO							
L0165078		0	0.12747E-03	662355.7	4270849.0	56.4	5.00	4.00
4.65	NO							
L0165079		0	0.12747E-03	662355.7	4270840.4	56.4	5.00	4.00

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 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0165080		0	0.12747E-03	662355.7	4270831.8	56.4	5.00	4.00
4.65	NO							
L0165081		0	0.12747E-03	662355.6	4270823.2	56.4	5.00	4.00
4.65	NO							
L0165082		0	0.12747E-03	662355.6	4270814.6	56.4	5.00	4.00

4.65	NO							
L0165083		0	0.12747E-03	662355.6	4270806.0	56.4	5.00	4.00
4.65	NO							
L0165084		0	0.12747E-03	662355.5	4270797.4	56.3	5.00	4.00
4.65	NO							
L0165085		0	0.12747E-03	662355.5	4270788.8	56.3	5.00	4.00
4.65	NO							
L0165086		0	0.12747E-03	662355.4	4270780.2	56.3	5.00	4.00
4.65	NO							
L0165087		0	0.12747E-03	662355.4	4270771.6	56.2	5.00	4.00
4.65	NO							
L0165088		0	0.12747E-03	662355.4	4270763.0	56.2	5.00	4.00
4.65	NO							
L0165089		0	0.12747E-03	662355.3	4270754.4	56.1	5.00	4.00
4.65	NO							
L0165090		0	0.12747E-03	662355.3	4270745.8	56.1	5.00	4.00
4.65	NO							
L0165091		0	0.12747E-03	662355.3	4270737.2	56.0	5.00	4.00
4.65	NO							
L0165092		0	0.12747E-03	662355.2	4270728.6	56.0	5.00	4.00
4.65	NO							
L0165093		0	0.12747E-03	662355.2	4270720.0	55.9	5.00	4.00
4.65	NO							
L0165094		0	0.12747E-03	662355.2	4270711.4	55.9	5.00	4.00
4.65	NO							
L0165095		0	0.12747E-03	662355.1	4270702.8	56.0	5.00	4.00
4.65	NO							
L0165096		0	0.12747E-03	662355.1	4270694.2	56.0	5.00	4.00
4.65	NO							
L0165097		0	0.12747E-03	662355.1	4270685.6	55.9	5.00	4.00
4.65	NO							
L0165098		0	0.12747E-03	662355.0	4270677.0	55.9	5.00	4.00
4.65	NO							
L0165099		0	0.12747E-03	662355.0	4270668.4	55.9	5.00	4.00
4.65	NO							
L0165100		0	0.12747E-03	662354.9	4270659.8	55.8	5.00	4.00
4.65	NO							
L0165101		0	0.12747E-03	662354.9	4270651.2	55.8	5.00	4.00
4.65	NO							
L0165102		0	0.12747E-03	662354.9	4270642.6	55.8	5.00	4.00
4.65	NO							
L0165103		0	0.12747E-03	662354.8	4270634.0	55.7	5.00	4.00
4.65	NO							
L0165104		0	0.12747E-03	662354.8	4270625.4	55.7	5.00	4.00
4.65	NO							
L0165105		0	0.12747E-03	662354.8	4270616.8	55.7	5.00	4.00
4.65	NO							
L0165106		0	0.12747E-03	662354.7	4270608.2	55.6	5.00	4.00
4.65	NO							
L0165107		0	0.12747E-03	662354.7	4270599.6	55.6	5.00	4.00

4.65	NO							
L0165108		0	0.12747E-03	662354.7	4270591.0	55.5	5.00	4.00
4.65	NO							
L0165109		0	0.12747E-03	662354.6	4270582.4	55.5	5.00	4.00
4.65	NO							
L0165110		0	0.12747E-03	662354.6	4270573.8	55.5	5.00	4.00
4.65	NO							
L0165111		0	0.12747E-03	662354.6	4270565.2	55.4	5.00	4.00
4.65	NO							
L0165112		0	0.12747E-03	662354.5	4270556.6	55.4	5.00	4.00
4.65	NO							
L0165113		0	0.12747E-03	662354.5	4270548.0	55.3	5.00	4.00
4.65	NO							
L0165114		0	0.12747E-03	662354.4	4270539.4	55.3	5.00	4.00
4.65	NO							
L0165115		0	0.12747E-03	662354.4	4270530.8	55.2	5.00	4.00
4.65	NO							
L0165116		0	0.12747E-03	662354.4	4270522.2	55.2	5.00	4.00
4.65	NO							
L0165117		0	0.12747E-03	662354.3	4270513.6	55.2	5.00	4.00
4.65	NO							
L0165118		0	0.12747E-03	662354.3	4270505.0	55.1	5.00	4.00
4.65	NO							
L0165119		0	0.12747E-03	662354.3	4270496.4	55.0	5.00	4.00

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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0165120		0	0.12747E-03	662354.2	4270487.8	54.9	5.00	4.00
4.65	NO							
L0165121		0	0.12747E-03	662354.2	4270479.2	54.8	5.00	4.00
4.65	NO							
L0165122		0	0.12747E-03	662354.2	4270470.6	54.7	5.00	4.00



4.65	NO							
L0165123		0	0.12747E-03	662354.1	4270462.0	54.6	5.00	4.00
4.65	NO							
L0165124		0	0.12747E-03	662354.1	4270453.4	54.5	5.00	4.00
4.65	NO							
L0165125		0	0.12747E-03	662354.1	4270444.8	54.3	5.00	4.00
4.65	NO							
L0165126		0	0.12747E-03	662354.0	4270436.2	54.4	5.00	4.00
4.65	NO							
L0165127		0	0.12747E-03	662354.0	4270427.6	54.5	5.00	4.00
4.65	NO							
L0165128		0	0.12747E-03	662353.9	4270419.0	54.5	5.00	4.00
4.65	NO							
L0165129		0	0.12747E-03	662353.9	4270410.4	54.6	5.00	4.00
4.65	NO							
L0165130		0	0.12747E-03	662353.9	4270401.8	54.8	5.00	4.00
4.65	NO							
L0165131		0	0.12747E-03	662353.8	4270393.2	54.9	5.00	4.00
4.65	NO							
L0165132		0	0.12747E-03	662353.8	4270384.6	55.0	5.00	4.00
4.65	NO							
L0165133		0	0.12747E-03	662353.8	4270376.0	55.0	5.00	4.00
4.65	NO							
L0165134		0	0.12747E-03	662353.7	4270367.4	55.0	5.00	4.00
4.65	NO							
L0165135		0	0.12747E-03	662353.7	4270358.8	54.9	5.00	4.00
4.65	NO							
L0165136		0	0.12747E-03	662353.7	4270350.2	54.9	5.00	4.00
4.65	NO							
L0165137		0	0.12747E-03	662353.6	4270341.6	54.8	5.00	4.00
4.65	NO							
L0165138		0	0.12747E-03	662353.6	4270333.0	54.7	5.00	4.00
4.65	NO							
L0165139		0	0.12747E-03	662353.6	4270324.4	54.6	5.00	4.00
4.65	NO							
L0165140		0	0.12747E-03	662353.5	4270315.8	54.6	5.00	4.00
4.65	NO							
L0165141		0	0.12747E-03	662353.5	4270307.2	54.6	5.00	4.00
4.65	NO							
L0165142		0	0.12747E-03	662353.4	4270298.6	54.7	5.00	4.00
4.65	NO							
L0165143		0	0.12747E-03	662353.4	4270290.0	54.7	5.00	4.00
4.65	NO							
L0165144		0	0.12747E-03	662353.4	4270281.4	54.7	5.00	4.00
4.65	NO							
L0165145		0	0.12747E-03	662353.3	4270272.8	54.7	5.00	4.00
4.65	NO							
L0165146		0	0.12747E-03	662353.3	4270264.2	54.7	5.00	4.00
4.65	NO							
L0165147		0	0.12747E-03	662353.3	4270255.6	54.8	5.00	4.00

4.65	NO							
L0165148		0	0.12747E-03	662353.2	4270247.0	54.9	5.00	4.00
4.65	NO							
L0165149		0	0.12747E-03	662353.2	4270238.4	55.0	5.00	4.00
4.65	NO							
L0165150		0	0.12747E-03	662353.2	4270229.8	55.2	5.00	4.00
4.65	NO							
L0165151		0	0.12747E-03	662353.1	4270221.2	55.4	5.00	4.00
4.65	NO							
L0165152		0	0.12747E-03	662353.1	4270212.6	55.7	5.00	4.00
4.65	NO							
L0165153		0	0.12747E-03	662353.1	4270204.0	56.0	5.00	4.00
4.65	NO							
L0165154		0	0.12747E-03	662353.0	4270195.4	56.1	5.00	4.00
4.65	NO							
L0165155		0	0.12747E-03	662353.0	4270186.8	55.9	5.00	4.00
4.65	NO							
L0165156		0	0.12747E-03	662352.9	4270178.2	55.8	5.00	4.00
4.65	NO							
L0165157		0	0.12747E-03	662352.9	4270169.6	55.6	5.00	4.00
4.65	NO							
L0165158		0	0.12747E-03	662352.9	4270161.0	55.8	5.00	4.00
4.65	NO							
L0165159		0	0.12747E-03	662352.8	4270152.4	56.0	5.00	4.00

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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0165160		0	0.12747E-03	662352.8	4270143.8	56.2	5.00	4.00
4.65	NO							
L0165161		0	0.12747E-03	662352.8	4270135.2	56.5	5.00	4.00
4.65	NO							
L0165162		0	0.12747E-03	662356.5	4270130.3	57.0	5.00	4.00

4.65	NO							
L0165163		0	0.12747E-03	662365.1	4270130.2	57.4	5.00	4.00
4.65	NO							
L0165164		0	0.12747E-03	662373.7	4270130.1	57.8	5.00	4.00
4.65	NO							
L0165165		0	0.12747E-03	662382.3	4270129.9	58.1	5.00	4.00
4.65	NO							
L0165166		0	0.12747E-03	662390.9	4270129.8	58.3	5.00	4.00
4.65	NO							
L0165167		0	0.12747E-03	662399.5	4270129.6	58.6	5.00	4.00
4.65	NO							
L0165168		0	0.12747E-03	662408.1	4270129.5	59.0	5.00	4.00
4.65	NO							
L0165169		0	0.12747E-03	662416.7	4270129.3	59.4	5.00	4.00
4.65	NO							
L0165170		0	0.12747E-03	662425.3	4270129.2	59.8	5.00	4.00
4.65	NO							
L0165171		0	0.12747E-03	662433.9	4270129.0	59.9	5.00	4.00
4.65	NO							
L0165172		0	0.12747E-03	662442.5	4270128.9	60.0	5.00	4.00
4.65	NO							
L0165173		0	0.12747E-03	662451.1	4270128.7	59.9	5.00	4.00
4.65	NO							
L0165174		0	0.12747E-03	662459.7	4270128.6	59.0	5.00	4.00
4.65	NO							
L0165175		0	0.12747E-03	662468.3	4270128.5	58.2	5.00	4.00
4.65	NO							
L0165176		0	0.12747E-03	662476.9	4270128.3	57.3	5.00	4.00
4.65	NO							
L0165177		0	0.12747E-03	662485.5	4270128.2	56.2	5.00	4.00
4.65	NO							
L0165178		0	0.12747E-03	662494.1	4270128.0	55.2	5.00	4.00
4.65	NO							
L0165179		0	0.12747E-03	662502.7	4270127.9	54.5	5.00	4.00
4.65	NO							
L0165180		0	0.12747E-03	662511.3	4270127.7	53.8	5.00	4.00
4.65	NO							
L0165181		0	0.12747E-03	662519.9	4270127.6	53.1	5.00	4.00
4.65	NO							
L0165182		0	0.12747E-03	662528.5	4270127.4	53.2	5.00	4.00
4.65	NO							
L0165183		0	0.12747E-03	662537.1	4270127.3	53.5	5.00	4.00
4.65	NO							
L0165184		0	0.12747E-03	662545.7	4270127.1	53.8	5.00	4.00
4.65	NO							
L0165185		0	0.12747E-03	662554.3	4270127.0	54.5	5.00	4.00
4.65	NO							
L0165186		0	0.12747E-03	662562.9	4270126.8	55.3	5.00	4.00
4.65	NO							
L0165187		0	0.12747E-03	662571.5	4270126.7	56.1	5.00	4.00

4.65	NO							
L0165188		0	0.12747E-03	662580.1	4270126.6	57.1	5.00	4.00
4.65	NO							
L0165189		0	0.12747E-03	662588.7	4270126.4	58.1	5.00	4.00
4.65	NO							
L0165190		0	0.12747E-03	662597.3	4270126.3	58.9	5.00	4.00
4.65	NO							
L0165191		0	0.12747E-03	662605.9	4270126.1	59.6	5.00	4.00
4.65	NO							
L0165192		0	0.12747E-03	662614.5	4270126.0	60.3	5.00	4.00
4.65	NO							
L0165193		0	0.12747E-03	662623.1	4270125.8	61.0	5.00	4.00
4.65	NO							
L0165194		0	0.12747E-03	662631.7	4270125.7	61.8	5.00	4.00
4.65	NO							
L0165195		0	0.12747E-03	662640.3	4270125.5	62.5	5.00	4.00
4.65	NO							
L0165196		0	0.12747E-03	662648.9	4270125.4	63.3	5.00	4.00
4.65	NO							
L0165197		0	0.12747E-03	662657.5	4270125.2	64.2	5.00	4.00
4.65	NO							
L0165198		0	0.12747E-03	662666.1	4270125.1	65.0	5.00	4.00
4.65	NO							
L0165199		0	0.12747E-03	662674.7	4270125.0	65.7	5.00	4.00

^ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0165200		0	0.12747E-03	662683.3	4270124.8	66.3	5.00	4.00
4.65	NO							
L0165201		0	0.12747E-03	662691.9	4270124.7	66.9	5.00	4.00
4.65	NO							
L0165202		0	0.12747E-03	662700.5	4270124.5	67.3	5.00	4.00

4.65	NO							
L0165203		0	0.12747E-03	662709.1	4270124.4	67.7	5.00	4.00
4.65	NO							
L0165204		0	0.12747E-03	662717.7	4270124.2	68.0	5.00	4.00
4.65	NO							
L0165205		0	0.12747E-03	662726.3	4270124.1	68.1	5.00	4.00
4.65	NO							
L0165206		0	0.12747E-03	662734.9	4270123.9	68.2	5.00	4.00
4.65	NO							
L0165207		0	0.12747E-03	662743.5	4270123.8	68.1	5.00	4.00
4.65	NO							
L0165208		0	0.12747E-03	662752.1	4270123.6	67.8	5.00	4.00
4.65	NO							
L0165209		0	0.12747E-03	662760.7	4270123.5	67.6	5.00	4.00
4.65	NO							
L0165210		0	0.12747E-03	662769.3	4270123.3	67.1	5.00	4.00
4.65	NO							
L0165211		0	0.12747E-03	662777.9	4270123.2	66.6	5.00	4.00
4.65	NO							
L0165212		0	0.12747E-03	662786.5	4270123.1	66.1	5.00	4.00
4.65	NO							
L0165213		0	0.12747E-03	662795.1	4270122.9	65.6	5.00	4.00
4.65	NO							
L0165214		0	0.12747E-03	662803.7	4270122.8	65.1	5.00	4.00
4.65	NO							
L0165215		0	0.12747E-03	662812.3	4270122.6	64.7	5.00	4.00
4.65	NO							
L0165216		0	0.12747E-03	662820.9	4270122.5	64.4	5.00	4.00
4.65	NO							
L0165217		0	0.12747E-03	662829.5	4270122.3	64.1	5.00	4.00
4.65	NO							
L0165218		0	0.12747E-03	662838.1	4270122.2	63.9	5.00	4.00
4.65	NO							
L0165219		0	0.12747E-03	662846.7	4270122.0	63.7	5.00	4.00
4.65	NO							
L0165220		0	0.12747E-03	662855.3	4270121.9	63.5	5.00	4.00
4.65	NO							
L0165221		0	0.12747E-03	662863.9	4270121.7	63.2	5.00	4.00
4.65	NO							
L0165222		0	0.12747E-03	662872.5	4270121.6	62.9	5.00	4.00
4.65	NO							
L0165223		0	0.12747E-03	662881.1	4270121.5	62.7	5.00	4.00
4.65	NO							
L0165224		0	0.12747E-03	662889.7	4270121.3	62.3	5.00	4.00
4.65	NO							
L0165225		0	0.12747E-03	662898.3	4270121.2	61.8	5.00	4.00
4.65	NO							
L0165226		0	0.12747E-03	662906.9	4270121.0	61.2	5.00	4.00
4.65	NO							
L0165227		0	0.12747E-03	662915.4	4270120.9	60.7	5.00	4.00

4.65	NO							
L0165228		0	0.12747E-03	662924.0	4270120.7	60.1	5.00	4.00
4.65	NO							
L0165229		0	0.12747E-03	662932.6	4270120.6	59.5	5.00	4.00
4.65	NO							
L0165230		0	0.12747E-03	662941.2	4270120.4	58.9	5.00	4.00
4.65	NO							
L0165231		0	0.12747E-03	662949.8	4270120.3	58.4	5.00	4.00
4.65	NO							
L0165232		0	0.12747E-03	662958.4	4270120.1	57.8	5.00	4.00
4.65	NO							
L0165233		0	0.12747E-03	662967.0	4270120.0	57.4	5.00	4.00
4.65	NO							
L0165234		0	0.12747E-03	662975.6	4270119.9	56.9	5.00	4.00
4.65	NO							
L0165235		0	0.12747E-03	662984.2	4270119.7	56.4	5.00	4.00
4.65	NO							
L0165236		0	0.12747E-03	662992.8	4270119.6	55.9	5.00	4.00
4.65	NO							
L0165237		0	0.12747E-03	663001.4	4270119.4	55.5	5.00	4.00
4.65	NO							
L0165238		0	0.12747E-03	663010.0	4270119.3	55.0	5.00	4.00
4.65	NO							
L0165239		0	0.12747E-03	663018.6	4270119.1	54.6	5.00	4.00

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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0165240		0	0.12747E-03	663027.2	4270119.0	54.2	5.00	4.00
4.65	NO							
L0165241		0	0.12747E-03	663035.8	4270118.8	54.0	5.00	4.00
4.65	NO							
L0165242		0	0.12747E-03	663044.4	4270118.7	53.8	5.00	4.00

4.65	NO							
L0165243		0	0.12747E-03	663053.0	4270118.5	53.6	5.00	4.00
4.65	NO							
L0165244		0	0.12747E-03	663061.6	4270118.4	53.5	5.00	4.00
4.65	NO							
L0165245		0	0.12747E-03	663070.2	4270118.2	53.4	5.00	4.00
4.65	NO							
L0165246		0	0.12747E-03	663078.8	4270118.1	53.3	5.00	4.00
4.65	NO							
L0165247		0	0.12747E-03	663087.4	4270118.0	53.2	5.00	4.00
4.65	NO							
L0165248		0	0.12747E-03	663096.0	4270117.8	53.0	5.00	4.00
4.65	NO							
L0165249		0	0.12747E-03	663104.6	4270117.7	52.8	5.00	4.00
4.65	NO							
L0165250		0	0.12747E-03	663113.2	4270117.5	52.3	5.00	4.00
4.65	NO							
L0165251		0	0.12747E-03	663121.8	4270117.4	51.9	5.00	4.00
4.65	NO							
L0165252		0	0.12747E-03	663130.4	4270117.2	51.5	5.00	4.00
4.65	NO							
L0165253		0	0.12747E-03	663130.7	4270108.7	51.2	5.00	4.00
4.65	NO							
L0165254		0	0.12747E-03	663130.9	4270100.1	50.9	5.00	4.00
4.65	NO							
L0165255		0	0.12747E-03	663131.1	4270091.5	50.6	5.00	4.00
4.65	NO							
L0165256		0	0.12747E-03	663131.4	4270082.9	50.5	5.00	4.00
4.65	NO							
L0165257		0	0.12747E-03	663131.6	4270074.3	50.3	5.00	4.00
4.65	NO							
L0165258		0	0.12747E-03	663131.8	4270065.7	50.2	5.00	4.00
4.65	NO							
L0165259		0	0.12747E-03	663132.1	4270057.1	50.0	5.00	4.00
4.65	NO							
L0165260		0	0.12747E-03	663132.3	4270048.5	50.0	5.00	4.00
4.65	NO							
L0165261		0	0.12747E-03	663132.5	4270039.9	49.9	5.00	4.00
4.65	NO							
L0165262		0	0.12747E-03	663132.8	4270031.3	49.8	5.00	4.00
4.65	NO							
L0165263		0	0.12747E-03	663133.0	4270022.7	49.8	5.00	4.00
4.65	NO							
L0165264		0	0.12747E-03	663133.2	4270014.1	49.8	5.00	4.00
4.65	NO							
L0165265		0	0.12747E-03	663133.4	4270005.5	49.9	5.00	4.00
4.65	NO							
L0165266		0	0.12747E-03	663133.7	4269996.9	49.9	5.00	4.00
4.65	NO							
L0165267		0	0.12747E-03	663133.9	4269988.3	50.1	5.00	4.00

4.65	NO							
L0165268		0	0.12747E-03	663134.1	4269979.7	50.3	5.00	4.00
4.65	NO							
L0165269		0	0.12747E-03	663134.4	4269971.1	50.5	5.00	4.00
4.65	NO							
L0165270		0	0.12747E-03	663134.6	4269962.5	50.9	5.00	4.00
4.65	NO							
L0165271		0	0.12747E-03	663134.8	4269953.9	51.4	5.00	4.00
4.65	NO							
L0165272		0	0.12747E-03	663135.1	4269945.3	51.9	5.00	4.00
4.65	NO							
L0165273		0	0.12747E-03	663135.3	4269936.7	52.4	5.00	4.00
4.65	NO							
L0165274		0	0.12747E-03	663135.5	4269928.1	52.4	5.00	4.00
4.65	NO							
L0165275		0	0.12747E-03	663135.8	4269919.5	52.4	5.00	4.00
4.65	NO							
L0165276		0	0.12747E-03	663136.0	4269910.9	52.4	5.00	4.00
4.65	NO							
L0165277		0	0.12747E-03	663136.2	4269902.3	52.2	5.00	4.00
4.65	NO							
L0165278		0	0.12747E-03	663136.4	4269893.7	51.9	5.00	4.00
4.65	NO							
L0165279		0	0.12747E-03	663136.7	4269885.1	51.5	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								
-----								
L0165280		0	0.12747E-03	663136.9	4269876.5	51.2	5.00	4.00
4.65	NO							
L0165281		0	0.12747E-03	663137.1	4269868.0	51.4	5.00	4.00
4.65	NO							
L0165282		0	0.12747E-03	663137.4	4269859.4	51.7	5.00	4.00



4.65	NO							
L0165283		0	0.12747E-03	663137.6	4269850.8	52.0	5.00	4.00
4.65	NO							
L0165284		0	0.12747E-03	663137.8	4269842.2	52.3	5.00	4.00
4.65	NO							
L0165285		0	0.12747E-03	663138.1	4269833.6	52.4	5.00	4.00
4.65	NO							
L0165286		0	0.12747E-03	663138.3	4269825.0	52.5	5.00	4.00
4.65	NO							
L0165287		0	0.12747E-03	663138.5	4269816.4	52.6	5.00	4.00
4.65	NO							
L0165288		0	0.12747E-03	663138.7	4269807.8	53.0	5.00	4.00
4.65	NO							
L0165289		0	0.12747E-03	663139.0	4269799.2	53.5	5.00	4.00
4.65	NO							
L0165290		0	0.12747E-03	663139.2	4269790.6	54.1	5.00	4.00
4.65	NO							
L0165291		0	0.12747E-03	663139.4	4269782.0	54.7	5.00	4.00
4.65	NO							
L0165292		0	0.12747E-03	663139.7	4269773.4	55.8	5.00	4.00
4.65	NO							
L0165293		0	0.12747E-03	663139.9	4269764.8	56.8	5.00	4.00
4.65	NO							
L0165294		0	0.12747E-03	663140.1	4269756.2	57.9	5.00	4.00
4.65	NO							
L0165295		0	0.12747E-03	663140.4	4269747.6	58.5	5.00	4.00
4.65	NO							
L0165296		0	0.12747E-03	663140.6	4269739.0	58.8	5.00	4.00
4.65	NO							
L0165297		0	0.12747E-03	663140.8	4269730.4	59.1	5.00	4.00
4.65	NO							
L0165298		0	0.12747E-03	663141.0	4269721.8	59.4	5.00	4.00
4.65	NO							
L0165299		0	0.12747E-03	663141.3	4269713.2	59.6	5.00	4.00
4.65	NO							
L0165300		0	0.12747E-03	663141.5	4269704.6	59.8	5.00	4.00
4.65	NO							
L0165301		0	0.12747E-03	663141.7	4269696.0	60.0	5.00	4.00
4.65	NO							
L0165302		0	0.12747E-03	663142.0	4269687.4	60.4	5.00	4.00
4.65	NO							
L0165303		0	0.12747E-03	663142.2	4269678.8	61.0	5.00	4.00
4.65	NO							
L0165304		0	0.12747E-03	663142.4	4269670.2	61.6	5.00	4.00
4.65	NO							
L0165305		0	0.12747E-03	663142.7	4269661.6	62.2	5.00	4.00
4.65	NO							
L0165306		0	0.12747E-03	663142.9	4269653.0	63.2	5.00	4.00
4.65	NO							
L0165307		0	0.12747E-03	663143.1	4269644.4	64.3	5.00	4.00

4.65	NO							
L0165308		0	0.12747E-03	663143.3	4269635.8	65.5	5.00	4.00
4.65	NO							
L0165309		0	0.12747E-03	663143.6	4269627.2	66.6	5.00	4.00
4.65	NO							
L0165310		0	0.12747E-03	663143.8	4269618.6	67.8	5.00	4.00
4.65	NO							
L0165311		0	0.12747E-03	663144.0	4269610.0	69.0	5.00	4.00
4.65	NO							
L0165312		0	0.12747E-03	663144.3	4269601.4	70.2	5.00	4.00
4.65	NO							
L0165313		0	0.12747E-03	663144.5	4269592.9	71.0	5.00	4.00
4.65	NO							
L0165314		0	0.12747E-03	663144.7	4269584.3	71.4	5.00	4.00
4.65	NO							
L0165315		0	0.12747E-03	663145.0	4269575.7	71.9	5.00	4.00
4.65	NO							
L0165316		0	0.12747E-03	663145.2	4269567.1	72.3	5.00	4.00
4.65	NO							
L0165317		0	0.12747E-03	663145.4	4269558.5	72.4	5.00	4.00
4.65	NO							
L0165318		0	0.12747E-03	663145.7	4269549.9	72.5	5.00	4.00
4.65	NO							
L0165319		0	0.12747E-03	663145.9	4269541.3	72.5	5.00	4.00

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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0165320		0	0.12747E-03	663146.1	4269532.7	72.7	5.00	4.00
4.65	NO							
L0165321		0	0.12747E-03	663146.3	4269524.1	72.8	5.00	4.00
4.65	NO							
L0165322		0	0.12747E-03	663146.6	4269515.5	73.0	5.00	4.00

4.65	NO							
L0165323		0	0.12747E-03	663146.8	4269506.9	73.2	5.00	4.00
4.65	NO							
L0165324		0	0.12747E-03	663147.0	4269498.3	73.5	5.00	4.00
4.65	NO							
L0165325		0	0.12747E-03	663147.3	4269489.7	73.7	5.00	4.00
4.65	NO							
L0165326		0	0.12747E-03	663147.5	4269481.1	74.0	5.00	4.00
4.65	NO							
L0165327		0	0.12747E-03	663147.7	4269472.5	74.2	5.00	4.00
4.65	NO							
L0165328		0	0.12747E-03	663148.0	4269463.9	74.4	5.00	4.00
4.65	NO							
L0165329		0	0.12747E-03	663148.2	4269455.3	74.5	5.00	4.00
4.65	NO							
L0165330		0	0.12747E-03	663148.4	4269446.7	74.7	5.00	4.00
4.65	NO							
L0165331		0	0.12747E-03	663148.6	4269438.1	74.7	5.00	4.00
4.65	NO							
L0165332		0	0.12747E-03	663148.9	4269429.5	74.7	5.00	4.00
4.65	NO							
L0165333		0	0.12747E-03	663149.1	4269420.9	74.7	5.00	4.00
4.65	NO							
L0165334		0	0.12747E-03	663149.3	4269412.3	74.7	5.00	4.00
4.65	NO							
L0165335		0	0.12747E-03	663149.6	4269403.7	74.6	5.00	4.00
4.65	NO							
L0165336		0	0.12747E-03	663149.8	4269395.1	74.4	5.00	4.00
4.65	NO							
L0165337		0	0.12747E-03	663150.0	4269386.5	74.3	5.00	4.00
4.65	NO							
L0165338		0	0.12747E-03	663151.4	4269379.1	74.2	5.00	4.00
4.65	NO							
L0165339		0	0.12747E-03	663159.9	4269379.7	74.4	5.00	4.00
4.65	NO							
L0165340		0	0.12747E-03	663168.5	4269380.2	74.7	5.00	4.00
4.65	NO							
L0165341		0	0.12747E-03	663177.1	4269380.8	75.0	5.00	4.00
4.65	NO							
L0165342		0	0.12747E-03	663185.7	4269381.3	75.4	5.00	4.00
4.65	NO							
L0165343		0	0.12747E-03	663194.3	4269381.9	75.7	5.00	4.00
4.65	NO							
L0165344		0	0.12747E-03	663202.9	4269382.4	75.9	5.00	4.00
4.65	NO							
L0165345		0	0.12747E-03	663211.4	4269383.0	76.1	5.00	4.00
4.65	NO							
L0165346		0	0.12747E-03	663220.0	4269383.5	76.2	5.00	4.00
4.65	NO							
L0165347		0	0.12747E-03	663228.6	4269384.1	76.2	5.00	4.00

4.65	NO							
L0165348		0	0.12747E-03	663237.2	4269384.6	76.2	5.00	4.00
4.65	NO							
L0165349		0	0.12747E-03	663245.8	4269385.1	76.2	5.00	4.00
4.65	NO							
L0165350		0	0.12747E-03	663254.4	4269385.7	76.1	5.00	4.00
4.65	NO							
L0165351		0	0.12747E-03	663262.9	4269386.2	76.0	5.00	4.00
4.65	NO							
L0165352		0	0.12747E-03	663271.5	4269386.8	75.6	5.00	4.00
4.65	NO							
L0165353		0	0.12747E-03	663280.1	4269387.3	75.3	5.00	4.00
4.65	NO							
L0165354		0	0.12747E-03	663288.7	4269387.9	75.0	5.00	4.00
4.65	NO							
L0165355		0	0.12747E-03	663297.3	4269388.4	74.6	5.00	4.00
4.65	NO							
L0165356		0	0.12747E-03	663305.8	4269389.0	74.2	5.00	4.00
4.65	NO							
L0165357		0	0.12747E-03	663314.4	4269389.5	73.8	5.00	4.00
4.65	NO							
L0165358		0	0.12747E-03	663323.0	4269390.1	73.4	5.00	4.00
4.65	NO							
L0165359		0	0.12747E-03	663331.6	4269390.6	73.0	5.00	4.00

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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0165360		0	0.12747E-03	663340.2	4269391.2	72.7	5.00	4.00
4.65	NO							
L0165361		0	0.12747E-03	663348.8	4269391.7	72.3	5.00	4.00
4.65	NO							
L0165362		0	0.12747E-03	663357.3	4269392.2	72.0	5.00	4.00

4.65	NO							
L0165363		0	0.12747E-03	663365.9	4269392.8	71.6	5.00	4.00
4.65	NO							
L0165364		0	0.12747E-03	663374.5	4269393.3	71.1	5.00	4.00
4.65	NO							
L0165365		0	0.12747E-03	663383.1	4269393.9	70.7	5.00	4.00
4.65	NO							
L0165366		0	0.12747E-03	663391.7	4269394.4	70.2	5.00	4.00
4.65	NO							
L0165367		0	0.12747E-03	663400.3	4269395.0	69.8	5.00	4.00
4.65	NO							
L0165368		0	0.12747E-03	663408.8	4269395.5	69.4	5.00	4.00
4.65	NO							
L0165369		0	0.12747E-03	663417.4	4269396.1	68.9	5.00	4.00
4.65	NO							
L0165370		0	0.12747E-03	663426.0	4269396.6	68.5	5.00	4.00
4.65	NO							
L0165371		0	0.12747E-03	663434.6	4269397.2	68.0	5.00	4.00
4.65	NO							
L0165372		0	0.12747E-03	663443.2	4269397.7	67.5	5.00	4.00
4.65	NO							
L0165373		0	0.12747E-03	663451.8	4269398.3	67.0	5.00	4.00
4.65	NO							
L0165374		0	0.12747E-03	663460.3	4269398.8	66.6	5.00	4.00
4.65	NO							
L0165375		0	0.12747E-03	663468.9	4269399.3	66.2	5.00	4.00
4.65	NO							
L0165376		0	0.12747E-03	663477.5	4269399.9	65.8	5.00	4.00
4.65	NO							
L0165377		0	0.12747E-03	663486.1	4269400.4	65.5	5.00	4.00
4.65	NO							
L0165378		0	0.12747E-03	663494.7	4269401.0	65.3	5.00	4.00
4.65	NO							
L0165379		0	0.12747E-03	663503.2	4269401.5	65.1	5.00	4.00
4.65	NO							
L0165380		0	0.12747E-03	663511.8	4269402.1	65.0	5.00	4.00
4.65	NO							
L0165381		0	0.12747E-03	663520.4	4269402.6	65.0	5.00	4.00
4.65	NO							
L0165382		0	0.12747E-03	663529.0	4269403.2	64.9	5.00	4.00
4.65	NO							
L0165383		0	0.12747E-03	663537.6	4269403.7	64.8	5.00	4.00
4.65	NO							
L0165384		0	0.12747E-03	663546.2	4269404.3	64.8	5.00	4.00
4.65	NO							
L0165385		0	0.12747E-03	663554.7	4269404.8	64.8	5.00	4.00
4.65	NO							
L0165386		0	0.12747E-03	663563.3	4269405.4	65.0	5.00	4.00
4.65	NO							
L0165387		0	0.12747E-03	663571.9	4269405.9	65.3	5.00	4.00

4.65	NO							
L0165388		0	0.12747E-03	663580.5	4269406.4	65.6	5.00	4.00
4.65	NO							
L0165389		0	0.12747E-03	663589.1	4269407.0	66.0	5.00	4.00
4.65	NO							
L0165390		0	0.12747E-03	663597.7	4269407.5	66.4	5.00	4.00
4.65	NO							
L0165391		0	0.12747E-03	663606.2	4269408.1	66.6	5.00	4.00
4.65	NO							
L0165392		0	0.12747E-03	663614.8	4269408.6	66.8	5.00	4.00
4.65	NO							
L0165393		0	0.12747E-03	663623.4	4269409.2	67.0	5.00	4.00
4.65	NO							
L0165394		0	0.12747E-03	663632.0	4269409.7	67.0	5.00	4.00
4.65	NO							
L0165395		0	0.12747E-03	663640.6	4269410.3	67.0	5.00	4.00
4.65	NO							
L0165396		0	0.12747E-03	663649.2	4269410.8	67.0	5.00	4.00
4.65	NO							
L0165397		0	0.12747E-03	663657.7	4269411.4	66.9	5.00	4.00
4.65	NO							
L0165398		0	0.12747E-03	663666.3	4269411.9	66.7	5.00	4.00
4.65	NO							
L0165399		0	0.12747E-03	663674.9	4269412.5	66.6	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0165400		0	0.12747E-03	663683.5	4269413.0	66.2	5.00	4.00
4.65	NO							
L0165401		0	0.12747E-03	663692.1	4269413.5	65.8	5.00	4.00
4.65	NO							
L0165402		0	0.12747E-03	663700.7	4269414.1	65.4	5.00	4.00

4.65	NO							
L0165403		0	0.12747E-03	663709.2	4269414.6	65.0	5.00	4.00
4.65	NO							
L0165404		0	0.12747E-03	663717.8	4269415.2	64.6	5.00	4.00
4.65	NO							
L0165405		0	0.12747E-03	663726.4	4269415.7	64.2	5.00	4.00
4.65	NO							
L0165406		0	0.12747E-03	663735.0	4269416.3	63.8	5.00	4.00
4.65	NO							
L0165407		0	0.12747E-03	663743.6	4269416.8	63.4	5.00	4.00
4.65	NO							
L0165408		0	0.12747E-03	663752.1	4269417.4	63.0	5.00	4.00
4.65	NO							
L0165409		0	0.12747E-03	663760.7	4269417.9	62.6	5.00	4.00
4.65	NO							
L0165410		0	0.12747E-03	663769.3	4269418.5	62.1	5.00	4.00
4.65	NO							
L0165411		0	0.12747E-03	663777.9	4269419.0	61.8	5.00	4.00
4.65	NO							
L0165412		0	0.12747E-03	663786.5	4269419.6	61.5	5.00	4.00
4.65	NO							
L0165413		0	0.12747E-03	663795.1	4269420.1	61.2	5.00	4.00
4.65	NO							
L0165414		0	0.12747E-03	663803.6	4269420.6	61.1	5.00	4.00
4.65	NO							
L0165415		0	0.12747E-03	663812.2	4269421.2	60.9	5.00	4.00
4.65	NO							
L0165416		0	0.12747E-03	663820.8	4269421.7	60.7	5.00	4.00
4.65	NO							
L0165417		0	0.12747E-03	663829.4	4269422.3	60.6	5.00	4.00
4.65	NO							
L0165418		0	0.12747E-03	663838.0	4269422.8	60.4	5.00	4.00
4.65	NO							
L0165419		0	0.12747E-03	663846.6	4269423.4	60.2	5.00	4.00
4.65	NO							
L0165420		0	0.12747E-03	663855.1	4269423.9	59.9	5.00	4.00
4.65	NO							
L0165421		0	0.12747E-03	663863.7	4269424.5	59.6	5.00	4.00
4.65	NO							
L0165422		0	0.12747E-03	663872.3	4269425.0	59.4	5.00	4.00
4.65	NO							
L0165423		0	0.12747E-03	663874.7	4269430.9	59.3	5.00	4.00
4.65	NO							
L0165424		0	0.12747E-03	663874.0	4269439.4	59.4	5.00	4.00
4.65	NO							
L0165425		0	0.12747E-03	663873.3	4269448.0	59.4	5.00	4.00
4.65	NO							
L0165426		0	0.12747E-03	663872.6	4269456.6	59.5	5.00	4.00
4.65	NO							
L0165427		0	0.12747E-03	663871.9	4269465.2	59.6	5.00	4.00

4.65	NO							
L0165428		0	0.12747E-03	663871.2	4269473.7	59.8	5.00	4.00
4.65	NO							
L0165429		0	0.12747E-03	663870.5	4269482.3	60.0	5.00	4.00
4.65	NO							
L0165430		0	0.12747E-03	663869.8	4269490.9	60.2	5.00	4.00
4.65	NO							
L0165431		0	0.12747E-03	663869.1	4269499.4	60.4	5.00	4.00
4.65	NO							
L0165432		0	0.12747E-03	663868.4	4269508.0	60.6	5.00	4.00
4.65	NO							
L0165433		0	0.12747E-03	663867.7	4269516.6	60.8	5.00	4.00
4.65	NO							
L0165434		0	0.12747E-03	663867.0	4269525.2	61.0	5.00	4.00
4.65	NO							
L0165435		0	0.12747E-03	663866.3	4269533.7	61.2	5.00	4.00
4.65	NO							
L0165436		0	0.12747E-03	663865.6	4269542.3	61.3	5.00	4.00
4.65	NO							
L0165437		0	0.12747E-03	663864.9	4269550.9	61.5	5.00	4.00
4.65	NO							
L0165438		0	0.12747E-03	663864.2	4269559.4	61.8	5.00	4.00
4.65	NO							
L0165439		0	0.12747E-03	663863.4	4269568.0	62.0	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								
L0165440		0	0.12747E-03	663862.7	4269576.6	62.3	5.00	4.00
4.65	NO							
L0165441		0	0.12747E-03	663862.0	4269585.1	62.6	5.00	4.00
4.65	NO							
L0165442		0	0.12747E-03	663861.3	4269593.7	62.9	5.00	4.00



4.65	NO							
L0165443		0	0.12747E-03	663860.6	4269602.3	63.2	5.00	4.00
4.65	NO							
L0165444		0	0.12747E-03	663859.9	4269610.9	63.5	5.00	4.00
4.65	NO							
L0165445		0	0.12747E-03	663859.2	4269619.4	63.7	5.00	4.00
4.65	NO							
L0165446		0	0.12747E-03	663858.5	4269628.0	63.8	5.00	4.00
4.65	NO							
L0165447		0	0.12747E-03	663857.8	4269636.6	64.0	5.00	4.00
4.65	NO							
L0165448		0	0.12747E-03	663857.1	4269645.1	64.1	5.00	4.00
4.65	NO							
L0165449		0	0.12747E-03	663856.4	4269653.7	64.1	5.00	4.00
4.65	NO							
L0165450		0	0.12747E-03	663855.7	4269662.3	64.2	5.00	4.00
4.65	NO							
L0165451		0	0.12747E-03	663855.0	4269670.9	64.2	5.00	4.00
4.65	NO							
L0165452		0	0.12747E-03	663854.3	4269679.4	64.1	5.00	4.00
4.65	NO							
L0165453		0	0.12747E-03	663853.6	4269688.0	63.8	5.00	4.00
4.65	NO							
L0165454		0	0.12747E-03	663852.9	4269696.6	63.6	5.00	4.00
4.65	NO							
L0165455		0	0.12747E-03	663852.2	4269705.1	63.4	5.00	4.00
4.65	NO							
L0165456		0	0.12747E-03	663851.4	4269713.7	63.2	5.00	4.00
4.65	NO							
L0165457		0	0.12747E-03	663850.7	4269722.3	63.0	5.00	4.00
4.65	NO							
L0165458		0	0.12747E-03	663850.0	4269730.9	62.8	5.00	4.00
4.65	NO							
L0165459		0	0.12747E-03	663849.3	4269739.4	62.6	5.00	4.00
4.65	NO							
L0165460		0	0.12747E-03	663848.6	4269748.0	62.5	5.00	4.00
4.65	NO							
L0165461		0	0.12747E-03	663847.9	4269756.6	62.5	5.00	4.00
4.65	NO							
L0165462		0	0.12747E-03	663847.2	4269765.1	62.4	5.00	4.00
4.65	NO							
L0165463		0	0.12747E-03	663846.5	4269773.7	62.3	5.00	4.00
4.65	NO							
L0165464		0	0.12747E-03	663845.8	4269782.3	62.2	5.00	4.00
4.65	NO							
L0165465		0	0.12747E-03	663845.1	4269790.9	62.2	5.00	4.00
4.65	NO							
L0165466		0	0.12747E-03	663844.4	4269799.4	62.2	5.00	4.00
4.65	NO							
L0165467		0	0.12747E-03	663843.7	4269808.0	62.2	5.00	4.00

4.65	NO							
L0165468		0	0.12747E-03	663843.0	4269816.6	62.3	5.00	4.00
4.65	NO							
L0165469		0	0.12747E-03	663842.3	4269825.1	62.4	5.00	4.00
4.65	NO							
L0165470		0	0.12747E-03	663841.6	4269833.7	62.5	5.00	4.00
4.65	NO							
L0165471		0	0.12747E-03	663840.9	4269842.3	62.6	5.00	4.00
4.65	NO							
L0165472		0	0.12747E-03	663840.2	4269850.8	62.8	5.00	4.00
4.65	NO							
L0165473		0	0.12747E-03	663839.4	4269859.4	62.9	5.00	4.00
4.65	NO							
L0165474		0	0.12747E-03	663838.7	4269868.0	63.2	5.00	4.00
4.65	NO							
L0165475		0	0.12747E-03	663838.0	4269876.6	63.5	5.00	4.00
4.65	NO							
L0165476		0	0.12747E-03	663837.3	4269885.1	63.8	5.00	4.00
4.65	NO							
L0165477		0	0.12747E-03	663836.6	4269893.7	64.2	5.00	4.00
4.65	NO							
L0165478		0	0.12747E-03	663835.9	4269902.3	64.7	5.00	4.00
4.65	NO							
L0165479		0	0.12747E-03	663835.2	4269910.8	65.3	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
-----								
L0165480		0	0.12747E-03	663834.5	4269919.4	65.8	5.00	4.00
4.65	NO							
L0165481		0	0.12747E-03	663833.8	4269928.0	66.1	5.00	4.00
4.65	NO							
L0165482		0	0.12747E-03	663833.1	4269936.6	66.3	5.00	4.00

4.65	NO							
L0165483		0	0.12747E-03	663832.4	4269945.1	66.5	5.00	4.00
4.65	NO							
L0165484		0	0.12747E-03	663831.7	4269953.7	66.8	5.00	4.00
4.65	NO							
L0165485		0	0.12747E-03	663831.0	4269962.3	66.9	5.00	4.00
4.65	NO							
L0165486		0	0.12747E-03	663830.3	4269970.8	67.1	5.00	4.00
4.65	NO							
L0165487		0	0.12747E-03	663829.6	4269979.4	67.2	5.00	4.00
4.65	NO							
L0165488		0	0.12747E-03	663828.9	4269988.0	67.5	5.00	4.00
4.65	NO							
L0165489		0	0.12747E-03	663828.2	4269996.6	68.0	5.00	4.00
4.65	NO							
L0165490		0	0.12747E-03	663827.4	4270005.1	68.4	5.00	4.00
4.65	NO							
L0165491		0	0.12747E-03	663826.7	4270013.7	68.8	5.00	4.00
4.65	NO							
L0165492		0	0.12747E-03	663826.0	4270022.3	69.2	5.00	4.00
4.65	NO							
L0165493		0	0.12747E-03	663825.3	4270030.8	69.6	5.00	4.00
4.65	NO							
L0165494		0	0.12747E-03	663824.6	4270039.4	69.9	5.00	4.00
4.65	NO							
L0165495		0	0.12747E-03	663823.9	4270048.0	70.3	5.00	4.00
4.65	NO							
L0165496		0	0.12747E-03	663823.2	4270056.6	70.6	5.00	4.00
4.65	NO							
L0165497		0	0.12747E-03	663822.5	4270065.1	71.0	5.00	4.00
4.65	NO							
L0165498		0	0.12747E-03	663821.8	4270073.7	71.3	5.00	4.00
4.65	NO							
L0165499		0	0.12747E-03	663821.1	4270082.3	71.9	5.00	4.00
4.65	NO							
L0165500		0	0.12747E-03	663820.4	4270090.8	72.5	5.00	4.00
4.65	NO							
L0165501		0	0.12747E-03	663819.7	4270099.4	73.0	5.00	4.00
4.65	NO							
L0165502		0	0.12747E-03	663819.0	4270108.0	73.3	5.00	4.00
4.65	NO							
L0165503		0	0.12747E-03	663818.3	4270116.5	73.2	5.00	4.00
4.65	NO							
L0165504		0	0.12747E-03	663817.6	4270125.1	73.1	5.00	4.00
4.65	NO							
L0165505		0	0.12747E-03	663816.9	4270133.7	73.0	5.00	4.00
4.65	NO							
L0165506		0	0.12747E-03	663816.2	4270142.3	72.3	5.00	4.00
4.65	NO							
L0165507		0	0.12747E-03	663815.5	4270150.8	71.4	5.00	4.00

4.65	NO							
L0165508		0	0.12747E-03	663814.7	4270159.4	70.6	5.00	4.00
4.65	NO							
L0165509		0	0.12747E-03	663814.0	4270168.0	69.8	5.00	4.00
4.65	NO							
L0165510		0	0.12747E-03	663813.3	4270176.5	68.9	5.00	4.00
4.65	NO							
L0165511		0	0.12747E-03	663812.6	4270185.1	68.0	5.00	4.00
4.65	NO							
L0165512		0	0.12747E-03	663811.9	4270193.7	67.1	5.00	4.00
4.65	NO							
L0165513		0	0.12747E-03	663811.2	4270202.3	66.6	5.00	4.00
4.65	NO							
L0165514		0	0.12747E-03	663810.5	4270210.8	66.3	5.00	4.00
4.65	NO							
L0165515		0	0.12747E-03	663809.8	4270219.4	66.0	5.00	4.00
4.65	NO							
L0165516		0	0.12747E-03	663809.1	4270228.0	65.8	5.00	4.00
4.65	NO							
L0165517		0	0.12747E-03	663808.4	4270236.5	66.0	5.00	4.00
4.65	NO							
L0165518		0	0.12747E-03	663807.7	4270245.1	66.2	5.00	4.00
4.65	NO							
L0165519		0	0.12747E-03	663807.0	4270253.7	66.4	5.00	4.00

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 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0165520		0	0.12747E-03	663806.3	4270262.3	66.4	5.00	4.00
4.65	NO							
L0165521		0	0.12747E-03	663805.6	4270270.8	66.1	5.00	4.00
4.65	NO							
L0165522		0	0.12747E-03	663804.9	4270279.4	65.7	5.00	4.00

4.65	NO							
L0165523		0	0.12747E-03	663804.2	4270288.0	65.4	5.00	4.00
4.65	NO							
L0165524		0	0.12747E-03	663803.5	4270296.5	65.1	5.00	4.00
4.65	NO							
L0165525		0	0.12747E-03	663802.7	4270305.1	64.8	5.00	4.00
4.65	NO							
L0165526		0	0.12747E-03	663802.0	4270313.7	64.6	5.00	4.00
4.65	NO							
L0165527		0	0.12747E-03	663801.3	4270322.3	64.5	5.00	4.00
4.65	NO							
L0165528		0	0.12747E-03	663800.6	4270330.8	64.8	5.00	4.00
4.65	NO							
L0165529		0	0.12747E-03	663799.9	4270339.4	65.1	5.00	4.00
4.65	NO							
L0165530		0	0.12747E-03	663799.2	4270348.0	65.5	5.00	4.00
4.65	NO							
L0165531		0	0.12747E-03	663798.5	4270356.5	66.2	5.00	4.00
4.65	NO							
L0165532		0	0.12747E-03	663797.8	4270365.1	67.0	5.00	4.00
4.65	NO							
L0165533		0	0.12747E-03	663797.1	4270373.7	67.8	5.00	4.00
4.65	NO							
L0165534		0	0.12747E-03	663796.4	4270382.2	68.7	5.00	4.00
4.65	NO							
L0165535		0	0.12747E-03	663795.7	4270390.8	69.2	5.00	4.00
4.65	NO							
L0165536		0	0.12747E-03	663795.0	4270399.4	69.7	5.00	4.00
4.65	NO							
L0165537		0	0.12747E-03	663794.3	4270408.0	70.2	5.00	4.00
4.65	NO							
L0165538		0	0.12747E-03	663793.6	4270416.5	70.4	5.00	4.00
4.65	NO							
L0165539		0	0.12747E-03	663792.9	4270425.1	70.2	5.00	4.00
4.65	NO							
L0165540		0	0.12747E-03	663792.2	4270433.7	70.1	5.00	4.00
4.65	NO							
L0165541		0	0.12747E-03	663791.5	4270442.2	69.9	5.00	4.00
4.65	NO							
L0165542		0	0.12747E-03	663790.7	4270450.8	70.0	5.00	4.00
4.65	NO							
L0165543		0	0.12747E-03	663790.0	4270459.4	70.3	5.00	4.00
4.65	NO							
L0165544		0	0.12747E-03	663789.3	4270468.0	70.5	5.00	4.00
4.65	NO							
L0165545		0	0.12747E-03	663788.6	4270476.5	70.8	5.00	4.00
4.65	NO							
L0165546		0	0.12747E-03	663787.9	4270485.1	71.1	5.00	4.00
4.65	NO							
L0165547		0	0.12747E-03	663787.2	4270493.7	71.5	5.00	4.00

4.65	NO							
L0165548		0	0.12747E-03	663786.5	4270502.2	71.9	5.00	4.00
4.65	NO							
L0165549		0	0.12747E-03	663785.8	4270510.8	72.0	5.00	4.00
4.65	NO							
L0165550		0	0.12747E-03	663785.1	4270519.4	72.1	5.00	4.00
4.65	NO							
L0165551		0	0.12747E-03	663784.4	4270528.0	72.1	5.00	4.00
4.65	NO							
L0165552		0	0.12747E-03	663783.7	4270536.5	72.2	5.00	4.00
4.65	NO							
L0165553		0	0.12747E-03	663783.0	4270545.1	72.2	5.00	4.00
4.65	NO							
L0165554		0	0.12747E-03	663774.9	4270545.8	73.3	5.00	4.00
4.65	NO							
L0165555		0	0.12747E-03	663766.3	4270546.0	73.6	5.00	4.00
4.65	NO							
L0165556		0	0.12747E-03	663757.7	4270546.3	73.3	5.00	4.00
4.65	NO							
L0165557		0	0.12747E-03	663749.1	4270546.5	73.1	5.00	4.00
4.65	NO							
L0165558		0	0.12747E-03	663740.5	4270546.7	71.9	5.00	4.00
4.65	NO							
L0165559		0	0.12747E-03	663731.9	4270546.9	70.5	5.00	4.00

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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0165560		0	0.12747E-03	663723.3	4270547.1	69.1	5.00	4.00
4.65	NO							
L0165561		0	0.12747E-03	663714.7	4270547.3	68.1	5.00	4.00
4.65	NO							
L0165562		0	0.12747E-03	663706.1	4270547.5	67.1	5.00	4.00

4.65	NO							
L0165563		0	0.12747E-03	663697.5	4270547.8	66.2	5.00	4.00
4.65	NO							
L0165564		0	0.12747E-03	663688.9	4270548.0	65.7	5.00	4.00
4.65	NO							
L0165565		0	0.12747E-03	663680.3	4270548.2	65.1	5.00	4.00
4.65	NO							
L0165566		0	0.12747E-03	663671.7	4270548.4	64.7	5.00	4.00
4.65	NO							
L0165567		0	0.12747E-03	663663.1	4270548.6	64.5	5.00	4.00
4.65	NO							
L0165568		0	0.12747E-03	663654.5	4270548.8	64.2	5.00	4.00
4.65	NO							
L0165569		0	0.12747E-03	663645.9	4270549.0	64.1	5.00	4.00
4.65	NO							
L0165570		0	0.12747E-03	663637.3	4270549.3	64.2	5.00	4.00
4.65	NO							
L0165571		0	0.12747E-03	663628.7	4270549.5	64.2	5.00	4.00
4.65	NO							
L0165572		0	0.12747E-03	663620.1	4270549.7	63.9	5.00	4.00
4.65	NO							
L0165573		0	0.12747E-03	663611.5	4270549.9	63.4	5.00	4.00
4.65	NO							
L0165574		0	0.12747E-03	663602.9	4270550.1	62.9	5.00	4.00
4.65	NO							
L0165575		0	0.12747E-03	663594.3	4270550.3	61.8	5.00	4.00
4.65	NO							
L0165576		0	0.12747E-03	663585.7	4270550.6	60.7	5.00	4.00
4.65	NO							
L0165577		0	0.12747E-03	663577.1	4270550.8	59.6	5.00	4.00
4.65	NO							
L0165578		0	0.12747E-03	663568.5	4270551.0	58.8	5.00	4.00
4.65	NO							
L0165579		0	0.12747E-03	663559.9	4270551.2	58.1	5.00	4.00
4.65	NO							
L0165580		0	0.12747E-03	663551.3	4270551.4	57.5	5.00	4.00
4.65	NO							
L0165581		0	0.12747E-03	663542.7	4270551.6	57.2	5.00	4.00
4.65	NO							
L0165582		0	0.12747E-03	663534.1	4270551.8	56.9	5.00	4.00
4.65	NO							
L0165583		0	0.12747E-03	663525.5	4270552.1	56.6	5.00	4.00
4.65	NO							
L0157739		0	0.12747E-03	661050.1	4272964.3	88.6	5.00	4.00
4.65	NO							
L0157740		0	0.12747E-03	661041.5	4272964.2	89.1	5.00	4.00
4.65	NO							
L0157741		0	0.12747E-03	661032.9	4272964.0	89.6	5.00	4.00
4.65	NO							
L0157742		0	0.12747E-03	661024.3	4272963.9	90.3	5.00	4.00

4.65	NO							
L0157743		0	0.12747E-03	661015.7	4272963.7	91.0	5.00	4.00
4.65	NO							
L0157744		0	0.12747E-03	661007.1	4272963.5	91.5	5.00	4.00
4.65	NO							
L0157745		0	0.12747E-03	660998.5	4272963.4	91.9	5.00	4.00
4.65	NO							
L0157746		0	0.12747E-03	660989.9	4272963.2	92.3	5.00	4.00
4.65	NO							
L0157747		0	0.12747E-03	660981.3	4272963.1	92.9	5.00	4.00
4.65	NO							
L0157748		0	0.12747E-03	660972.7	4272962.9	93.5	5.00	4.00
4.65	NO							
L0157749		0	0.12747E-03	660964.1	4272962.8	94.1	5.00	4.00
4.65	NO							
L0157750		0	0.12747E-03	660955.5	4272962.6	94.8	5.00	4.00
4.65	NO							
L0157751		0	0.12747E-03	660946.9	4272962.4	95.7	5.00	4.00
4.65	NO							
L0157752		0	0.12747E-03	660938.3	4272962.3	96.5	5.00	4.00
4.65	NO							
L0157753		0	0.12747E-03	660929.7	4272962.1	97.1	5.00	4.00
4.65	NO							
L0157754		0	0.12747E-03	660921.1	4272962.0	97.7	5.00	4.00

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 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								
L0157755		0	0.12747E-03	660912.5	4272961.8	98.2	5.00	4.00
4.65	NO							
L0157756		0	0.12747E-03	660903.9	4272961.6	98.2	5.00	4.00
4.65	NO							
L0157757		0	0.12747E-03	660895.3	4272961.5	98.2	5.00	4.00



4.65	NO							
L0157758		0	0.12747E-03	660886.7	4272961.3	98.1	5.00	4.00
4.65	NO							
L0157759		0	0.12747E-03	660878.1	4272961.2	98.1	5.00	4.00
4.65	NO							
L0157760		0	0.12747E-03	660869.5	4272961.0	98.1	5.00	4.00
4.65	NO							
L0157761		0	0.12747E-03	660860.9	4272960.8	98.0	5.00	4.00
4.65	NO							
L0157762		0	0.12747E-03	660852.3	4272960.7	98.0	5.00	4.00
4.65	NO							
L0157763		0	0.12747E-03	660843.7	4272960.5	97.9	5.00	4.00
4.65	NO							
L0157764		0	0.12747E-03	660835.1	4272960.4	97.8	5.00	4.00
4.65	NO							
L0157765		0	0.12747E-03	660826.5	4272960.2	97.8	5.00	4.00
4.65	NO							
L0157766		0	0.12747E-03	660817.9	4272960.0	97.8	5.00	4.00
4.65	NO							
L0157767		0	0.12747E-03	660809.3	4272959.9	97.7	5.00	4.00
4.65	NO							
L0157768		0	0.12747E-03	660800.7	4272959.7	97.7	5.00	4.00
4.65	NO							
L0157769		0	0.12747E-03	660792.1	4272959.6	97.6	5.00	4.00
4.65	NO							
L0157770		0	0.12747E-03	660783.5	4272959.4	97.6	5.00	4.00
4.65	NO							
L0157771		0	0.12747E-03	660774.9	4272959.2	97.6	5.00	4.00
4.65	NO							
L0157772		0	0.12747E-03	660766.3	4272959.1	97.5	5.00	4.00
4.65	NO							
L0157773		0	0.12747E-03	660757.7	4272958.9	97.5	5.00	4.00
4.65	NO							
L0157774		0	0.12747E-03	660749.1	4272958.8	97.5	5.00	4.00
4.65	NO							
L0157775		0	0.12747E-03	660740.5	4272958.6	97.5	5.00	4.00
4.65	NO							
L0157776		0	0.12747E-03	660731.9	4272958.5	97.5	5.00	4.00
4.65	NO							
L0157777		0	0.12747E-03	660723.3	4272958.3	97.4	5.00	4.00
4.65	NO							
L0157778		0	0.12747E-03	660714.7	4272958.1	97.4	5.00	4.00
4.65	NO							
L0157779		0	0.12747E-03	660706.1	4272958.0	97.4	5.00	4.00
4.65	NO							
L0157780		0	0.12747E-03	660697.5	4272957.8	97.3	5.00	4.00
4.65	NO							
L0157781		0	0.12747E-03	660688.9	4272957.7	97.3	5.00	4.00
4.65	NO							
L0157782		0	0.12747E-03	660680.3	4272957.5	97.3	5.00	4.00

4.65	NO							
L0157783		0	0.12747E-03	660671.7	4272957.3	97.2	5.00	4.00
4.65	NO							
L0157784		0	0.12747E-03	660663.1	4272957.2	97.2	5.00	4.00
4.65	NO							
L0157785		0	0.12747E-03	660654.5	4272957.0	97.2	5.00	4.00
4.65	NO							
L0157786		0	0.12747E-03	660645.9	4272956.9	97.1	5.00	4.00
4.65	NO							
L0157787		0	0.12747E-03	660637.3	4272956.7	97.1	5.00	4.00
4.65	NO							
L0157788		0	0.12747E-03	660628.7	4272956.5	97.1	5.00	4.00
4.65	NO							
L0157789		0	0.12747E-03	660620.1	4272956.4	97.0	5.00	4.00
4.65	NO							
L0157790		0	0.12747E-03	660611.6	4272956.2	96.9	5.00	4.00
4.65	NO							
L0157791		0	0.12747E-03	660603.0	4272956.1	96.8	5.00	4.00
4.65	NO							
L0157792		0	0.12747E-03	660594.4	4272955.9	96.8	5.00	4.00
4.65	NO							
L0157793		0	0.12747E-03	660585.8	4272955.7	96.7	5.00	4.00
4.65	NO							
L0157794		0	0.12747E-03	660577.2	4272955.6	96.7	5.00	4.00

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 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0157795		0	0.12747E-03	660568.6	4272955.4	96.6	5.00	4.00
4.65	NO							
L0157796		0	0.12747E-03	660560.0	4272955.3	96.6	5.00	4.00
4.65	NO							
L0157797		0	0.12747E-03	660551.4	4272955.1	96.6	5.00	4.00

4.65	NO							
L0157798		0	0.12747E-03	660542.8	4272954.9	96.6	5.00	4.00
4.65	NO							
L0157799		0	0.12747E-03	660534.2	4272954.8	96.6	5.00	4.00
4.65	NO							
L0157800		0	0.12747E-03	660525.6	4272954.6	96.6	5.00	4.00
4.65	NO							
L0157801		0	0.12747E-03	660517.0	4272954.5	96.5	5.00	4.00
4.65	NO							
L0157802		0	0.12747E-03	660508.4	4272954.3	96.5	5.00	4.00
4.65	NO							
L0157803		0	0.12747E-03	660499.8	4272954.2	96.5	5.00	4.00
4.65	NO							
L0157804		0	0.12747E-03	660491.2	4272954.0	96.4	5.00	4.00
4.65	NO							
L0157805		0	0.12747E-03	660482.6	4272953.8	96.3	5.00	4.00
4.65	NO							
L0157806		0	0.12747E-03	660474.0	4272953.7	96.3	5.00	4.00
4.65	NO							
L0157807		0	0.12747E-03	660465.4	4272953.5	96.3	5.00	4.00
4.65	NO							
L0157808		0	0.12747E-03	660456.8	4272953.4	96.3	5.00	4.00
4.65	NO							
L0157809		0	0.12747E-03	660448.2	4272953.2	96.3	5.00	4.00
4.65	NO							
L0157810		0	0.12747E-03	660439.6	4272953.0	96.2	5.00	4.00
4.65	NO							
L0157811		0	0.12747E-03	660431.0	4272952.9	96.2	5.00	4.00
4.65	NO							
L0157812		0	0.12747E-03	660422.4	4272952.7	96.1	5.00	4.00
4.65	NO							
L0157813		0	0.12747E-03	660413.8	4272952.6	96.1	5.00	4.00
4.65	NO							
L0157814		0	0.12747E-03	660405.2	4272952.4	96.1	5.00	4.00
4.65	NO							
L0157815		0	0.12747E-03	660396.6	4272952.2	96.0	5.00	4.00
4.65	NO							
L0157816		0	0.12747E-03	660388.0	4272952.1	96.0	5.00	4.00
4.65	NO							
L0157817		0	0.12747E-03	660379.4	4272951.9	95.9	5.00	4.00
4.65	NO							
L0157818		0	0.12747E-03	660370.8	4272951.8	95.9	5.00	4.00
4.65	NO							
L0157819		0	0.12747E-03	660362.2	4272951.6	95.8	5.00	4.00
4.65	NO							
L0157820		0	0.12747E-03	660353.6	4272951.4	95.8	5.00	4.00
4.65	NO							
L0157821		0	0.12747E-03	660345.0	4272951.3	95.8	5.00	4.00
4.65	NO							
L0157822		0	0.12747E-03	660336.4	4272951.1	95.8	5.00	4.00

4.65	NO							
L0157823		0	0.12747E-03	660327.8	4272951.0	95.8	5.00	4.00
4.65	NO							
L0157824		0	0.12747E-03	660319.2	4272950.8	95.8	5.00	4.00
4.65	NO							
L0157825		0	0.12747E-03	660310.6	4272950.6	95.8	5.00	4.00
4.65	NO							
L0157826		0	0.12747E-03	660302.0	4272950.5	95.9	5.00	4.00
4.65	NO							
L0157827		0	0.12747E-03	660293.4	4272950.3	95.9	5.00	4.00
4.65	NO							
L0157828		0	0.12747E-03	660284.8	4272950.2	95.9	5.00	4.00
4.65	NO							
L0157829		0	0.12747E-03	660276.2	4272950.0	95.9	5.00	4.00
4.65	NO							
L0157830		0	0.12747E-03	660267.6	4272949.9	95.8	5.00	4.00
4.65	NO							
L0157831		0	0.12747E-03	660259.0	4272949.7	95.7	5.00	4.00
4.65	NO							
L0157832		0	0.12747E-03	660250.4	4272949.5	95.7	5.00	4.00
4.65	NO							
L0157833		0	0.12747E-03	660241.8	4272949.4	95.6	5.00	4.00
4.65	NO							
L0157834		0	0.12747E-03	660233.2	4272949.2	95.5	5.00	4.00

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 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								
L0157835		0	0.12747E-03	660224.6	4272949.1	95.4	5.00	4.00
4.65	NO							
L0157836		0	0.12747E-03	660216.0	4272948.9	95.3	5.00	4.00
4.65	NO							
L0157837		0	0.12747E-03	660207.4	4272948.7	95.2	5.00	4.00

4.65	NO							
L0157838		0	0.12747E-03	660198.8	4272948.6	95.1	5.00	4.00
4.65	NO							
L0157839		0	0.12747E-03	660190.2	4272948.4	95.0	5.00	4.00
4.65	NO							
L0157840		0	0.12747E-03	660181.6	4272948.3	94.8	5.00	4.00
4.65	NO							
L0157841		0	0.12747E-03	660173.0	4272948.1	94.7	5.00	4.00
4.65	NO							
L0157842		0	0.12747E-03	660164.4	4272947.9	94.6	5.00	4.00
4.65	NO							
L0157843		0	0.12747E-03	660155.8	4272947.8	94.4	5.00	4.00
4.65	NO							
L0157844		0	0.12747E-03	660147.2	4272947.6	94.3	5.00	4.00
4.65	NO							
L0157845		0	0.12747E-03	660138.6	4272947.5	94.2	5.00	4.00
4.65	NO							
L0157846		0	0.12747E-03	660130.0	4272947.3	94.1	5.00	4.00
4.65	NO							
L0157847		0	0.12747E-03	660121.4	4272947.1	94.0	5.00	4.00
4.65	NO							
L0157848		0	0.12747E-03	660112.8	4272947.0	93.9	5.00	4.00
4.65	NO							
L0157849		0	0.12747E-03	660104.2	4272946.8	93.8	5.00	4.00
4.65	NO							
L0157850		0	0.12747E-03	660095.6	4272946.7	93.8	5.00	4.00
4.65	NO							
L0157851		0	0.12747E-03	660087.0	4272946.5	93.7	5.00	4.00
4.65	NO							
L0157852		0	0.12747E-03	660078.4	4272946.3	93.6	5.00	4.00
4.65	NO							
L0157853		0	0.12747E-03	660069.8	4272946.2	93.6	5.00	4.00
4.65	NO							
L0157854		0	0.12747E-03	660061.2	4272946.0	93.5	5.00	4.00
4.65	NO							
L0157855		0	0.12747E-03	660052.6	4272945.9	93.5	5.00	4.00
4.65	NO							
L0157856		0	0.12747E-03	660044.0	4272945.7	93.5	5.00	4.00
4.65	NO							
L0157857		0	0.12747E-03	660035.4	4272945.6	93.4	5.00	4.00
4.65	NO							
L0157858		0	0.12747E-03	660026.9	4272945.4	93.4	5.00	4.00
4.65	NO							
L0157859		0	0.12747E-03	660018.3	4272945.2	93.4	5.00	4.00
4.65	NO							
L0157860		0	0.12747E-03	660009.7	4272945.1	93.3	5.00	4.00
4.65	NO							
L0157861		0	0.12747E-03	660001.1	4272944.9	93.3	5.00	4.00
4.65	NO							
L0157862		0	0.12747E-03	659992.5	4272944.8	93.3	5.00	4.00

4.65	NO							
L0157863		0	0.12747E-03	659985.9	4272947.3	93.3	5.00	4.00
4.65	NO							
L0157864		0	0.12747E-03	659983.4	4272955.6	93.3	5.00	4.00
4.65	NO							
L0157865		0	0.12747E-03	659980.9	4272963.8	93.4	5.00	4.00
4.65	NO							
L0157866		0	0.12747E-03	659978.4	4272972.0	93.4	5.00	4.00
4.65	NO							
L0157867		0	0.12747E-03	659975.9	4272980.3	93.4	5.00	4.00
4.65	NO							
L0157868		0	0.12747E-03	659973.4	4272988.5	93.4	5.00	4.00
4.65	NO							
L0157869		0	0.12747E-03	659970.9	4272996.7	93.5	5.00	4.00
4.65	NO							
L0157870		0	0.12747E-03	659968.4	4273005.0	93.5	5.00	4.00
4.65	NO							
L0157871		0	0.12747E-03	659965.9	4273013.2	93.6	5.00	4.00
4.65	NO							
L0157872		0	0.12747E-03	659963.4	4273021.4	93.7	5.00	4.00
4.65	NO							
L0157873		0	0.12747E-03	659960.9	4273029.7	93.8	5.00	4.00
4.65	NO							
L0157874		0	0.12747E-03	659958.4	4273037.9	94.0	5.00	4.00

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 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								
-----								
L0157875		0	0.12747E-03	659955.9	4273046.1	94.0	5.00	4.00
4.65	NO							
L0157876		0	0.12747E-03	659953.4	4273054.3	94.2	5.00	4.00
4.65	NO							
L0157877		0	0.12747E-03	659950.9	4273062.6	94.3	5.00	4.00

4.65	NO							
L0157878		0	0.12747E-03	659948.4	4273070.8	94.5	5.00	4.00
4.65	NO							
L0157879		0	0.12747E-03	659946.0	4273079.0	94.6	5.00	4.00
4.65	NO							
L0157880		0	0.12747E-03	659943.5	4273087.3	94.8	5.00	4.00
4.65	NO							
L0157881		0	0.12747E-03	659941.0	4273095.5	95.0	5.00	4.00
4.65	NO							
L0157882		0	0.12747E-03	659938.5	4273103.7	95.2	5.00	4.00
4.65	NO							
L0157883		0	0.12747E-03	659936.0	4273112.0	95.3	5.00	4.00
4.65	NO							
L0157884		0	0.12747E-03	659933.5	4273120.2	95.3	5.00	4.00
4.65	NO							
L0157885		0	0.12747E-03	659931.0	4273128.4	95.4	5.00	4.00
4.65	NO							
L0157886		0	0.12747E-03	659928.5	4273136.6	95.4	5.00	4.00
4.65	NO							
L0157887		0	0.12747E-03	659926.0	4273144.9	95.4	5.00	4.00
4.65	NO							
L0157888		0	0.12747E-03	659923.5	4273153.1	95.4	5.00	4.00
4.65	NO							
L0157889		0	0.12747E-03	659921.0	4273161.3	95.5	5.00	4.00
4.65	NO							
L0157890		0	0.12747E-03	659914.9	4273157.1	95.4	5.00	4.00
4.65	NO							
L0157891		0	0.12747E-03	659908.3	4273151.5	95.3	5.00	4.00
4.65	NO							
L0157892		0	0.12747E-03	659901.8	4273145.9	95.3	5.00	4.00
4.65	NO							
L0157893		0	0.12747E-03	659895.3	4273140.3	95.3	5.00	4.00
4.65	NO							
L0157894		0	0.12747E-03	659888.8	4273134.7	95.1	5.00	4.00
4.65	NO							
L0157895		0	0.12747E-03	659882.2	4273129.1	95.0	5.00	4.00
4.65	NO							
L0157896		0	0.12747E-03	659875.7	4273123.5	94.9	5.00	4.00
4.65	NO							
L0157897		0	0.12747E-03	659869.2	4273117.9	94.7	5.00	4.00
4.65	NO							
L0157898		0	0.12747E-03	659862.6	4273112.3	94.5	5.00	4.00
4.65	NO							
L0157899		0	0.12747E-03	659856.1	4273106.7	94.3	5.00	4.00
4.65	NO							
L0157900		0	0.12747E-03	659849.6	4273101.1	94.0	5.00	4.00
4.65	NO							
L0157901		0	0.12747E-03	659843.1	4273095.5	93.8	5.00	4.00
4.65	NO							
L0157902		0	0.12747E-03	659836.5	4273089.9	93.5	5.00	4.00

4.65	NO							
L0157903		0	0.12747E-03	659830.0	4273084.3	93.2	5.00	4.00
4.65	NO							
L0157904		0	0.12747E-03	659823.5	4273078.7	93.0	5.00	4.00
4.65	NO							
L0157905		0	0.12747E-03	659816.9	4273073.1	92.8	5.00	4.00
4.65	NO							
L0157906		0	0.12747E-03	659810.4	4273067.5	92.7	5.00	4.00
4.65	NO							
L0157907		0	0.12747E-03	659803.9	4273062.0	92.6	5.00	4.00
4.65	NO							
L0157908		0	0.12747E-03	659797.3	4273056.4	92.5	5.00	4.00
4.65	NO							
L0157909		0	0.12747E-03	659790.8	4273050.8	92.4	5.00	4.00
4.65	NO							
L0157910		0	0.12747E-03	659784.3	4273045.2	92.3	5.00	4.00
4.65	NO							
L0157911		0	0.12747E-03	659777.8	4273039.6	92.3	5.00	4.00
4.65	NO							
L0157912		0	0.12747E-03	659771.2	4273034.0	92.2	5.00	4.00
4.65	NO							
L0157913		0	0.12747E-03	659764.7	4273028.4	92.1	5.00	4.00
4.65	NO							
L0157914		0	0.12747E-03	659758.2	4273022.8	92.1	5.00	4.00

\*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0157915		0	0.12747E-03	659751.6	4273017.2	92.0	5.00	4.00
4.65	NO							
L0157916		0	0.12747E-03	659745.1	4273011.6	91.9	5.00	4.00
4.65	NO							
L0157917		0	0.12747E-03	659738.6	4273006.0	91.8	5.00	4.00



4.65	NO							
L0157918		0	0.12747E-03	659732.1	4273000.4	91.7	5.00	4.00
4.65	NO							
L0157919		0	0.12747E-03	659725.5	4272994.8	91.6	5.00	4.00
4.65	NO							
L0157920		0	0.12747E-03	659719.0	4272989.2	91.5	5.00	4.00
4.65	NO							
L0157921		0	0.12747E-03	659712.5	4272983.6	91.4	5.00	4.00
4.65	NO							
L0157922		0	0.12747E-03	659705.9	4272978.0	91.2	5.00	4.00
4.65	NO							
L0157923		0	0.12747E-03	659699.4	4272972.4	91.0	5.00	4.00
4.65	NO							
L0157924		0	0.12747E-03	659692.9	4272966.8	90.9	5.00	4.00
4.65	NO							
L0157925		0	0.12747E-03	659695.0	4272963.7	90.9	5.00	4.00
4.65	NO							
L0157926		0	0.12747E-03	659703.5	4272962.4	91.1	5.00	4.00
4.65	NO							
L0157927		0	0.12747E-03	659712.0	4272961.1	91.3	5.00	4.00
4.65	NO							
L0157928		0	0.12747E-03	659720.5	4272959.8	91.5	5.00	4.00
4.65	NO							
L0157929		0	0.12747E-03	659729.0	4272958.5	91.7	5.00	4.00
4.65	NO							
L0157930		0	0.12747E-03	659737.5	4272957.2	91.8	5.00	4.00
4.65	NO							
L0157931		0	0.12747E-03	659746.0	4272956.0	91.9	5.00	4.00
4.65	NO							
L0157932		0	0.12747E-03	659754.5	4272954.7	92.0	5.00	4.00
4.65	NO							
L0157933		0	0.12747E-03	659763.0	4272953.4	92.1	5.00	4.00
4.65	NO							
L0157934		0	0.12747E-03	659771.5	4272952.1	92.1	5.00	4.00
4.65	NO							
L0157935		0	0.12747E-03	659780.0	4272950.8	92.1	5.00	4.00
4.65	NO							
L0157936		0	0.12747E-03	659788.5	4272949.5	92.1	5.00	4.00
4.65	NO							
L0157937		0	0.12747E-03	659797.0	4272948.2	92.1	5.00	4.00
4.65	NO							
L0157938		0	0.12747E-03	659805.5	4272946.9	92.1	5.00	4.00
4.65	NO							
L0157939		0	0.12747E-03	659814.0	4272945.6	92.2	5.00	4.00
4.65	NO							
L0157940		0	0.12747E-03	659822.5	4272944.4	92.2	5.00	4.00
4.65	NO							
L0157941		0	0.12747E-03	659831.0	4272943.1	92.3	5.00	4.00
4.65	NO							
L0157942		0	0.12747E-03	659839.5	4272941.8	92.4	5.00	4.00

4.65	NO							
L0157943		0	0.12747E-03	659848.0	4272940.5	92.5	5.00	4.00
4.65	NO							
L0157944		0	0.12747E-03	659856.5	4272939.2	92.5	5.00	4.00
4.65	NO							
L0157945		0	0.12747E-03	659865.0	4272937.9	92.6	5.00	4.00
4.65	NO							
L0157946		0	0.12747E-03	659873.5	4272936.6	92.6	5.00	4.00
4.65	NO							
L0157947		0	0.12747E-03	659882.0	4272935.3	92.7	5.00	4.00
4.65	NO							
L0157948		0	0.12747E-03	659890.5	4272934.1	92.8	5.00	4.00
4.65	NO							
L0157949		0	0.12747E-03	659899.0	4272932.8	92.9	5.00	4.00
4.65	NO							
L0157950		0	0.12747E-03	659907.6	4272931.5	93.0	5.00	4.00
4.65	NO							
L0157951		0	0.12747E-03	659907.1	4272940.0	93.1	5.00	4.00
4.65	NO							
L0157952		0	0.12747E-03	659906.6	4272948.6	93.1	5.00	4.00
4.65	NO							
L0157953		0	0.12747E-03	659906.2	4272957.2	93.2	5.00	4.00
4.65	NO							
L0157954		0	0.12747E-03	659905.7	4272965.8	93.3	5.00	4.00

\*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								
-----								
L0157955		0	0.12747E-03	659905.2	4272974.4	93.3	5.00	4.00
4.65	NO							
L0157956		0	0.12747E-03	659904.7	4272983.0	93.4	5.00	4.00
4.65	NO							
L0157957		0	0.12747E-03	659904.2	4272991.5	93.4	5.00	4.00

4.65	NO							
L0157958		0	0.12747E-03	659903.8	4273000.1	93.5	5.00	4.00
4.65	NO							
L0157959		0	0.12747E-03	659903.3	4273008.7	93.6	5.00	4.00
4.65	NO							
L0157960		0	0.12747E-03	659902.8	4273017.3	93.6	5.00	4.00
4.65	NO							
L0157961		0	0.12747E-03	659902.3	4273025.9	93.8	5.00	4.00
4.65	NO							
L0157962		0	0.12747E-03	659901.9	4273034.5	94.0	5.00	4.00
4.65	NO							
L0157963		0	0.12747E-03	659901.4	4273043.1	94.1	5.00	4.00
4.65	NO							
L0157964		0	0.12747E-03	659899.7	4273049.3	94.2	5.00	4.00
4.65	NO							
L0157965		0	0.12747E-03	659892.5	4273044.6	94.0	5.00	4.00
4.65	NO							
L0157966		0	0.12747E-03	659885.2	4273040.0	93.8	5.00	4.00
4.65	NO							
L0157967		0	0.12747E-03	659878.0	4273035.3	93.6	5.00	4.00
4.65	NO							
L0157968		0	0.12747E-03	659870.8	4273030.7	93.4	5.00	4.00
4.65	NO							
L0157969		0	0.12747E-03	659863.5	4273026.0	93.2	5.00	4.00
4.65	NO							
L0157970		0	0.12747E-03	659856.3	4273021.4	93.0	5.00	4.00
4.65	NO							
L0157971		0	0.12747E-03	659849.1	4273016.7	92.8	5.00	4.00
4.65	NO							
L0157972		0	0.12747E-03	659841.8	4273012.1	92.8	5.00	4.00
4.65	NO							
L0157973		0	0.12747E-03	659834.6	4273007.4	92.8	5.00	4.00
4.65	NO							
L0157974		0	0.12747E-03	659827.4	4273002.8	92.7	5.00	4.00
4.65	NO							
L0157975		0	0.12747E-03	659820.1	4272998.1	92.7	5.00	4.00
4.65	NO							
L0157976		0	0.12747E-03	659812.9	4272993.5	92.6	5.00	4.00
4.65	NO							
L0157977		0	0.12747E-03	663499.2	4270563.1	55.7	5.00	4.00
4.65	NO							
L0157978		0	0.12747E-03	663498.4	4270571.7	56.3	5.00	4.00
4.65	NO							
L0157979		0	0.12747E-03	663497.6	4270580.2	56.9	5.00	4.00
4.65	NO							
L0157980		0	0.12747E-03	663496.9	4270588.8	57.5	5.00	4.00
4.65	NO							
L0157981		0	0.12747E-03	663496.1	4270597.4	57.8	5.00	4.00
4.65	NO							
L0157982		0	0.12747E-03	663495.3	4270605.9	58.1	5.00	4.00

4.65	NO							
L0157983		0	0.12747E-03	663494.6	4270614.5	58.4	5.00	4.00
4.65	NO							
L0157984		0	0.12747E-03	663493.8	4270623.0	58.6	5.00	4.00
4.65	NO							
L0157985		0	0.12747E-03	663493.0	4270631.6	58.2	5.00	4.00
4.65	NO							
L0157986		0	0.12747E-03	663492.3	4270640.2	57.8	5.00	4.00
4.65	NO							
L0157987		0	0.12747E-03	663491.5	4270648.7	57.4	5.00	4.00
4.65	NO							
L0157988		0	0.12747E-03	663490.7	4270657.3	57.1	5.00	4.00
4.65	NO							
L0157989		0	0.12747E-03	663490.0	4270665.9	57.0	5.00	4.00
4.65	NO							
L0157990		0	0.12747E-03	663489.2	4270674.4	56.9	5.00	4.00
4.65	NO							
L0157991		0	0.12747E-03	663488.4	4270683.0	56.8	5.00	4.00
4.65	NO							
L0157992		0	0.12747E-03	663487.7	4270691.6	57.3	5.00	4.00
4.65	NO							
L0157993		0	0.12747E-03	663486.9	4270700.1	58.0	5.00	4.00
4.65	NO							
L0157994		0	0.12747E-03	663486.1	4270708.7	58.7	5.00	4.00

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 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0157995		0	0.12747E-03	663485.4	4270717.3	59.4	5.00	4.00
4.65	NO							
L0157996		0	0.12747E-03	663484.6	4270725.8	60.2	5.00	4.00
4.65	NO							
L0157997		0	0.12747E-03	663483.8	4270734.4	61.0	5.00	4.00

4.65	NO							
L0157998		0	0.12747E-03	663483.1	4270743.0	61.9	5.00	4.00
4.65	NO							
L0157999		0	0.12747E-03	663482.3	4270751.5	62.6	5.00	4.00
4.65	NO							
L0158000		0	0.12747E-03	663481.5	4270760.1	63.3	5.00	4.00
4.65	NO							
L0158001		0	0.12747E-03	663480.8	4270768.7	64.0	5.00	4.00
4.65	NO							
L0158002		0	0.12747E-03	663480.0	4270777.2	64.7	5.00	4.00
4.65	NO							
L0158003		0	0.12747E-03	663479.2	4270785.8	65.6	5.00	4.00
4.65	NO							
L0158004		0	0.12747E-03	663478.5	4270794.4	66.5	5.00	4.00
4.65	NO							
L0158005		0	0.12747E-03	663477.7	4270802.9	67.5	5.00	4.00
4.65	NO							
L0158006		0	0.12747E-03	663476.9	4270811.5	68.2	5.00	4.00
4.65	NO							
L0158007		0	0.12747E-03	663476.2	4270820.1	68.8	5.00	4.00
4.65	NO							
L0158008		0	0.12747E-03	663475.4	4270828.6	69.3	5.00	4.00
4.65	NO							
L0158009		0	0.12747E-03	663474.6	4270837.2	69.8	5.00	4.00
4.65	NO							
L0158010		0	0.12747E-03	663473.9	4270845.8	70.2	5.00	4.00
4.65	NO							
L0158011		0	0.12747E-03	663473.1	4270854.3	70.7	5.00	4.00
4.65	NO							
L0158012		0	0.12747E-03	663472.3	4270862.9	71.2	5.00	4.00
4.65	NO							
L0158013		0	0.12747E-03	663471.6	4270871.5	71.6	5.00	4.00
4.65	NO							
L0158014		0	0.12747E-03	663470.8	4270880.0	71.9	5.00	4.00
4.65	NO							
L0158015		0	0.12747E-03	663470.0	4270888.6	72.1	5.00	4.00
4.65	NO							
L0158016		0	0.12747E-03	663469.3	4270897.2	72.4	5.00	4.00
4.65	NO							
L0158017		0	0.12747E-03	663468.5	4270905.7	72.3	5.00	4.00
4.65	NO							
L0158018		0	0.12747E-03	663467.7	4270914.3	72.2	5.00	4.00
4.65	NO							
L0158019		0	0.12747E-03	663467.0	4270922.9	72.1	5.00	4.00
4.65	NO							
L0158020		0	0.12747E-03	663466.2	4270931.4	71.9	5.00	4.00
4.65	NO							
L0158021		0	0.12747E-03	663465.4	4270940.0	71.1	5.00	4.00
4.65	NO							
L0158022		0	0.12747E-03	663464.7	4270948.5	70.3	5.00	4.00

4.65	NO							
L0158023		0	0.12747E-03	663463.9	4270957.1	69.5	5.00	4.00
4.65	NO							
L0158024		0	0.12747E-03	663463.1	4270965.7	68.2	5.00	4.00
4.65	NO							
L0158025		0	0.12747E-03	663462.4	4270974.2	66.4	5.00	4.00
4.65	NO							
L0158026		0	0.12747E-03	663461.6	4270982.8	64.7	5.00	4.00
4.65	NO							
L0158027		0	0.12747E-03	663460.8	4270991.4	62.9	5.00	4.00
4.65	NO							
L0158028		0	0.12747E-03	663460.1	4270999.9	61.4	5.00	4.00
4.65	NO							
L0158029		0	0.12747E-03	663459.3	4271008.5	59.9	5.00	4.00
4.65	NO							
L0158030		0	0.12747E-03	663458.5	4271017.1	58.5	5.00	4.00
4.65	NO							
L0158031		0	0.12747E-03	663457.8	4271025.6	57.4	5.00	4.00
4.65	NO							
L0158032		0	0.12747E-03	663457.0	4271034.2	57.0	5.00	4.00
4.65	NO							
L0158033		0	0.12747E-03	663456.2	4271042.8	56.6	5.00	4.00
4.65	NO							
L0158034		0	0.12747E-03	663455.5	4271051.3	56.3	5.00	4.00

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 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								
-----								
L0158035		0	0.12747E-03	663454.7	4271059.9	56.3	5.00	4.00
4.65	NO							
L0158036		0	0.12747E-03	663453.9	4271068.5	56.4	5.00	4.00
4.65	NO							
L0158037		0	0.12747E-03	663453.2	4271077.0	56.6	5.00	4.00

4.65	NO							
L0158038		0	0.12747E-03	663452.4	4271085.6	56.8	5.00	4.00
4.65	NO							
L0158039		0	0.12747E-03	663451.6	4271094.2	57.3	5.00	4.00
4.65	NO							
L0158040		0	0.12747E-03	663450.9	4271102.7	57.9	5.00	4.00
4.65	NO							
L0158041		0	0.12747E-03	663450.1	4271111.3	58.4	5.00	4.00
4.65	NO							
L0158042		0	0.12747E-03	663449.3	4271119.9	59.1	5.00	4.00
4.65	NO							
L0158043		0	0.12747E-03	663448.6	4271128.4	59.9	5.00	4.00
4.65	NO							
L0158044		0	0.12747E-03	663447.8	4271137.0	60.7	5.00	4.00
4.65	NO							
L0158045		0	0.12747E-03	663447.0	4271145.6	61.4	5.00	4.00
4.65	NO							
L0158046		0	0.12747E-03	663446.3	4271154.1	62.3	5.00	4.00
4.65	NO							
L0158047		0	0.12747E-03	663445.5	4271162.7	63.1	5.00	4.00
4.65	NO							
L0158048		0	0.12747E-03	663444.7	4271171.3	63.9	5.00	4.00
4.65	NO							
L0158049		0	0.12747E-03	663444.0	4271179.8	64.5	5.00	4.00
4.65	NO							
L0158050		0	0.12747E-03	663443.2	4271188.4	64.8	5.00	4.00
4.65	NO							
L0158051		0	0.12747E-03	663442.4	4271197.0	65.2	5.00	4.00
4.65	NO							
L0158052		0	0.12747E-03	663441.7	4271205.5	65.6	5.00	4.00
4.65	NO							
L0158053		0	0.12747E-03	663440.9	4271214.1	65.8	5.00	4.00
4.65	NO							
L0158054		0	0.12747E-03	663440.1	4271222.7	66.0	5.00	4.00
4.65	NO							
L0158055		0	0.12747E-03	663439.4	4271231.2	66.2	5.00	4.00
4.65	NO							
L0158056		0	0.12747E-03	663438.6	4271239.8	66.4	5.00	4.00
4.65	NO							
L0158057		0	0.12747E-03	663437.8	4271248.4	66.3	5.00	4.00
4.65	NO							
L0158058		0	0.12747E-03	663437.1	4271256.9	66.2	5.00	4.00
4.65	NO							
L0158059		0	0.12747E-03	663436.3	4271265.5	66.1	5.00	4.00
4.65	NO							
L0158060		0	0.12747E-03	663435.5	4271274.0	65.8	5.00	4.00
4.65	NO							
L0158061		0	0.12747E-03	663434.8	4271282.6	65.5	5.00	4.00
4.65	NO							
L0158062		0	0.12747E-03	663434.0	4271291.2	65.2	5.00	4.00

4.65	NO							
L0158063		0	0.12747E-03	663433.2	4271299.7	65.0	5.00	4.00
4.65	NO							
L0158064		0	0.12747E-03	663432.5	4271308.3	64.3	5.00	4.00
4.65	NO							
L0158065		0	0.12747E-03	663431.7	4271316.9	63.6	5.00	4.00
4.65	NO							
L0158066		0	0.12747E-03	663430.9	4271325.4	62.9	5.00	4.00
4.65	NO							
L0158067		0	0.12747E-03	663430.2	4271334.0	62.2	5.00	4.00
4.65	NO							
L0158068		0	0.12747E-03	663429.4	4271342.6	61.5	5.00	4.00
4.65	NO							
L0158069		0	0.12747E-03	663428.6	4271351.1	60.8	5.00	4.00
4.65	NO							
L0158070		0	0.12747E-03	663427.9	4271359.7	60.1	5.00	4.00
4.65	NO							
L0158071		0	0.12747E-03	663427.1	4271368.3	60.0	5.00	4.00
4.65	NO							
L0158072		0	0.12747E-03	663426.3	4271376.8	60.1	5.00	4.00
4.65	NO							
L0158073		0	0.12747E-03	663425.6	4271385.4	60.1	5.00	4.00
4.65	NO							
L0158074		0	0.12747E-03	663424.8	4271394.0	60.3	5.00	4.00

^ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0158075		0	0.12747E-03	663424.0	4271402.5	60.9	5.00	4.00
4.65	NO							
L0158076		0	0.12747E-03	663423.3	4271411.1	61.4	5.00	4.00
4.65	NO							
L0158077		0	0.12747E-03	663422.5	4271419.7	61.9	5.00	4.00



4.65	NO							
L0158078		0	0.12747E-03	663421.7	4271428.2	63.2	5.00	4.00
4.65	NO							
L0158079		0	0.12747E-03	663421.0	4271436.8	64.9	5.00	4.00
4.65	NO							
L0158080		0	0.12747E-03	663420.2	4271445.4	66.7	5.00	4.00
4.65	NO							
L0158081		0	0.12747E-03	663419.4	4271453.9	68.5	5.00	4.00
4.65	NO							
L0158082		0	0.12747E-03	663418.7	4271462.5	69.4	5.00	4.00
4.65	NO							
L0158083		0	0.12747E-03	663417.9	4271471.1	70.2	5.00	4.00
4.65	NO							
L0158084		0	0.12747E-03	663417.1	4271479.6	71.1	5.00	4.00
4.65	NO							
L0158085		0	0.12747E-03	663416.4	4271488.2	71.4	5.00	4.00
4.65	NO							
L0158086		0	0.12747E-03	663415.6	4271496.8	71.1	5.00	4.00
4.65	NO							
L0158087		0	0.12747E-03	663414.8	4271505.3	70.8	5.00	4.00
4.65	NO							
L0158088		0	0.12747E-03	663414.1	4271513.9	70.4	5.00	4.00
4.65	NO							
L0158089		0	0.12747E-03	663413.3	4271522.5	69.5	5.00	4.00
4.65	NO							
L0158090		0	0.12747E-03	663412.5	4271531.0	68.6	5.00	4.00
4.65	NO							
L0158091		0	0.12747E-03	663411.8	4271539.6	67.6	5.00	4.00
4.65	NO							
L0158092		0	0.12747E-03	663411.0	4271548.2	66.7	5.00	4.00
4.65	NO							
L0158093		0	0.12747E-03	663410.2	4271556.7	65.8	5.00	4.00
4.65	NO							
L0158094		0	0.12747E-03	663409.5	4271565.3	65.0	5.00	4.00
4.65	NO							
L0158095		0	0.12747E-03	663408.7	4271573.9	64.1	5.00	4.00
4.65	NO							
L0158096		0	0.12747E-03	663408.0	4271582.4	64.1	5.00	4.00
4.65	NO							
L0158097		0	0.12747E-03	663407.2	4271591.0	64.4	5.00	4.00
4.65	NO							
L0158098		0	0.12747E-03	663406.4	4271599.5	64.7	5.00	4.00
4.65	NO							
L0158099		0	0.12747E-03	663405.7	4271608.1	65.0	5.00	4.00
4.65	NO							
L0158100		0	0.12747E-03	663404.9	4271616.7	65.5	5.00	4.00
4.65	NO							
L0158101		0	0.12747E-03	663404.1	4271625.2	66.0	5.00	4.00
4.65	NO							
L0158102		0	0.12747E-03	663403.4	4271633.8	66.5	5.00	4.00

4.65	NO							
L0158103		0	0.12747E-03	663402.6	4271642.4	66.9	5.00	4.00
4.65	NO							
L0158104		0	0.12747E-03	663401.8	4271650.9	67.4	5.00	4.00
4.65	NO							
L0158105		0	0.12747E-03	663401.1	4271659.5	67.9	5.00	4.00
4.65	NO							
L0158106		0	0.12747E-03	663400.3	4271668.1	68.4	5.00	4.00
4.65	NO							
L0158107		0	0.12747E-03	663399.5	4271676.6	68.7	5.00	4.00
4.65	NO							
L0158108		0	0.12747E-03	663398.8	4271685.2	69.0	5.00	4.00
4.65	NO							
L0158109		0	0.12747E-03	663398.0	4271693.8	69.2	5.00	4.00
4.65	NO							
L0158110		0	0.12747E-03	663397.2	4271702.3	69.5	5.00	4.00
4.65	NO							
L0158111		0	0.12747E-03	663396.5	4271710.9	69.6	5.00	4.00
4.65	NO							
L0158112		0	0.12747E-03	663395.7	4271719.5	69.8	5.00	4.00
4.65	NO							
L0158113		0	0.12747E-03	663394.9	4271728.0	69.9	5.00	4.00
4.65	NO							
L0158114		0	0.12747E-03	663394.2	4271736.6	70.5	5.00	4.00

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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								
L0158115		0	0.12747E-03	663393.4	4271745.2	71.2	5.00	4.00
4.65	NO							
L0158116		0	0.12747E-03	663392.6	4271753.7	71.9	5.00	4.00
4.65	NO							
L0158117		0	0.12747E-03	663391.9	4271762.3	72.7	5.00	4.00

4.65	NO							
L0158118		0	0.12747E-03	663391.1	4271770.9	73.7	5.00	4.00
4.65	NO							
L0158119		0	0.12747E-03	663390.3	4271779.4	74.8	5.00	4.00
4.65	NO							
L0158120		0	0.12747E-03	663389.6	4271788.0	75.9	5.00	4.00
4.65	NO							
L0158121		0	0.12747E-03	663388.8	4271796.6	76.8	5.00	4.00
4.65	NO							
L0158122		0	0.12747E-03	663388.0	4271805.1	77.7	5.00	4.00
4.65	NO							
L0158123		0	0.12747E-03	663384.8	4271811.0	78.1	5.00	4.00
4.65	NO							
L0158124		0	0.12747E-03	663376.2	4271810.8	77.3	5.00	4.00
4.65	NO							
L0158125		0	0.12747E-03	663367.6	4271810.5	76.4	5.00	4.00
4.65	NO							
L0158126		0	0.12747E-03	663359.0	4271810.3	75.5	5.00	4.00
4.65	NO							
L0158127		0	0.12747E-03	663350.4	4271810.1	75.1	5.00	4.00
4.65	NO							
L0158128		0	0.12747E-03	663341.8	4271809.9	74.7	5.00	4.00
4.65	NO							
L0158129		0	0.12747E-03	663333.3	4271809.7	74.3	5.00	4.00
4.65	NO							
L0158130		0	0.12747E-03	663324.7	4271809.5	74.2	5.00	4.00
4.65	NO							
L0158131		0	0.12747E-03	663316.1	4271809.3	74.1	5.00	4.00
4.65	NO							
L0158132		0	0.12747E-03	663307.5	4271809.0	74.2	5.00	4.00
4.65	NO							
L0158133		0	0.12747E-03	663298.9	4271808.8	74.8	5.00	4.00
4.65	NO							
L0158134		0	0.12747E-03	663290.3	4271808.6	75.3	5.00	4.00
4.65	NO							
L0158135		0	0.12747E-03	663281.7	4271808.4	76.1	5.00	4.00
4.65	NO							
L0158136		0	0.12747E-03	663273.1	4271808.2	77.0	5.00	4.00
4.65	NO							
L0158137		0	0.12747E-03	663264.5	4271808.0	77.9	5.00	4.00
4.65	NO							
L0158138		0	0.12747E-03	663255.9	4271807.8	78.8	5.00	4.00
4.65	NO							
L0158139		0	0.12747E-03	663247.3	4271807.5	79.7	5.00	4.00
4.65	NO							
L0158140		0	0.12747E-03	663238.7	4271807.3	80.6	5.00	4.00
4.65	NO							
L0158141		0	0.12747E-03	663230.1	4271807.1	80.9	5.00	4.00
4.65	NO							
L0158142		0	0.12747E-03	663221.5	4271806.9	81.0	5.00	4.00

4.65	NO							
L0158143		0	0.12747E-03	663212.9	4271806.7	81.2	5.00	4.00
4.65	NO							
L0158144		0	0.12747E-03	663204.3	4271806.5	80.6	5.00	4.00
4.65	NO							
L0158145		0	0.12747E-03	663195.7	4271806.2	80.0	5.00	4.00
4.65	NO							
L0158146		0	0.12747E-03	663187.1	4271806.0	79.3	5.00	4.00
4.65	NO							
L0158147		0	0.12747E-03	663178.5	4271805.8	78.8	5.00	4.00
4.65	NO							
L0158148		0	0.12747E-03	663169.9	4271805.6	78.2	5.00	4.00
4.65	NO							
L0158149		0	0.12747E-03	663161.3	4271805.4	77.7	5.00	4.00
4.65	NO							
L0158150		0	0.12747E-03	663152.7	4271805.2	77.4	5.00	4.00
4.65	NO							
L0158151		0	0.12747E-03	663144.1	4271805.0	77.1	5.00	4.00
4.65	NO							
L0158152		0	0.12747E-03	663135.5	4271804.7	76.8	5.00	4.00
4.65	NO							
L0158153		0	0.12747E-03	663126.9	4271804.5	76.4	5.00	4.00
4.65	NO							
L0158154		0	0.12747E-03	663123.0	4271809.9	76.2	5.00	4.00

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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								(METERS)

L0158155		0	0.12747E-03	663121.6	4271818.4	75.9	5.00	4.00
4.65	NO							
L0158156		0	0.12747E-03	663120.3	4271826.9	75.4	5.00	4.00
4.65	NO							
L0158157		0	0.12747E-03	663118.9	4271835.4	74.8	5.00	4.00

4.65	NO							
L0158158		0	0.12747E-03	663117.5	4271843.9	74.3	5.00	4.00
4.65	NO							
L0158159		0	0.12747E-03	663116.2	4271852.4	73.8	5.00	4.00
4.65	NO							
L0158160		0	0.12747E-03	663114.8	4271860.9	73.3	5.00	4.00
4.65	NO							
L0158161		0	0.12747E-03	663113.4	4271869.4	72.8	5.00	4.00
4.65	NO							
L0158162		0	0.12747E-03	663112.1	4271877.9	72.4	5.00	4.00
4.65	NO							
L0158163		0	0.12747E-03	663110.7	4271886.3	71.9	5.00	4.00
4.65	NO							
L0158164		0	0.12747E-03	663109.3	4271894.8	71.5	5.00	4.00
4.65	NO							
L0158165		0	0.12747E-03	663108.0	4271903.3	71.1	5.00	4.00
4.65	NO							
L0158166		0	0.12747E-03	663106.6	4271911.8	70.7	5.00	4.00
4.65	NO							
L0158167		0	0.12747E-03	663105.2	4271920.3	70.3	5.00	4.00
4.65	NO							
L0158168		0	0.12747E-03	663103.9	4271928.8	70.0	5.00	4.00
4.65	NO							
L0158169		0	0.12747E-03	663102.5	4271937.3	69.6	5.00	4.00
4.65	NO							
L0158170		0	0.12747E-03	663101.2	4271945.8	69.3	5.00	4.00
4.65	NO							
L0158171		0	0.12747E-03	663099.8	4271954.3	69.1	5.00	4.00
4.65	NO							
L0158172		0	0.12747E-03	663098.4	4271962.8	68.8	5.00	4.00
4.65	NO							
L0158173		0	0.12747E-03	663097.1	4271971.3	68.4	5.00	4.00
4.65	NO							
L0158174		0	0.12747E-03	663095.7	4271979.8	68.0	5.00	4.00
4.65	NO							
L0158175		0	0.12747E-03	663094.3	4271988.2	67.5	5.00	4.00
4.65	NO							
L0158176		0	0.12747E-03	663093.0	4271996.7	67.0	5.00	4.00
4.65	NO							
L0158177		0	0.12747E-03	663091.6	4272005.2	66.6	5.00	4.00
4.65	NO							
L0158178		0	0.12747E-03	663090.2	4272013.7	66.1	5.00	4.00
4.65	NO							
L0158179		0	0.12747E-03	663088.9	4272022.2	65.7	5.00	4.00
4.65	NO							
L0158180		0	0.12747E-03	663087.5	4272030.7	65.3	5.00	4.00
4.65	NO							
L0158181		0	0.12747E-03	663086.1	4272039.2	64.9	5.00	4.00
4.65	NO							
L0158182		0	0.12747E-03	663084.8	4272047.7	64.5	5.00	4.00

4.65	NO							
L0158183		0	0.12747E-03	663083.4	4272056.2	64.2	5.00	4.00
4.65	NO							
L0158184		0	0.12747E-03	663082.0	4272064.7	63.8	5.00	4.00
4.65	NO							
L0158185		0	0.12747E-03	663080.7	4272073.2	63.5	5.00	4.00
4.65	NO							
L0158186		0	0.12747E-03	663079.3	4272081.6	63.2	5.00	4.00
4.65	NO							
L0158187		0	0.12747E-03	663078.0	4272090.1	62.8	5.00	4.00
4.65	NO							
L0158188		0	0.12747E-03	663076.6	4272098.6	62.6	5.00	4.00
4.65	NO							
L0158189		0	0.12747E-03	663075.2	4272107.1	62.5	5.00	4.00
4.65	NO							
L0158190		0	0.12747E-03	663073.9	4272115.6	62.3	5.00	4.00
4.65	NO							
L0158191		0	0.12747E-03	663072.5	4272124.1	62.2	5.00	4.00
4.65	NO							
L0158192		0	0.12747E-03	663071.1	4272132.6	62.7	5.00	4.00
4.65	NO							
L0158193		0	0.12747E-03	663069.8	4272141.1	63.2	5.00	4.00
4.65	NO							
L0158194		0	0.12747E-03	663068.4	4272149.6	63.8	5.00	4.00

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\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					

L0158195		0	0.12747E-03	663067.0	4272158.1	64.4	5.00	4.00
4.65	NO							
L0158196		0	0.12747E-03	663065.7	4272166.6	65.3	5.00	4.00
4.65	NO							
L0158197		0	0.12747E-03	663063.0	4272173.5	66.0	5.00	4.00

4.65	NO							
L0158198		0	0.12747E-03	663054.4	4272173.4	65.8	5.00	4.00
4.65	NO							
L0158199		0	0.12747E-03	663045.8	4272173.2	65.5	5.00	4.00
4.65	NO							
L0158200		0	0.12747E-03	663037.2	4272173.1	65.3	5.00	4.00
4.65	NO							
L0158201		0	0.12747E-03	663028.6	4272172.9	65.0	5.00	4.00
4.65	NO							
L0158202		0	0.12747E-03	663020.0	4272172.8	64.6	5.00	4.00
4.65	NO							
L0158203		0	0.12747E-03	663011.4	4272172.6	64.3	5.00	4.00
4.65	NO							
L0158204		0	0.12747E-03	663002.8	4272172.5	63.9	5.00	4.00
4.65	NO							
L0158205		0	0.12747E-03	662994.2	4272172.3	63.6	5.00	4.00
4.65	NO							
L0158206		0	0.12747E-03	662985.6	4272172.2	63.2	5.00	4.00
4.65	NO							
L0158207		0	0.12747E-03	662977.0	4272172.0	63.1	5.00	4.00
4.65	NO							
L0158208		0	0.12747E-03	662968.4	4272171.8	62.9	5.00	4.00
4.65	NO							
L0158209		0	0.12747E-03	662959.8	4272171.7	62.7	5.00	4.00
4.65	NO							
L0158210		0	0.12747E-03	662951.2	4272171.5	62.7	5.00	4.00
4.65	NO							
L0158211		0	0.12747E-03	662942.6	4272171.4	62.6	5.00	4.00
4.65	NO							
L0158212		0	0.12747E-03	662934.0	4272171.2	62.6	5.00	4.00
4.65	NO							
L0158213		0	0.12747E-03	662925.4	4272171.1	62.7	5.00	4.00
4.65	NO							
L0158214		0	0.12747E-03	662916.8	4272170.9	62.7	5.00	4.00
4.65	NO							
L0158215		0	0.12747E-03	662908.2	4272170.8	62.7	5.00	4.00
4.65	NO							
L0158216		0	0.12747E-03	662899.6	4272170.6	62.7	5.00	4.00
4.65	NO							
L0158217		0	0.12747E-03	662891.0	4272170.5	62.7	5.00	4.00
4.65	NO							
L0158218		0	0.12747E-03	662882.4	4272170.3	62.8	5.00	4.00
4.65	NO							
L0158219		0	0.12747E-03	662873.8	4272170.2	62.8	5.00	4.00
4.65	NO							
L0158220		0	0.12747E-03	662865.2	4272170.0	62.9	5.00	4.00
4.65	NO							
L0158221		0	0.12747E-03	662856.7	4272169.9	63.0	5.00	4.00
4.65	NO							
L0158222		0	0.12747E-03	662848.1	4272169.7	63.2	5.00	4.00

4.65	NO							
L0158223		0	0.12747E-03	662839.5	4272169.6	63.3	5.00	4.00
4.65	NO							
L0158224		0	0.12747E-03	662830.9	4272169.4	63.3	5.00	4.00
4.65	NO							
L0158225		0	0.12747E-03	662822.3	4272169.3	63.3	5.00	4.00
4.65	NO							
L0158226		0	0.12747E-03	662813.7	4272169.1	63.2	5.00	4.00
4.65	NO							
L0158227		0	0.12747E-03	662805.1	4272169.0	63.0	5.00	4.00
4.65	NO							
L0158228		0	0.12747E-03	662796.5	4272168.8	62.8	5.00	4.00
4.65	NO							
L0158229		0	0.12747E-03	662787.9	4272168.7	62.7	5.00	4.00
4.65	NO							
L0158230		0	0.12747E-03	662779.3	4272168.5	62.6	5.00	4.00
4.65	NO							
L0158231		0	0.12747E-03	662770.7	4272168.4	62.5	5.00	4.00
4.65	NO							
L0158232		0	0.12747E-03	662762.1	4272168.2	62.5	5.00	4.00
4.65	NO							
L0158233		0	0.12747E-03	662753.5	4272168.1	62.5	5.00	4.00
4.65	NO							
L0158234		0	0.12747E-03	662744.9	4272167.9	62.6	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0158235		0	0.12747E-03	662736.3	4272167.8	62.6	5.00	4.00
4.65	NO							
L0158236		0	0.12747E-03	662727.7	4272167.6	62.6	5.00	4.00
4.65	NO							
L0158237		0	0.12747E-03	662719.1	4272167.5	62.6	5.00	4.00



4.65	NO							
L0158238		0	0.12747E-03	662710.5	4272167.3	62.5	5.00	4.00
4.65	NO							
L0158239		0	0.12747E-03	662701.9	4272167.2	62.5	5.00	4.00
4.65	NO							
L0158240		0	0.12747E-03	662693.3	4272167.0	62.3	5.00	4.00
4.65	NO							
L0158241		0	0.12747E-03	662688.5	4272171.1	62.3	5.00	4.00
4.65	NO							
L0158242		0	0.12747E-03	662687.6	4272179.7	62.3	5.00	4.00
4.65	NO							
L0158243		0	0.12747E-03	662686.7	4272188.2	62.4	5.00	4.00
4.65	NO							
L0158244		0	0.12747E-03	662685.9	4272196.8	62.4	5.00	4.00
4.65	NO							
L0158245		0	0.12747E-03	662685.0	4272205.4	62.5	5.00	4.00
4.65	NO							
L0158246		0	0.12747E-03	662684.2	4272213.9	62.6	5.00	4.00
4.65	NO							
L0158247		0	0.12747E-03	662683.3	4272222.5	62.7	5.00	4.00
4.65	NO							
L0158248		0	0.12747E-03	662682.5	4272231.0	62.8	5.00	4.00
4.65	NO							
L0158249		0	0.12747E-03	662681.6	4272239.6	62.9	5.00	4.00
4.65	NO							
L0158250		0	0.12747E-03	662680.8	4272248.1	63.1	5.00	4.00
4.65	NO							
L0158251		0	0.12747E-03	662679.9	4272256.7	63.3	5.00	4.00
4.65	NO							
L0158252		0	0.12747E-03	662679.0	4272265.3	63.4	5.00	4.00
4.65	NO							
L0158253		0	0.12747E-03	662678.2	4272273.8	63.6	5.00	4.00
4.65	NO							
L0158254		0	0.12747E-03	662677.3	4272282.4	63.7	5.00	4.00
4.65	NO							
L0158255		0	0.12747E-03	662676.5	4272290.9	63.8	5.00	4.00
4.65	NO							
L0158256		0	0.12747E-03	662675.6	4272299.5	63.9	5.00	4.00
4.65	NO							
L0158257		0	0.12747E-03	662674.8	4272308.0	64.1	5.00	4.00
4.65	NO							
L0158258		0	0.12747E-03	662673.9	4272316.6	64.2	5.00	4.00
4.65	NO							
L0158259		0	0.12747E-03	662673.1	4272325.2	64.4	5.00	4.00
4.65	NO							
L0158260		0	0.12747E-03	662672.2	4272333.7	64.6	5.00	4.00
4.65	NO							
L0158261		0	0.12747E-03	662671.3	4272342.3	65.1	5.00	4.00
4.65	NO							
L0158262		0	0.12747E-03	662670.5	4272350.8	65.6	5.00	4.00

4.65	NO							
L0158263		0	0.12747E-03	662669.6	4272359.4	66.1	5.00	4.00
4.65	NO							
L0158264		0	0.12747E-03	662668.8	4272367.9	66.5	5.00	4.00
4.65	NO							
L0158265		0	0.12747E-03	662667.9	4272376.5	67.0	5.00	4.00
4.65	NO							
L0158266		0	0.12747E-03	662667.1	4272385.1	67.5	5.00	4.00
4.65	NO							
L0158267		0	0.12747E-03	662666.2	4272393.6	68.0	5.00	4.00
4.65	NO							
L0158268		0	0.12747E-03	662665.4	4272402.2	69.0	5.00	4.00
4.65	NO							
L0158269		0	0.12747E-03	662664.5	4272410.7	70.0	5.00	4.00
4.65	NO							
L0158270		0	0.12747E-03	662663.6	4272419.3	71.1	5.00	4.00
4.65	NO							
L0158271		0	0.12747E-03	662662.8	4272427.8	72.2	5.00	4.00
4.65	NO							
L0158272		0	0.12747E-03	662661.9	4272436.4	73.5	5.00	4.00
4.65	NO							
L0158273		0	0.12747E-03	662661.1	4272445.0	74.7	5.00	4.00
4.65	NO							
L0158274		0	0.12747E-03	662660.2	4272453.5	76.1	5.00	4.00

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 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0158275		0	0.12747E-03	662659.4	4272462.1	77.0	5.00	4.00
4.65	NO							
L0158276		0	0.12747E-03	662658.5	4272470.6	77.9	5.00	4.00
4.65	NO							
L0158277		0	0.12747E-03	662657.7	4272479.2	78.9	5.00	4.00

4.65	NO							
L0158278		0	0.12747E-03	662656.8	4272487.7	79.7	5.00	4.00
4.65	NO							
L0158279		0	0.12747E-03	662655.9	4272496.3	79.6	5.00	4.00
4.65	NO							
L0158280		0	0.12747E-03	662655.1	4272504.9	79.5	5.00	4.00
4.65	NO							
L0158281		0	0.12747E-03	662654.2	4272513.4	79.4	5.00	4.00
4.65	NO							
L0158282		0	0.12747E-03	662653.4	4272522.0	78.8	5.00	4.00
4.65	NO							
L0158283		0	0.12747E-03	662652.5	4272530.5	77.8	5.00	4.00
4.65	NO							
L0158284		0	0.12747E-03	662651.7	4272539.1	76.7	5.00	4.00
4.65	NO							
L0158285		0	0.12747E-03	662650.8	4272547.6	75.6	5.00	4.00
4.65	NO							
L0158286		0	0.12747E-03	662650.0	4272556.2	74.7	5.00	4.00
4.65	NO							
L0158287		0	0.12747E-03	662647.0	4272562.3	74.5	5.00	4.00
4.65	NO							
L0158288		0	0.12747E-03	662638.4	4272561.9	76.1	5.00	4.00
4.65	NO							
L0158289		0	0.12747E-03	662629.8	4272561.6	77.6	5.00	4.00
4.65	NO							
L0158290		0	0.12747E-03	662621.2	4272561.2	79.2	5.00	4.00
4.65	NO							
L0158291		0	0.12747E-03	662612.6	4272560.8	79.8	5.00	4.00
4.65	NO							
L0158292		0	0.12747E-03	662604.0	4272560.5	79.7	5.00	4.00
4.65	NO							
L0158293		0	0.12747E-03	662595.4	4272560.1	79.5	5.00	4.00
4.65	NO							
L0158294		0	0.12747E-03	662586.8	4272559.8	78.8	5.00	4.00
4.65	NO							
L0158295		0	0.12747E-03	662578.2	4272559.4	77.9	5.00	4.00
4.65	NO							
L0158296		0	0.12747E-03	662569.6	4272559.0	76.9	5.00	4.00
4.65	NO							
L0158297		0	0.12747E-03	662561.0	4272558.7	76.0	5.00	4.00
4.65	NO							
L0158298		0	0.12747E-03	662552.4	4272558.3	75.1	5.00	4.00
4.65	NO							
L0158299		0	0.12747E-03	662543.8	4272557.9	74.1	5.00	4.00
4.65	NO							
L0158300		0	0.12747E-03	662535.2	4272557.6	72.1	5.00	4.00
4.65	NO							
L0158301		0	0.12747E-03	662526.7	4272557.2	70.0	5.00	4.00
4.65	NO							
L0158302		0	0.12747E-03	662518.1	4272556.9	68.0	5.00	4.00

4.65	NO							
L0158303		0	0.12747E-03	662509.5	4272556.5	66.4	5.00	4.00
4.65	NO							
L0158304		0	0.12747E-03	662500.9	4272556.1	64.8	5.00	4.00
4.65	NO							
L0158305		0	0.12747E-03	662492.3	4272555.8	63.8	5.00	4.00
4.65	NO							
L0158306		0	0.12747E-03	662483.7	4272555.4	63.4	5.00	4.00
4.65	NO							
L0158307		0	0.12747E-03	662475.1	4272555.1	63.1	5.00	4.00
4.65	NO							
L0158308		0	0.12747E-03	662466.5	4272554.7	63.0	5.00	4.00
4.65	NO							
L0158309		0	0.12747E-03	662457.9	4272554.3	63.1	5.00	4.00
4.65	NO							
L0158310		0	0.12747E-03	662449.3	4272554.0	63.1	5.00	4.00
4.65	NO							
L0158311		0	0.12747E-03	662440.7	4272553.6	63.1	5.00	4.00
4.65	NO							
L0158312		0	0.12747E-03	662432.1	4272553.2	63.1	5.00	4.00
4.65	NO							
L0158313		0	0.12747E-03	662423.5	4272552.9	63.0	5.00	4.00
4.65	NO							
L0158314		0	0.12747E-03	662415.0	4272552.5	62.8	5.00	4.00

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 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0158315		0	0.12747E-03	662406.4	4272552.2	62.6	5.00	4.00
4.65	NO							
L0158316		0	0.12747E-03	662397.8	4272551.8	62.4	5.00	4.00
4.65	NO							
L0158317		0	0.12747E-03	662389.2	4272551.4	62.6	5.00	4.00

4.65	NO							
L0158318		0	0.12747E-03	662380.6	4272551.1	62.8	5.00	4.00
4.65	NO							
L0158319		0	0.12747E-03	662372.0	4272550.7	62.9	5.00	4.00
4.65	NO							
L0158320		0	0.12747E-03	662363.4	4272550.3	63.0	5.00	4.00
4.65	NO							
L0158321		0	0.12747E-03	662354.8	4272550.0	63.1	5.00	4.00
4.65	NO							
L0158322		0	0.12747E-03	662346.2	4272549.6	63.2	5.00	4.00
4.65	NO							
L0158323		0	0.12747E-03	662337.6	4272549.3	63.4	5.00	4.00
4.65	NO							
L0158324		0	0.12747E-03	662329.0	4272548.9	63.5	5.00	4.00
4.65	NO							
L0158325		0	0.12747E-03	662320.4	4272548.5	63.6	5.00	4.00
4.65	NO							
L0158326		0	0.12747E-03	662311.8	4272548.2	63.7	5.00	4.00
4.65	NO							
L0158327		0	0.12747E-03	662303.3	4272547.8	63.8	5.00	4.00
4.65	NO							
L0158328		0	0.12747E-03	662294.7	4272547.5	63.8	5.00	4.00
4.65	NO							
L0158329		0	0.12747E-03	662286.1	4272547.1	63.9	5.00	4.00
4.65	NO							
L0158330		0	0.12747E-03	662277.5	4272546.7	63.9	5.00	4.00
4.65	NO							
L0158331		0	0.12747E-03	662268.9	4272546.4	64.0	5.00	4.00
4.65	NO							
L0158332		0	0.12747E-03	662260.3	4272546.0	64.0	5.00	4.00
4.65	NO							
L0158333		0	0.12747E-03	662251.7	4272545.6	64.1	5.00	4.00
4.65	NO							
L0158334		0	0.12747E-03	662243.1	4272545.3	64.1	5.00	4.00
4.65	NO							
L0158335		0	0.12747E-03	662234.5	4272544.9	64.2	5.00	4.00
4.65	NO							
L0158336		0	0.12747E-03	662225.9	4272544.6	64.2	5.00	4.00
4.65	NO							
L0158337		0	0.12747E-03	662217.3	4272544.2	64.2	5.00	4.00
4.65	NO							
L0158338		0	0.12747E-03	662208.7	4272543.8	64.3	5.00	4.00
4.65	NO							
L0158339		0	0.12747E-03	662200.1	4272543.5	64.3	5.00	4.00
4.65	NO							
L0158340		0	0.12747E-03	662191.6	4272543.1	64.3	5.00	4.00
4.65	NO							
L0158341		0	0.12747E-03	662183.0	4272542.8	64.3	5.00	4.00
4.65	NO							
L0158342		0	0.12747E-03	662174.4	4272542.4	64.4	5.00	4.00

4.65	NO							
L0158343		0	0.12747E-03	662165.8	4272542.0	64.4	5.00	4.00
4.65	NO							
L0158344		0	0.12747E-03	662157.2	4272541.7	64.5	5.00	4.00
4.65	NO							
L0158345		0	0.12747E-03	662148.6	4272541.3	64.6	5.00	4.00
4.65	NO							
L0158346		0	0.12747E-03	662140.0	4272540.9	64.8	5.00	4.00
4.65	NO							
L0158347		0	0.12747E-03	662131.4	4272540.6	64.9	5.00	4.00
4.65	NO							
L0158348		0	0.12747E-03	662122.8	4272540.2	65.0	5.00	4.00
4.65	NO							
L0158349		0	0.12747E-03	662114.2	4272539.9	65.1	5.00	4.00
4.65	NO							
L0158350		0	0.12747E-03	662105.6	4272539.5	65.1	5.00	4.00
4.65	NO							
L0158351		0	0.12747E-03	662097.0	4272539.1	65.2	5.00	4.00
4.65	NO							
L0158352		0	0.12747E-03	662088.4	4272538.8	65.2	5.00	4.00
4.65	NO							
L0158353		0	0.12747E-03	662079.9	4272538.4	65.3	5.00	4.00
4.65	NO							
L0158354		0	0.12747E-03	662071.3	4272538.0	65.4	5.00	4.00

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 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0158355		0	0.12747E-03	662062.7	4272537.7	65.4	5.00	4.00
4.65	NO							
L0158356		0	0.12747E-03	662054.1	4272537.3	65.4	5.00	4.00
4.65	NO							
L0158357		0	0.12747E-03	662045.5	4272537.0	65.4	5.00	4.00

4.65	NO							
L0158358		0	0.12747E-03	662036.9	4272536.6	65.3	5.00	4.00
4.65	NO							
L0158359		0	0.12747E-03	662028.3	4272536.2	65.4	5.00	4.00
4.65	NO							
L0158360		0	0.12747E-03	662023.5	4272532.5	65.4	5.00	4.00
4.65	NO							
L0158361		0	0.12747E-03	662024.3	4272524.0	65.4	5.00	4.00
4.65	NO							
L0158362		0	0.12747E-03	662025.0	4272515.4	65.4	5.00	4.00
4.65	NO							
L0158363		0	0.12747E-03	662025.7	4272506.8	65.4	5.00	4.00
4.65	NO							
L0158364		0	0.12747E-03	662026.5	4272498.3	65.5	5.00	4.00
4.65	NO							
L0158365		0	0.12747E-03	662027.2	4272489.7	65.6	5.00	4.00
4.65	NO							
L0158366		0	0.12747E-03	662028.0	4272481.1	65.7	5.00	4.00
4.65	NO							
L0158367		0	0.12747E-03	662028.7	4272472.6	65.8	5.00	4.00
4.65	NO							
L0158368		0	0.12747E-03	662029.4	4272464.0	66.0	5.00	4.00
4.65	NO							
L0158369		0	0.12747E-03	662030.2	4272455.4	66.1	5.00	4.00
4.65	NO							
L0158370		0	0.12747E-03	662030.9	4272446.8	66.2	5.00	4.00
4.65	NO							
L0158371		0	0.12747E-03	662031.7	4272438.3	66.2	5.00	4.00
4.65	NO							
L0158372		0	0.12747E-03	662032.4	4272429.7	66.1	5.00	4.00
4.65	NO							
L0158373		0	0.12747E-03	662033.2	4272421.1	66.0	5.00	4.00
4.65	NO							
L0158374		0	0.12747E-03	662033.9	4272412.6	65.9	5.00	4.00
4.65	NO							
L0158375		0	0.12747E-03	662034.6	4272404.0	65.9	5.00	4.00
4.65	NO							
L0158376		0	0.12747E-03	662035.4	4272395.4	65.8	5.00	4.00
4.65	NO							
L0158377		0	0.12747E-03	662036.1	4272386.9	65.7	5.00	4.00
4.65	NO							
L0158378		0	0.12747E-03	662036.9	4272378.3	65.8	5.00	4.00
4.65	NO							
L0158379		0	0.12747E-03	662037.6	4272369.7	66.0	5.00	4.00
4.65	NO							
L0158380		0	0.12747E-03	662038.3	4272361.2	66.3	5.00	4.00
4.65	NO							
L0158381		0	0.12747E-03	662039.1	4272352.6	66.5	5.00	4.00
4.65	NO							
L0158382		0	0.12747E-03	662039.8	4272344.0	66.9	5.00	4.00

4.65	NO							
L0158383		0	0.12747E-03	662040.6	4272335.5	67.3	5.00	4.00
4.65	NO							
L0158384		0	0.12747E-03	662041.3	4272326.9	67.7	5.00	4.00
4.65	NO							
L0158385		0	0.12747E-03	662042.1	4272318.3	68.1	5.00	4.00
4.65	NO							
L0158386		0	0.12747E-03	662042.8	4272309.8	68.7	5.00	4.00
4.65	NO							
L0158387		0	0.12747E-03	662043.5	4272301.2	69.3	5.00	4.00
4.65	NO							
L0158388		0	0.12747E-03	662044.3	4272292.6	69.8	5.00	4.00
4.65	NO							
L0158389		0	0.12747E-03	662045.0	4272284.1	70.5	5.00	4.00
4.65	NO							
L0158390		0	0.12747E-03	662045.8	4272275.5	71.3	5.00	4.00
4.65	NO							
L0158391		0	0.12747E-03	662046.5	4272266.9	72.0	5.00	4.00
4.65	NO							
L0158392		0	0.12747E-03	662047.2	4272258.4	72.8	5.00	4.00
4.65	NO							
L0158393		0	0.12747E-03	662048.0	4272249.8	73.7	5.00	4.00
4.65	NO							
L0158394		0	0.12747E-03	662048.7	4272241.2	74.6	5.00	4.00

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 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0158395		0	0.12747E-03	662049.5	4272232.6	75.5	5.00	4.00
4.65	NO							
L0158396		0	0.12747E-03	662050.2	4272224.1	76.5	5.00	4.00
4.65	NO							
L0158397		0	0.12747E-03	662050.9	4272215.5	77.4	5.00	4.00



4.65	NO							
L0158398		0	0.12747E-03	662051.7	4272206.9	78.3	5.00	4.00
4.65	NO							
L0158399		0	0.12747E-03	662052.4	4272198.4	79.3	5.00	4.00
4.65	NO							
L0158400		0	0.12747E-03	662053.2	4272189.8	80.2	5.00	4.00
4.65	NO							
L0158401		0	0.12747E-03	662053.9	4272181.2	81.2	5.00	4.00
4.65	NO							
L0158402		0	0.12747E-03	662054.7	4272172.7	82.2	5.00	4.00
4.65	NO							
L0158403		0	0.12747E-03	662055.4	4272164.1	83.1	5.00	4.00
4.65	NO							
L0158404		0	0.12747E-03	662056.1	4272155.5	83.9	5.00	4.00
4.65	NO							
L0158405		0	0.12747E-03	662056.9	4272147.0	84.8	5.00	4.00
4.65	NO							
L0158406		0	0.12747E-03	662057.6	4272138.4	85.6	5.00	4.00
4.65	NO							
L0158407		0	0.12747E-03	662058.4	4272129.8	85.8	5.00	4.00
4.65	NO							
L0158408		0	0.12747E-03	662059.1	4272121.3	85.8	5.00	4.00
4.65	NO							
L0158409		0	0.12747E-03	662059.8	4272112.7	85.7	5.00	4.00
4.65	NO							
L0158410		0	0.12747E-03	662060.6	4272104.1	85.6	5.00	4.00
4.65	NO							
L0158411		0	0.12747E-03	662061.3	4272095.6	85.0	5.00	4.00
4.65	NO							
L0158412		0	0.12747E-03	662062.1	4272087.0	84.5	5.00	4.00
4.65	NO							
L0158413		0	0.12747E-03	662062.8	4272078.4	83.8	5.00	4.00
4.65	NO							
L0158414		0	0.12747E-03	662063.6	4272069.9	83.1	5.00	4.00
4.65	NO							
L0158415		0	0.12747E-03	662064.3	4272061.3	82.3	5.00	4.00
4.65	NO							
L0158416		0	0.12747E-03	662065.0	4272052.7	81.5	5.00	4.00
4.65	NO							
L0158417		0	0.12747E-03	662065.8	4272044.2	80.6	5.00	4.00
4.65	NO							
L0158418		0	0.12747E-03	662066.5	4272035.6	79.6	5.00	4.00
4.65	NO							
L0158419		0	0.12747E-03	662067.3	4272027.0	78.6	5.00	4.00
4.65	NO							
L0158420		0	0.12747E-03	662068.0	4272018.5	77.7	5.00	4.00
4.65	NO							
L0158421		0	0.12747E-03	662068.7	4272009.9	76.7	5.00	4.00
4.65	NO							
L0158422		0	0.12747E-03	662069.5	4272001.3	75.8	5.00	4.00

4.65	NO							
L0158423		0	0.12747E-03	662070.2	4271992.7	74.8	5.00	4.00
4.65	NO							
L0158424		0	0.12747E-03	662071.0	4271984.2	73.9	5.00	4.00
4.65	NO							
L0158425		0	0.12747E-03	662071.7	4271975.6	73.4	5.00	4.00
4.65	NO							
L0158426		0	0.12747E-03	662072.5	4271967.0	73.0	5.00	4.00
4.65	NO							
L0158427		0	0.12747E-03	662073.2	4271958.5	72.7	5.00	4.00
4.65	NO							
L0158428		0	0.12747E-03	662073.9	4271949.9	72.4	5.00	4.00
4.65	NO							
L0158429		0	0.12747E-03	662074.7	4271941.3	72.6	5.00	4.00
4.65	NO							
L0158430		0	0.12747E-03	662075.4	4271932.8	72.8	5.00	4.00
4.65	NO							
L0158431		0	0.12747E-03	662076.2	4271924.2	72.9	5.00	4.00
4.65	NO							
L0158432		0	0.12747E-03	662076.9	4271915.6	73.0	5.00	4.00
4.65	NO							
L0158433		0	0.12747E-03	662077.6	4271907.1	73.2	5.00	4.00
4.65	NO							
L0158434		0	0.12747E-03	662078.4	4271898.5	73.3	5.00	4.00

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\*\*\* MODELOPTs:    RegDFault    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0158435		0	0.12747E-03	662079.1	4271889.9	73.3	5.00	4.00
4.65	NO							
L0158436		0	0.12747E-03	662079.9	4271881.4	73.2	5.00	4.00
4.65	NO							
L0158437		0	0.12747E-03	662080.6	4271872.8	73.1	5.00	4.00

4.65	NO							
L0158438		0	0.12747E-03	662081.3	4271864.2	72.9	5.00	4.00
4.65	NO							
L0158439		0	0.12747E-03	662082.1	4271855.7	72.7	5.00	4.00
4.65	NO							
L0158440		0	0.12747E-03	662086.0	4271850.6	72.1	5.00	4.00
4.65	NO							
L0158441		0	0.12747E-03	662094.6	4271850.6	71.1	5.00	4.00
4.65	NO							
L0158442		0	0.12747E-03	662103.2	4271850.6	70.3	5.00	4.00
4.65	NO							
L0158443		0	0.12747E-03	662111.8	4271850.6	69.6	5.00	4.00
4.65	NO							
L0158444		0	0.12747E-03	662120.4	4271850.6	68.8	5.00	4.00
4.65	NO							
L0158445		0	0.12747E-03	662129.0	4271850.6	68.4	5.00	4.00
4.65	NO							
L0158446		0	0.12747E-03	662137.6	4271850.6	68.0	5.00	4.00
4.65	NO							
L0158447		0	0.12747E-03	662146.2	4271850.6	67.6	5.00	4.00
4.65	NO							
L0158448		0	0.12747E-03	662154.8	4271850.6	67.6	5.00	4.00
4.65	NO							
L0158449		0	0.12747E-03	662163.4	4271850.6	67.6	5.00	4.00
4.65	NO							
L0158450		0	0.12747E-03	662172.0	4271850.6	67.6	5.00	4.00
4.65	NO							
L0158451		0	0.12747E-03	662180.6	4271850.6	67.7	5.00	4.00
4.65	NO							
L0158452		0	0.12747E-03	662189.2	4271850.6	67.8	5.00	4.00
4.65	NO							
L0158453		0	0.12747E-03	662197.8	4271850.6	67.9	5.00	4.00
4.65	NO							
L0158454		0	0.12747E-03	662206.4	4271850.6	68.0	5.00	4.00
4.65	NO							
L0158455		0	0.12747E-03	662215.0	4271850.6	68.0	5.00	4.00
4.65	NO							
L0158456		0	0.12747E-03	662223.6	4271850.6	68.0	5.00	4.00
4.65	NO							
L0158457		0	0.12747E-03	662232.2	4271850.6	68.1	5.00	4.00
4.65	NO							
L0158458		0	0.12747E-03	662240.8	4271850.6	68.1	5.00	4.00
4.65	NO							
L0158459		0	0.12747E-03	662249.4	4271850.6	68.0	5.00	4.00
4.65	NO							
L0158460		0	0.12747E-03	662258.0	4271850.6	68.0	5.00	4.00
4.65	NO							
L0158461		0	0.12747E-03	662266.6	4271850.6	67.9	5.00	4.00
4.65	NO							
L0158462		0	0.12747E-03	662275.2	4271850.6	67.6	5.00	4.00

4.65	NO							
L0158463		0	0.12747E-03	662283.8	4271850.6	67.3	5.00	4.00
4.65	NO							
L0158464		0	0.12747E-03	662292.4	4271850.6	67.0	5.00	4.00
4.65	NO							
L0158465		0	0.12747E-03	662301.0	4271850.6	66.7	5.00	4.00
4.65	NO							
L0158466		0	0.12747E-03	662309.6	4271850.6	66.4	5.00	4.00
4.65	NO							
L0158467		0	0.12747E-03	662318.2	4271850.6	66.0	5.00	4.00
4.65	NO							
L0158468		0	0.12747E-03	662326.8	4271850.6	65.7	5.00	4.00
4.65	NO							
L0158469		0	0.12747E-03	662335.4	4271850.6	65.3	5.00	4.00
4.65	NO							
L0158470		0	0.12747E-03	662344.0	4271850.6	65.0	5.00	4.00
4.65	NO							
L0158471		0	0.12747E-03	662352.6	4271850.6	64.7	5.00	4.00
4.65	NO							
L0158472		0	0.12747E-03	662361.2	4271850.6	64.4	5.00	4.00
4.65	NO							
L0158473		0	0.12747E-03	662369.8	4271850.6	64.2	5.00	4.00
4.65	NO							
L0158474		0	0.12747E-03	662378.4	4271850.6	64.0	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0158475		0	0.12747E-03	662387.0	4271850.6	63.8	5.00	4.00
4.65	NO							
L0158476		0	0.12747E-03	662395.6	4271850.6	63.7	5.00	4.00
4.65	NO							
L0158477		0	0.12747E-03	662404.2	4271850.6	63.5	5.00	4.00

4.65	NO							
L0158478		0	0.12747E-03	662412.8	4271850.6	63.4	5.00	4.00
4.65	NO							
L0158479		0	0.12747E-03	662421.4	4271850.6	63.3	5.00	4.00
4.65	NO							
L0158480		0	0.12747E-03	662430.0	4271850.6	63.1	5.00	4.00
4.65	NO							
L0158481		0	0.12747E-03	662438.6	4271850.6	62.9	5.00	4.00
4.65	NO							
L0158482		0	0.12747E-03	662447.2	4271850.6	62.6	5.00	4.00
4.65	NO							
L0158483		0	0.12747E-03	662455.8	4271850.6	62.3	5.00	4.00
4.65	NO							
L0158484		0	0.12747E-03	662464.4	4271850.6	62.0	5.00	4.00
4.65	NO							
L0158485		0	0.12747E-03	662473.0	4271850.6	61.9	5.00	4.00
4.65	NO							
L0158486		0	0.12747E-03	662481.6	4271850.6	61.8	5.00	4.00
4.65	NO							
L0158487		0	0.12747E-03	662490.2	4271850.6	61.8	5.00	4.00
4.65	NO							
L0158488		0	0.12747E-03	662498.8	4271850.6	62.1	5.00	4.00
4.65	NO							
L0158489		0	0.12747E-03	662507.4	4271850.6	62.4	5.00	4.00
4.65	NO							
L0158490		0	0.12747E-03	662516.0	4271850.6	62.7	5.00	4.00
4.65	NO							
L0158491		0	0.12747E-03	662517.5	4271843.5	62.6	5.00	4.00
4.65	NO							
L0158492		0	0.12747E-03	662517.5	4271834.9	62.4	5.00	4.00
4.65	NO							
L0158493		0	0.12747E-03	662517.4	4271826.3	62.2	5.00	4.00
4.65	NO							
L0158494		0	0.12747E-03	662517.4	4271817.7	62.0	5.00	4.00
4.65	NO							
L0158495		0	0.12747E-03	662517.3	4271809.1	61.8	5.00	4.00
4.65	NO							
L0158496		0	0.12747E-03	662517.3	4271800.5	61.7	5.00	4.00
4.65	NO							
L0158497		0	0.12747E-03	662517.3	4271791.9	61.7	5.00	4.00
4.65	NO							
L0158498		0	0.12747E-03	662517.2	4271783.3	61.6	5.00	4.00
4.65	NO							
L0158499		0	0.12747E-03	662517.2	4271774.7	61.6	5.00	4.00
4.65	NO							
L0158500		0	0.12747E-03	662517.2	4271766.1	61.4	5.00	4.00
4.65	NO							
L0158501		0	0.12747E-03	662517.1	4271757.5	61.1	5.00	4.00
4.65	NO							
L0158502		0	0.12747E-03	662517.1	4271748.9	60.9	5.00	4.00

4.65	NO							
L0158503		0	0.12747E-03	662517.1	4271740.3	60.6	5.00	4.00
4.65	NO							
L0158504		0	0.12747E-03	662517.0	4271731.7	60.4	5.00	4.00
4.65	NO							
L0158505		0	0.12747E-03	662517.0	4271723.1	60.1	5.00	4.00
4.65	NO							
L0158506		0	0.12747E-03	662516.9	4271714.5	59.9	5.00	4.00
4.65	NO							
L0158507		0	0.12747E-03	662516.9	4271705.9	59.8	5.00	4.00
4.65	NO							
L0158508		0	0.12747E-03	662516.9	4271697.3	59.8	5.00	4.00
4.65	NO							
L0158509		0	0.12747E-03	662516.8	4271688.7	59.8	5.00	4.00
4.65	NO							
L0158510		0	0.12747E-03	662516.8	4271680.1	59.8	5.00	4.00
4.65	NO							
L0158511		0	0.12747E-03	662516.8	4271671.5	59.8	5.00	4.00
4.65	NO							
L0158512		0	0.12747E-03	662516.7	4271662.9	59.8	5.00	4.00
4.65	NO							
L0158513		0	0.12747E-03	662516.7	4271654.3	59.8	5.00	4.00
4.65	NO							
L0158514		0	0.12747E-03	662516.7	4271645.7	59.8	5.00	4.00

\*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								
L0158515		0	0.12747E-03	662516.6	4271637.1	59.8	5.00	4.00
4.65	NO							
L0158516		0	0.12747E-03	662516.6	4271628.5	59.7	5.00	4.00
4.65	NO							
L0158517		0	0.12747E-03	662516.5	4271619.9	59.7	5.00	4.00

4.65	NO							
L0158518		0	0.12747E-03	662516.5	4271611.3	59.7	5.00	4.00
4.65	NO							
L0158519		0	0.12747E-03	662516.5	4271602.7	59.7	5.00	4.00
4.65	NO							
L0158520		0	0.12747E-03	662516.4	4271594.1	59.7	5.00	4.00
4.65	NO							
L0158521		0	0.12747E-03	662516.4	4271585.5	59.6	5.00	4.00
4.65	NO							
L0158522		0	0.12747E-03	662516.4	4271576.9	59.6	5.00	4.00
4.65	NO							
L0158523		0	0.12747E-03	662516.3	4271568.3	59.6	5.00	4.00
4.65	NO							
L0158524		0	0.12747E-03	662516.3	4271559.7	59.5	5.00	4.00
4.65	NO							
L0158525		0	0.12747E-03	662516.3	4271551.1	59.3	5.00	4.00
4.65	NO							
L0158526		0	0.12747E-03	662516.2	4271542.5	59.1	5.00	4.00
4.65	NO							
L0158527		0	0.12747E-03	662516.2	4271533.9	58.8	5.00	4.00
4.65	NO							
L0158528		0	0.12747E-03	662516.1	4271525.3	58.6	5.00	4.00
4.65	NO							
L0158529		0	0.12747E-03	662516.1	4271516.7	58.6	5.00	4.00
4.65	NO							
L0158530		0	0.12747E-03	662516.1	4271508.1	58.7	5.00	4.00
4.65	NO							
L0158531		0	0.12747E-03	662516.0	4271499.5	58.7	5.00	4.00
4.65	NO							
L0158532		0	0.12747E-03	662516.0	4271490.9	58.8	5.00	4.00
4.65	NO							
L0158533		0	0.12747E-03	662516.0	4271482.3	59.0	5.00	4.00
4.65	NO							
L0158534		0	0.12747E-03	662515.9	4271473.7	59.1	5.00	4.00
4.65	NO							
L0158535		0	0.12747E-03	662515.9	4271465.1	59.3	5.00	4.00
4.65	NO							
L0158536		0	0.12747E-03	662515.9	4271456.5	59.2	5.00	4.00
4.65	NO							
L0158537		0	0.12747E-03	662515.8	4271447.9	59.2	5.00	4.00
4.65	NO							
L0158538		0	0.12747E-03	662515.8	4271439.3	59.1	5.00	4.00
4.65	NO							
L0158539		0	0.12747E-03	662515.7	4271430.7	59.1	5.00	4.00
4.65	NO							
L0158540		0	0.12747E-03	662515.7	4271422.1	59.0	5.00	4.00
4.65	NO							
L0158541		0	0.12747E-03	662515.7	4271413.5	58.9	5.00	4.00
4.65	NO							
L0158542		0	0.12747E-03	662515.6	4271404.9	58.8	5.00	4.00

4.65	NO							
L0158543		0	0.12747E-03	662515.6	4271396.3	58.8	5.00	4.00
4.65	NO							
L0158544		0	0.12747E-03	662515.6	4271387.7	58.8	5.00	4.00
4.65	NO							
L0158545		0	0.12747E-03	662515.5	4271379.1	58.8	5.00	4.00
4.65	NO							
L0158546		0	0.12747E-03	662515.5	4271370.5	58.8	5.00	4.00
4.65	NO							
L0158547		0	0.12747E-03	662515.5	4271361.9	58.7	5.00	4.00
4.65	NO							
L0158548		0	0.12747E-03	662515.4	4271353.3	58.7	5.00	4.00
4.65	NO							
L0158549		0	0.12747E-03	662515.4	4271344.7	58.6	5.00	4.00
4.65	NO							
L0158550		0	0.12747E-03	662515.3	4271336.1	58.6	5.00	4.00
4.65	NO							
L0158551		0	0.12747E-03	662515.3	4271327.5	58.5	5.00	4.00
4.65	NO							
L0158552		0	0.12747E-03	662515.3	4271318.9	58.5	5.00	4.00
4.65	NO							
L0158553		0	0.12747E-03	662515.2	4271310.3	58.5	5.00	4.00
4.65	NO							
L0158554		0	0.12747E-03	662515.2	4271301.7	58.4	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0158555		0	0.12747E-03	662515.2	4271293.1	58.4	5.00	4.00
4.65	NO							
L0158556		0	0.12747E-03	662515.1	4271284.5	58.3	5.00	4.00
4.65	NO							
L0158557		0	0.12747E-03	662515.1	4271275.9	58.3	5.00	4.00



4.65	NO							
L0158558		0	0.12747E-03	662515.1	4271267.3	58.3	5.00	4.00
4.65	NO							
L0158559		0	0.12747E-03	662515.0	4271258.7	58.3	5.00	4.00
4.65	NO							
L0158560		0	0.12747E-03	662515.0	4271250.1	58.3	5.00	4.00
4.65	NO							
L0158561		0	0.12747E-03	662514.9	4271241.5	58.4	5.00	4.00
4.65	NO							
L0158562		0	0.12747E-03	662514.9	4271232.9	58.5	5.00	4.00
4.65	NO							
L0158563		0	0.12747E-03	662514.9	4271224.3	58.6	5.00	4.00
4.65	NO							
L0158564		0	0.12747E-03	662514.8	4271215.7	58.6	5.00	4.00
4.65	NO							
L0158565		0	0.12747E-03	662514.8	4271207.1	58.5	5.00	4.00
4.65	NO							
L0158566		0	0.12747E-03	662514.8	4271198.5	58.4	5.00	4.00
4.65	NO							
L0158567		0	0.12747E-03	662514.7	4271189.9	58.4	5.00	4.00
4.65	NO							
L0158568		0	0.12747E-03	662514.7	4271181.3	58.3	5.00	4.00
4.65	NO							
L0158569		0	0.12747E-03	662514.7	4271172.7	58.3	5.00	4.00
4.65	NO							
L0158570		0	0.12747E-03	662514.6	4271164.1	58.3	5.00	4.00
4.65	NO							
L0158571		0	0.12747E-03	662514.6	4271155.5	58.3	5.00	4.00
4.65	NO							
L0158572		0	0.12747E-03	662514.5	4271146.9	58.2	5.00	4.00
4.65	NO							
L0158573		0	0.12747E-03	662514.5	4271138.3	58.1	5.00	4.00
4.65	NO							
L0158574		0	0.12747E-03	662514.5	4271129.7	58.1	5.00	4.00
4.65	NO							
L0158575		0	0.12747E-03	662514.4	4271121.1	58.0	5.00	4.00
4.65	NO							
L0158576		0	0.12747E-03	662514.4	4271112.5	58.0	5.00	4.00
4.65	NO							
L0158577		0	0.12747E-03	662514.4	4271103.9	58.0	5.00	4.00
4.65	NO							
L0158578		0	0.12747E-03	662514.3	4271095.3	58.0	5.00	4.00
4.65	NO							
L0158579		0	0.12747E-03	662514.3	4271086.7	58.0	5.00	4.00
4.65	NO							
L0158580		0	0.12747E-03	662514.3	4271078.1	58.0	5.00	4.00
4.65	NO							
L0158581		0	0.12747E-03	662514.2	4271069.5	58.0	5.00	4.00
4.65	NO							
L0158582		0	0.12747E-03	662514.2	4271060.9	58.1	5.00	4.00

4.65	NO							
L0158583		0	0.12747E-03	662514.1	4271052.3	58.3	5.00	4.00
4.65	NO							
L0158584		0	0.12747E-03	662514.1	4271043.7	58.5	5.00	4.00
4.65	NO							
L0158585		0	0.12747E-03	662514.1	4271035.1	58.7	5.00	4.00
4.65	NO							
L0158586		0	0.12747E-03	662514.0	4271026.5	59.0	5.00	4.00
4.65	NO							
L0158587		0	0.12747E-03	662514.0	4271017.9	59.3	5.00	4.00
4.65	NO							
L0158588		0	0.12747E-03	662514.0	4271009.3	59.6	5.00	4.00
4.65	NO							
L0158589		0	0.12747E-03	662513.9	4271000.7	59.8	5.00	4.00
4.65	NO							
L0158590		0	0.12747E-03	662513.9	4270992.1	59.8	5.00	4.00
4.65	NO							
L0158591		0	0.12747E-03	662513.9	4270983.5	59.9	5.00	4.00
4.65	NO							
L0158592		0	0.12747E-03	662513.8	4270974.9	59.9	5.00	4.00
4.65	NO							
L0158593		0	0.12747E-03	662513.8	4270966.3	60.0	5.00	4.00
4.65	NO							
L0158594		0	0.12747E-03	662513.7	4270957.7	60.2	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0158595		0	0.12747E-03	662513.7	4270949.1	60.3	5.00	4.00
4.65	NO							
L0158596		0	0.12747E-03	662513.7	4270940.5	60.5	5.00	4.00
4.65	NO							
L0158597		0	0.12747E-03	662513.6	4270931.9	60.8	5.00	4.00

4.65	NO							
L0158598		0	0.12747E-03	662513.6	4270923.3	61.0	5.00	4.00
4.65	NO							
L0158599		0	0.12747E-03	662513.6	4270914.7	61.2	5.00	4.00
4.65	NO							
L0158600		0	0.12747E-03	662513.5	4270906.1	61.3	5.00	4.00
4.65	NO							
L0158601		0	0.12747E-03	662513.5	4270897.5	61.4	5.00	4.00
4.65	NO							
L0158602		0	0.12747E-03	662513.5	4270888.9	61.5	5.00	4.00
4.65	NO							
L0158603		0	0.12747E-03	662513.4	4270880.3	61.5	5.00	4.00
4.65	NO							
L0158604		0	0.12747E-03	662513.4	4270871.7	61.4	5.00	4.00
4.65	NO							
L0158605		0	0.12747E-03	662513.4	4270863.1	61.4	5.00	4.00
4.65	NO							
L0158606		0	0.12747E-03	662513.3	4270854.5	61.3	5.00	4.00
4.65	NO							
L0158607		0	0.12747E-03	662513.3	4270845.9	61.2	5.00	4.00
4.65	NO							
L0158608		0	0.12747E-03	662513.2	4270837.3	61.1	5.00	4.00
4.65	NO							
L0158609		0	0.12747E-03	662513.2	4270828.7	61.0	5.00	4.00
4.65	NO							
L0158610		0	0.12747E-03	662513.2	4270820.1	60.9	5.00	4.00
4.65	NO							
L0158611		0	0.12747E-03	662513.1	4270811.5	60.8	5.00	4.00
4.65	NO							
L0158612		0	0.12747E-03	662513.1	4270802.9	60.8	5.00	4.00
4.65	NO							
L0158613		0	0.12747E-03	662513.1	4270794.3	60.6	5.00	4.00
4.65	NO							
L0158614		0	0.12747E-03	662513.0	4270785.7	60.5	5.00	4.00
4.65	NO							
L0158615		0	0.12747E-03	662513.0	4270777.1	60.4	5.00	4.00
4.65	NO							
L0158616		0	0.12747E-03	662513.0	4270768.5	60.2	5.00	4.00
4.65	NO							
L0158617		0	0.12747E-03	662512.9	4270759.9	60.1	5.00	4.00
4.65	NO							
L0158618		0	0.12747E-03	662512.9	4270751.3	60.0	5.00	4.00
4.65	NO							
L0158619		0	0.12747E-03	662512.8	4270742.7	59.9	5.00	4.00
4.65	NO							
L0158620		0	0.12747E-03	662512.8	4270734.1	59.8	5.00	4.00
4.65	NO							
L0158621		0	0.12747E-03	662512.8	4270725.5	59.7	5.00	4.00
4.65	NO							
L0158622		0	0.12747E-03	662512.7	4270716.9	59.5	5.00	4.00

4.65	NO							
L0158623		0	0.12747E-03	662512.7	4270708.3	59.4	5.00	4.00
4.65	NO							
L0158624		0	0.12747E-03	662512.7	4270699.7	59.2	5.00	4.00
4.65	NO							
L0158625		0	0.12747E-03	662512.6	4270691.1	59.1	5.00	4.00
4.65	NO							
L0158626		0	0.12747E-03	662512.6	4270682.5	59.2	5.00	4.00
4.65	NO							
L0158627		0	0.12747E-03	662512.6	4270673.9	59.2	5.00	4.00
4.65	NO							
L0158628		0	0.12747E-03	662512.5	4270665.3	59.2	5.00	4.00
4.65	NO							
L0158629		0	0.12747E-03	662512.5	4270656.7	59.4	5.00	4.00
4.65	NO							
L0158630		0	0.12747E-03	662512.4	4270648.1	59.6	5.00	4.00
4.65	NO							
L0158631		0	0.12747E-03	662512.4	4270639.5	59.7	5.00	4.00
4.65	NO							
L0158632		0	0.12747E-03	662512.4	4270630.9	59.8	5.00	4.00
4.65	NO							
L0158633		0	0.12747E-03	662512.3	4270622.3	59.7	5.00	4.00
4.65	NO							
L0158634		0	0.12747E-03	662512.3	4270613.7	59.6	5.00	4.00

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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								
L0158635		0	0.12747E-03	662512.3	4270605.1	59.5	5.00	4.00
4.65	NO							
L0158636		0	0.12747E-03	662512.2	4270596.5	59.5	5.00	4.00
4.65	NO							
L0158637		0	0.12747E-03	662512.2	4270587.9	59.4	5.00	4.00

4.65	NO							
L0158638		0	0.12747E-03	662512.2	4270579.3	59.3	5.00	4.00
4.65	NO							
L0158639		0	0.12747E-03	662512.1	4270570.7	59.2	5.00	4.00
4.65	NO							
L0158640		0	0.12747E-03	662512.1	4270562.1	59.2	5.00	4.00
4.65	NO							
L0158641		0	0.12747E-03	662512.0	4270553.5	59.2	5.00	4.00
4.65	NO							
L0158642		0	0.12747E-03	662512.0	4270544.9	59.1	5.00	4.00
4.65	NO							
L0158643		0	0.12747E-03	662512.0	4270536.3	59.0	5.00	4.00
4.65	NO							
L0158644		0	0.12747E-03	662511.9	4270527.7	58.8	5.00	4.00
4.65	NO							
L0158645		0	0.12747E-03	662511.9	4270519.1	58.7	5.00	4.00
4.65	NO							
L0158646		0	0.12747E-03	662511.9	4270510.5	58.5	5.00	4.00
4.65	NO							
L0158647		0	0.12747E-03	662511.8	4270501.9	58.3	5.00	4.00
4.65	NO							
L0158648		0	0.12747E-03	662511.8	4270493.3	58.1	5.00	4.00
4.65	NO							
L0158649		0	0.12747E-03	662511.8	4270484.7	57.9	5.00	4.00
4.65	NO							
L0158650		0	0.12747E-03	662511.7	4270476.1	57.7	5.00	4.00
4.65	NO							
L0158651		0	0.12747E-03	662511.7	4270467.5	57.5	5.00	4.00
4.65	NO							
L0158652		0	0.12747E-03	662511.6	4270458.9	57.3	5.00	4.00
4.65	NO							
L0158653		0	0.12747E-03	662511.6	4270450.3	57.2	5.00	4.00
4.65	NO							
L0158654		0	0.12747E-03	662511.6	4270441.7	57.1	5.00	4.00
4.65	NO							
L0158655		0	0.12747E-03	662511.5	4270433.1	57.1	5.00	4.00
4.65	NO							
L0158656		0	0.12747E-03	662511.5	4270424.5	57.1	5.00	4.00
4.65	NO							
L0158657		0	0.12747E-03	662511.5	4270415.9	57.1	5.00	4.00
4.65	NO							
L0158658		0	0.12747E-03	662511.4	4270407.3	57.1	5.00	4.00
4.65	NO							
L0158659		0	0.12747E-03	662511.4	4270398.7	57.1	5.00	4.00
4.65	NO							
L0158660		0	0.12747E-03	662511.4	4270390.1	57.1	5.00	4.00
4.65	NO							
L0158661		0	0.12747E-03	662511.3	4270381.5	57.0	5.00	4.00
4.65	NO							
L0158662		0	0.12747E-03	662511.3	4270372.9	56.9	5.00	4.00

4.65	NO							
L0158663		0	0.12747E-03	662511.2	4270364.3	56.8	5.00	4.00
4.65	NO							
L0158664		0	0.12747E-03	662511.2	4270355.7	56.7	5.00	4.00
4.65	NO							
L0158665		0	0.12747E-03	662511.2	4270347.1	56.6	5.00	4.00
4.65	NO							
L0158666		0	0.12747E-03	662511.1	4270338.5	56.5	5.00	4.00
4.65	NO							
L0158667		0	0.12747E-03	662511.1	4270329.9	56.4	5.00	4.00
4.65	NO							
L0158668		0	0.12747E-03	662511.1	4270321.3	56.2	5.00	4.00
4.65	NO							
L0158669		0	0.12747E-03	662511.0	4270312.7	56.0	5.00	4.00
4.65	NO							
L0158670		0	0.12747E-03	662511.0	4270304.1	55.8	5.00	4.00
4.65	NO							
L0158671		0	0.12747E-03	662511.0	4270295.5	55.6	5.00	4.00
4.65	NO							
L0158672		0	0.12747E-03	662512.6	4270288.6	55.5	5.00	4.00
4.65	NO							
L0158673		0	0.12747E-03	662521.2	4270288.4	56.2	5.00	4.00
4.65	NO							
L0158674		0	0.12747E-03	662529.8	4270288.3	57.1	5.00	4.00

^ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0158675		0	0.12747E-03	662538.4	4270288.1	58.0	5.00	4.00
4.65	NO							
L0158676		0	0.12747E-03	662547.0	4270287.9	58.8	5.00	4.00
4.65	NO							
L0158677		0	0.12747E-03	662555.6	4270287.8	59.5	5.00	4.00

4.65	NO							
L0158678		0	0.12747E-03	662564.2	4270287.6	60.2	5.00	4.00
4.65	NO							
L0158679		0	0.12747E-03	662572.8	4270287.5	60.8	5.00	4.00
4.65	NO							
L0158680		0	0.12747E-03	662581.4	4270287.3	61.4	5.00	4.00
4.65	NO							
L0158681		0	0.12747E-03	662590.0	4270287.2	62.0	5.00	4.00
4.65	NO							
L0158682		0	0.12747E-03	662598.6	4270287.0	62.3	5.00	4.00
4.65	NO							
L0158683		0	0.12747E-03	662607.2	4270286.9	62.7	5.00	4.00
4.65	NO							
L0158684		0	0.12747E-03	662615.8	4270286.7	63.0	5.00	4.00
4.65	NO							
L0158685		0	0.12747E-03	662624.4	4270286.6	63.4	5.00	4.00
4.65	NO							
L0158686		0	0.12747E-03	662633.0	4270286.4	63.8	5.00	4.00
4.65	NO							
L0158687		0	0.12747E-03	662641.6	4270286.3	64.3	5.00	4.00
4.65	NO							
L0158688		0	0.12747E-03	662650.2	4270286.1	64.8	5.00	4.00
4.65	NO							
L0158689		0	0.12747E-03	662658.8	4270286.0	65.3	5.00	4.00
4.65	NO							
L0158690		0	0.12747E-03	662667.4	4270285.8	65.9	5.00	4.00
4.65	NO							
L0158691		0	0.12747E-03	662676.0	4270285.7	66.4	5.00	4.00
4.65	NO							
L0158692		0	0.12747E-03	662684.6	4270285.5	66.9	5.00	4.00
4.65	NO							
L0158693		0	0.12747E-03	662693.2	4270285.4	67.4	5.00	4.00
4.65	NO							
L0158694		0	0.12747E-03	662701.8	4270285.2	67.9	5.00	4.00
4.65	NO							
L0158695		0	0.12747E-03	662710.4	4270285.1	68.3	5.00	4.00
4.65	NO							
L0158696		0	0.12747E-03	662719.0	4270284.9	68.7	5.00	4.00
4.65	NO							
L0158697		0	0.12747E-03	662727.6	4270284.8	69.1	5.00	4.00
4.65	NO							
L0158698		0	0.12747E-03	662736.2	4270284.6	69.4	5.00	4.00
4.65	NO							
L0158699		0	0.12747E-03	662744.8	4270284.4	69.7	5.00	4.00
4.65	NO							
L0158700		0	0.12747E-03	662753.4	4270284.3	70.0	5.00	4.00
4.65	NO							
L0158701		0	0.12747E-03	662762.0	4270284.1	70.3	5.00	4.00
4.65	NO							
L0158702		0	0.12747E-03	662770.6	4270284.0	70.5	5.00	4.00

4.65	NO							
L0158703		0	0.12747E-03	662779.2	4270283.8	70.7	5.00	4.00
4.65	NO							
L0158704		0	0.12747E-03	662787.8	4270283.7	70.9	5.00	4.00
4.65	NO							
L0158705		0	0.12747E-03	662796.4	4270283.5	71.0	5.00	4.00
4.65	NO							
L0158706		0	0.12747E-03	662805.0	4270283.4	71.2	5.00	4.00
4.65	NO							
L0158707		0	0.12747E-03	662813.6	4270283.2	71.3	5.00	4.00
4.65	NO							
L0158708		0	0.12747E-03	662822.2	4270283.1	71.5	5.00	4.00
4.65	NO							
L0158709		0	0.12747E-03	662830.8	4270282.9	71.7	5.00	4.00
4.65	NO							
L0158710		0	0.12747E-03	662839.4	4270282.8	71.9	5.00	4.00
4.65	NO							
L0158711		0	0.12747E-03	662848.0	4270282.6	72.1	5.00	4.00
4.65	NO							
L0158712		0	0.12747E-03	662856.6	4270282.5	72.3	5.00	4.00
4.65	NO							
L0158713		0	0.12747E-03	662865.2	4270282.3	72.4	5.00	4.00
4.65	NO							
L0158714		0	0.12747E-03	662873.8	4270282.2	72.4	5.00	4.00

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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0158715		0	0.12747E-03	662882.4	4270282.0	72.4	5.00	4.00
4.65	NO							
L0158716		0	0.12747E-03	662891.0	4270281.9	72.0	5.00	4.00
4.65	NO							
L0158717		0	0.12747E-03	662899.6	4270281.7	71.5	5.00	4.00



4.65	NO							
L0158718		0	0.12747E-03	662908.2	4270281.6	71.0	5.00	4.00
4.65	NO							
L0158719		0	0.12747E-03	662916.8	4270281.4	70.2	5.00	4.00
4.65	NO							
L0158720		0	0.12747E-03	662925.4	4270281.3	69.3	5.00	4.00
4.65	NO							
L0158721		0	0.12747E-03	662934.0	4270281.1	68.4	5.00	4.00
4.65	NO							
L0158722		0	0.12747E-03	662942.6	4270280.9	67.3	5.00	4.00
4.65	NO							
L0158723		0	0.12747E-03	662951.2	4270280.8	66.2	5.00	4.00
4.65	NO							
L0158724		0	0.12747E-03	662959.8	4270280.6	65.3	5.00	4.00
4.65	NO							
L0158725		0	0.12747E-03	662968.4	4270280.5	64.4	5.00	4.00
4.65	NO							
L0158726		0	0.12747E-03	662977.0	4270280.3	63.4	5.00	4.00
4.65	NO							
L0158727		0	0.12747E-03	662985.6	4270280.2	62.7	5.00	4.00
4.65	NO							
L0158728		0	0.12747E-03	662994.2	4270280.0	62.0	5.00	4.00
4.65	NO							
L0158729		0	0.12747E-03	663002.8	4270279.9	61.2	5.00	4.00
4.65	NO							
L0158730		0	0.12747E-03	663011.4	4270279.7	60.4	5.00	4.00
4.65	NO							
L0158731		0	0.12747E-03	663020.0	4270279.6	59.5	5.00	4.00
4.65	NO							
L0158732		0	0.12747E-03	663028.6	4270279.4	58.8	5.00	4.00
4.65	NO							
L0158733		0	0.12747E-03	663037.2	4270279.3	58.7	5.00	4.00
4.65	NO							
L0158734		0	0.12747E-03	663045.7	4270279.1	58.6	5.00	4.00
4.65	NO							
L0158735		0	0.12747E-03	663054.3	4270279.0	58.8	5.00	4.00
4.65	NO							
L0158736		0	0.12747E-03	663062.9	4270278.8	59.3	5.00	4.00
4.65	NO							
L0158737		0	0.12747E-03	663071.5	4270278.7	59.9	5.00	4.00
4.65	NO							
L0158738		0	0.12747E-03	663080.1	4270278.5	60.4	5.00	4.00
4.65	NO							
L0158739		0	0.12747E-03	663088.7	4270278.4	61.0	5.00	4.00
4.65	NO							
L0158740		0	0.12747E-03	663097.3	4270278.2	61.6	5.00	4.00
4.65	NO							
L0158741		0	0.12747E-03	663105.9	4270278.1	62.0	5.00	4.00
4.65	NO							
L0158742		0	0.12747E-03	663114.5	4270277.9	62.4	5.00	4.00

4.65	NO							
L0158743		0	0.12747E-03	663123.1	4270277.8	62.8	5.00	4.00
4.65	NO							
L0158744		0	0.12747E-03	663131.7	4270277.6	62.9	5.00	4.00
4.65	NO							
L0158745		0	0.12747E-03	663140.3	4270277.4	62.9	5.00	4.00
4.65	NO							
L0158746		0	0.12747E-03	663148.9	4270277.3	63.0	5.00	4.00
4.65	NO							
L0158747		0	0.12747E-03	663157.5	4270277.1	62.9	5.00	4.00
4.65	NO							
L0158748		0	0.12747E-03	663166.1	4270277.0	62.8	5.00	4.00
4.65	NO							
L0158749		0	0.12747E-03	663174.7	4270276.8	62.6	5.00	4.00
4.65	NO							
L0158750		0	0.12747E-03	663183.3	4270276.7	62.4	5.00	4.00
4.65	NO							
L0158751		0	0.12747E-03	663191.9	4270276.5	62.2	5.00	4.00
4.65	NO							
L0158752		0	0.12747E-03	663200.5	4270276.4	62.3	5.00	4.00
4.65	NO							
L0158753		0	0.12747E-03	663209.1	4270276.2	62.6	5.00	4.00
4.65	NO							
L0158754		0	0.12747E-03	663217.7	4270276.1	62.9	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0158755		0	0.12747E-03	663226.3	4270275.9	63.1	5.00	4.00
4.65	NO							
L0158756		0	0.12747E-03	663234.9	4270275.8	63.4	5.00	4.00
4.65	NO							
L0158757		0	0.12747E-03	663243.5	4270275.6	63.6	5.00	4.00

4.65	NO							
L0158758		0	0.12747E-03	663252.1	4270275.5	63.4	5.00	4.00
4.65	NO							
L0158759		0	0.12747E-03	663255.9	4270270.4	62.7	5.00	4.00
4.65	NO							
L0158760		0	0.12747E-03	663256.3	4270261.8	61.7	5.00	4.00
4.65	NO							
L0158761		0	0.12747E-03	663256.6	4270253.2	60.7	5.00	4.00
4.65	NO							
L0158762		0	0.12747E-03	663257.0	4270244.6	59.6	5.00	4.00
4.65	NO							
L0158763		0	0.12747E-03	663257.4	4270236.0	58.3	5.00	4.00
4.65	NO							
L0158764		0	0.12747E-03	663257.8	4270227.4	57.0	5.00	4.00
4.65	NO							
L0158765		0	0.12747E-03	663258.1	4270218.8	55.7	5.00	4.00
4.65	NO							
L0158766		0	0.12747E-03	663258.5	4270210.2	54.6	5.00	4.00
4.65	NO							
L0158767		0	0.12747E-03	663258.9	4270201.6	53.6	5.00	4.00
4.65	NO							
L0158768		0	0.12747E-03	663259.3	4270193.0	52.6	5.00	4.00
4.65	NO							
L0158769		0	0.12747E-03	663259.6	4270184.5	51.8	5.00	4.00
4.65	NO							
L0158770		0	0.12747E-03	663260.0	4270175.9	51.6	5.00	4.00
4.65	NO							
L0158771		0	0.12747E-03	663260.4	4270167.3	51.5	5.00	4.00
4.65	NO							
L0158772		0	0.12747E-03	663260.8	4270158.7	51.3	5.00	4.00
4.65	NO							
L0158773		0	0.12747E-03	663261.1	4270150.1	51.4	5.00	4.00
4.65	NO							
L0158774		0	0.12747E-03	663261.5	4270141.5	51.5	5.00	4.00
4.65	NO							
L0158775		0	0.12747E-03	663261.9	4270132.9	51.6	5.00	4.00
4.65	NO							
L0158776		0	0.12747E-03	663262.2	4270124.3	51.7	5.00	4.00
4.65	NO							
L0158777		0	0.12747E-03	663262.6	4270115.7	51.9	5.00	4.00
4.65	NO							
L0158778		0	0.12747E-03	663263.0	4270107.1	52.0	5.00	4.00
4.65	NO							
L0158779		0	0.12747E-03	663263.4	4270098.5	52.2	5.00	4.00
4.65	NO							
L0158780		0	0.12747E-03	663263.7	4270089.9	52.8	5.00	4.00
4.65	NO							
L0158781		0	0.12747E-03	663264.1	4270081.4	54.1	5.00	4.00
4.65	NO							
L0158782		0	0.12747E-03	663264.5	4270072.8	55.3	5.00	4.00

4.65	NO							
L0158783		0	0.12747E-03	663264.9	4270064.2	56.6	5.00	4.00
4.65	NO							
L0158784		0	0.12747E-03	663265.2	4270055.6	57.2	5.00	4.00
4.65	NO							
L0158785		0	0.12747E-03	663265.6	4270047.0	57.8	5.00	4.00
4.65	NO							
L0158786		0	0.12747E-03	663266.0	4270038.4	58.3	5.00	4.00
4.65	NO							
L0158787		0	0.12747E-03	663266.4	4270029.8	58.6	5.00	4.00
4.65	NO							
L0158788		0	0.12747E-03	663266.7	4270021.2	58.5	5.00	4.00
4.65	NO							
L0158789		0	0.12747E-03	663267.1	4270012.6	58.3	5.00	4.00
4.65	NO							
L0158790		0	0.12747E-03	663267.5	4270004.0	58.1	5.00	4.00
4.65	NO							
L0158791		0	0.12747E-03	663267.9	4269995.4	57.7	5.00	4.00
4.65	NO							
L0158792		0	0.12747E-03	663268.2	4269986.8	57.1	5.00	4.00
4.65	NO							
L0158793		0	0.12747E-03	663268.6	4269978.2	56.5	5.00	4.00
4.65	NO							
L0158794		0	0.12747E-03	663269.0	4269969.7	56.0	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0158795		0	0.12747E-03	663269.3	4269961.1	55.4	5.00	4.00
4.65	NO							
L0158796		0	0.12747E-03	663269.7	4269952.5	54.8	5.00	4.00
4.65	NO							
L0158797		0	0.12747E-03	663270.1	4269943.9	54.2	5.00	4.00

4.65	NO							
L0158798		0	0.12747E-03	663270.5	4269935.3	54.2	5.00	4.00
4.65	NO							
L0158799		0	0.12747E-03	663270.8	4269926.7	54.6	5.00	4.00
4.65	NO							
L0158800		0	0.12747E-03	663271.2	4269918.1	55.1	5.00	4.00
4.65	NO							
L0158801		0	0.12747E-03	663271.6	4269909.5	55.6	5.00	4.00
4.65	NO							
L0158802		0	0.12747E-03	663272.0	4269900.9	56.2	5.00	4.00
4.65	NO							
L0158803		0	0.12747E-03	663272.3	4269892.3	56.9	5.00	4.00
4.65	NO							
L0158804		0	0.12747E-03	663272.7	4269883.7	57.6	5.00	4.00
4.65	NO							
L0158805		0	0.12747E-03	663273.1	4269875.1	58.2	5.00	4.00
4.65	NO							
L0158806		0	0.12747E-03	663273.5	4269866.6	58.6	5.00	4.00
4.65	NO							
L0158807		0	0.12747E-03	663273.8	4269858.0	59.0	5.00	4.00
4.65	NO							
L0158808		0	0.12747E-03	663274.2	4269849.4	59.4	5.00	4.00
4.65	NO							
L0158809		0	0.12747E-03	663274.6	4269840.8	59.7	5.00	4.00
4.65	NO							
L0158810		0	0.12747E-03	663274.9	4269832.2	59.9	5.00	4.00
4.65	NO							
L0158811		0	0.12747E-03	663275.3	4269823.6	60.1	5.00	4.00
4.65	NO							
L0158812		0	0.12747E-03	663275.7	4269815.0	60.2	5.00	4.00
4.65	NO							
L0158813		0	0.12747E-03	663276.1	4269806.4	59.9	5.00	4.00
4.65	NO							
L0158814		0	0.12747E-03	663276.4	4269797.8	59.6	5.00	4.00
4.65	NO							
L0158815		0	0.12747E-03	663276.8	4269789.2	59.3	5.00	4.00
4.65	NO							
L0158816		0	0.12747E-03	663277.2	4269780.6	58.9	5.00	4.00
4.65	NO							
L0158817		0	0.12747E-03	663277.6	4269772.0	58.3	5.00	4.00
4.65	NO							
L0158818		0	0.12747E-03	663277.9	4269763.5	57.7	5.00	4.00
4.65	NO							
L0158819		0	0.12747E-03	663278.3	4269754.9	57.1	5.00	4.00
4.65	NO							
L0158820		0	0.12747E-03	663278.7	4269746.3	57.1	5.00	4.00
4.65	NO							
L0158821		0	0.12747E-03	663279.1	4269737.7	57.1	5.00	4.00
4.65	NO							
L0158822		0	0.12747E-03	663279.4	4269729.1	57.1	5.00	4.00

4.65	NO							
L0158823		0	0.12747E-03	663279.8	4269720.5	57.2	5.00	4.00
4.65	NO							
L0158824		0	0.12747E-03	663280.2	4269711.9	57.7	5.00	4.00
4.65	NO							
L0158825		0	0.12747E-03	663280.6	4269703.3	58.1	5.00	4.00
4.65	NO							
L0158826		0	0.12747E-03	663280.9	4269694.7	58.6	5.00	4.00
4.65	NO							
L0158827		0	0.12747E-03	663281.3	4269686.1	59.0	5.00	4.00
4.65	NO							
L0158828		0	0.12747E-03	663281.7	4269677.5	59.5	5.00	4.00
4.65	NO							
L0158829		0	0.12747E-03	663282.0	4269668.9	60.0	5.00	4.00
4.65	NO							
L0158830		0	0.12747E-03	663282.4	4269660.3	60.5	5.00	4.00
4.65	NO							
L0158831		0	0.12747E-03	663282.8	4269651.8	61.2	5.00	4.00
4.65	NO							
L0158832		0	0.12747E-03	663283.2	4269643.2	61.9	5.00	4.00
4.65	NO							
L0158833		0	0.12747E-03	663283.5	4269634.6	62.6	5.00	4.00
4.65	NO							
L0158834		0	0.12747E-03	663283.9	4269626.0	63.7	5.00	4.00

\*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					

L0158835		0	0.12747E-03	663284.3	4269617.4	65.0	5.00	4.00
4.65	NO							
L0158836		0	0.12747E-03	663284.7	4269608.8	66.2	5.00	4.00
4.65	NO							
L0158837		0	0.12747E-03	663285.0	4269600.2	67.5	5.00	4.00

4.65	NO							
L0158838		0	0.12747E-03	663285.4	4269591.6	68.4	5.00	4.00
4.65	NO							
L0158839		0	0.12747E-03	663285.8	4269583.0	69.3	5.00	4.00
4.65	NO							
L0158840		0	0.12747E-03	663286.2	4269574.4	70.3	5.00	4.00
4.65	NO							
L0158841		0	0.12747E-03	663286.5	4269565.8	70.9	5.00	4.00
4.65	NO							
L0158842		0	0.12747E-03	663286.9	4269557.2	71.2	5.00	4.00
4.65	NO							
L0158843		0	0.12747E-03	663287.3	4269548.7	71.5	5.00	4.00
4.65	NO							
L0158844		0	0.12747E-03	663287.7	4269540.1	71.7	5.00	4.00
4.65	NO							
L0158845		0	0.12747E-03	663288.0	4269531.5	71.8	5.00	4.00
4.65	NO							
L0158846		0	0.12747E-03	663288.4	4269522.9	71.8	5.00	4.00
4.65	NO							
L0158847		0	0.12747E-03	663291.8	4269517.8	71.6	5.00	4.00
4.65	NO							
L0158848		0	0.12747E-03	663300.3	4269518.8	71.1	5.00	4.00
4.65	NO							
L0158849		0	0.12747E-03	663308.9	4269519.8	70.5	5.00	4.00
4.65	NO							
L0158850		0	0.12747E-03	663317.4	4269520.7	69.9	5.00	4.00
4.65	NO							
L0158851		0	0.12747E-03	663326.0	4269521.7	69.2	5.00	4.00
4.65	NO							
L0158852		0	0.12747E-03	663334.5	4269522.6	68.7	5.00	4.00
4.65	NO							
L0158853		0	0.12747E-03	663343.1	4269523.6	68.4	5.00	4.00
4.65	NO							
L0158854		0	0.12747E-03	663351.6	4269524.6	68.1	5.00	4.00
4.65	NO							
L0158855		0	0.12747E-03	663360.2	4269525.5	68.0	5.00	4.00
4.65	NO							
L0158856		0	0.12747E-03	663368.7	4269526.5	67.9	5.00	4.00
4.65	NO							
L0158857		0	0.12747E-03	663377.3	4269527.5	67.8	5.00	4.00
4.65	NO							
L0158858		0	0.12747E-03	663385.8	4269528.4	67.7	5.00	4.00
4.65	NO							
L0158859		0	0.12747E-03	663394.4	4269529.4	67.5	5.00	4.00
4.65	NO							
L0158860		0	0.12747E-03	663402.9	4269530.3	67.4	5.00	4.00
4.65	NO							
L0158861		0	0.12747E-03	663411.4	4269531.3	67.2	5.00	4.00
4.65	NO							
L0158862		0	0.12747E-03	663420.0	4269532.3	67.1	5.00	4.00

4.65	NO							
L0158863		0	0.12747E-03	663428.5	4269533.2	66.9	5.00	4.00
4.65	NO							
L0158864		0	0.12747E-03	663437.1	4269534.2	66.5	5.00	4.00
4.65	NO							
L0158865		0	0.12747E-03	663445.6	4269535.2	66.1	5.00	4.00
4.65	NO							
L0158866		0	0.12747E-03	663454.2	4269536.1	65.7	5.00	4.00
4.65	NO							
L0158867		0	0.12747E-03	663462.7	4269537.1	65.1	5.00	4.00
4.65	NO							
L0158868		0	0.12747E-03	663471.3	4269538.0	64.5	5.00	4.00
4.65	NO							
L0158869		0	0.12747E-03	663479.8	4269539.0	64.0	5.00	4.00
4.65	NO							
L0158870		0	0.12747E-03	663488.4	4269540.0	63.5	5.00	4.00
4.65	NO							
L0158871		0	0.12747E-03	663496.9	4269540.9	63.0	5.00	4.00
4.65	NO							
L0158872		0	0.12747E-03	663505.4	4269541.9	62.7	5.00	4.00
4.65	NO							
L0158873		0	0.12747E-03	663514.0	4269542.9	62.4	5.00	4.00
4.65	NO							
L0158874		0	0.12747E-03	663522.5	4269543.8	62.1	5.00	4.00

\*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					

L0158875		0	0.12747E-03	663531.1	4269544.8	62.1	5.00	4.00
4.65	NO							
L0158876		0	0.12747E-03	663539.6	4269545.8	62.3	5.00	4.00
4.65	NO							
L0158877		0	0.12747E-03	663548.2	4269546.7	62.4	5.00	4.00



4.65	NO							
L0158878		0	0.12747E-03	663556.7	4269547.7	62.5	5.00	4.00
4.65	NO							
L0158879		0	0.12747E-03	663565.3	4269548.6	62.6	5.00	4.00
4.65	NO							
L0158880		0	0.12747E-03	663573.8	4269549.6	62.7	5.00	4.00
4.65	NO							
L0158881		0	0.12747E-03	663582.4	4269550.6	62.8	5.00	4.00
4.65	NO							
L0158882		0	0.12747E-03	663590.9	4269551.5	62.9	5.00	4.00
4.65	NO							
L0158883		0	0.12747E-03	663599.5	4269552.5	62.9	5.00	4.00
4.65	NO							
L0158884		0	0.12747E-03	663608.0	4269553.5	63.0	5.00	4.00
4.65	NO							
L0158885		0	0.12747E-03	663616.5	4269554.4	63.0	5.00	4.00
4.65	NO							
L0158886		0	0.12747E-03	663625.1	4269555.4	63.1	5.00	4.00
4.65	NO							
L0158887		0	0.12747E-03	663633.6	4269556.3	63.1	5.00	4.00
4.65	NO							
L0158888		0	0.12747E-03	663642.2	4269557.3	63.1	5.00	4.00
4.65	NO							
L0158889		0	0.12747E-03	663650.7	4269558.3	63.2	5.00	4.00
4.65	NO							
L0158890		0	0.12747E-03	663659.3	4269559.2	63.2	5.00	4.00
4.65	NO							
L0158891		0	0.12747E-03	663667.8	4269560.2	63.2	5.00	4.00
4.65	NO							
L0158892		0	0.12747E-03	663676.4	4269561.2	63.2	5.00	4.00
4.65	NO							
L0158893		0	0.12747E-03	663684.9	4269562.1	63.2	5.00	4.00
4.65	NO							
L0158894		0	0.12747E-03	663693.5	4269563.1	63.2	5.00	4.00
4.65	NO							
L0158895		0	0.12747E-03	663702.0	4269564.0	63.3	5.00	4.00
4.65	NO							
L0158896		0	0.12747E-03	663710.5	4269565.0	63.4	5.00	4.00
4.65	NO							
L0158897		0	0.12747E-03	663719.1	4269566.0	63.5	5.00	4.00
4.65	NO							
L0158898		0	0.12747E-03	663727.6	4269566.9	63.5	5.00	4.00
4.65	NO							
L0158899		0	0.12747E-03	663736.2	4269567.9	63.5	5.00	4.00
4.65	NO							
L0158900		0	0.12747E-03	663744.7	4269568.9	63.4	5.00	4.00
4.65	NO							
L0158901		0	0.12747E-03	663753.3	4269569.8	63.2	5.00	4.00
4.65	NO							
L0158902		0	0.12747E-03	663755.9	4269575.4	62.9	5.00	4.00

4.65	NO							
L0158903		0	0.12747E-03	663754.9	4269584.0	62.7	5.00	4.00
4.65	NO							
L0158904		0	0.12747E-03	663753.8	4269592.5	62.5	5.00	4.00
4.65	NO							
L0158905		0	0.12747E-03	663752.7	4269601.0	62.3	5.00	4.00
4.65	NO							
L0158906		0	0.12747E-03	663751.7	4269609.6	62.1	5.00	4.00
4.65	NO							
L0158907		0	0.12747E-03	663750.6	4269618.1	61.9	5.00	4.00
4.65	NO							
L0158908		0	0.12747E-03	663749.6	4269626.6	61.7	5.00	4.00
4.65	NO							
L0158909		0	0.12747E-03	663748.5	4269635.2	61.5	5.00	4.00
4.65	NO							
L0158910		0	0.12747E-03	663747.5	4269643.7	61.4	5.00	4.00
4.65	NO							
L0158911		0	0.12747E-03	663746.4	4269652.3	61.3	5.00	4.00
4.65	NO							
L0158912		0	0.12747E-03	663745.3	4269660.8	61.2	5.00	4.00
4.65	NO							
L0158913		0	0.12747E-03	663744.3	4269669.3	61.1	5.00	4.00
4.65	NO							
L0158914		0	0.12747E-03	663743.2	4269677.9	61.0	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								
L0158915		0	0.12747E-03	663742.2	4269686.4	60.9	5.00	4.00
4.65	NO							
L0158916		0	0.12747E-03	663741.1	4269694.9	60.9	5.00	4.00
4.65	NO							
L0158917		0	0.12747E-03	663740.0	4269703.5	60.8	5.00	4.00

4.65	NO							
L0158918		0	0.12747E-03	663739.0	4269712.0	60.8	5.00	4.00
4.65	NO							
L0158919		0	0.12747E-03	663737.9	4269720.5	60.7	5.00	4.00
4.65	NO							
L0158920		0	0.12747E-03	663736.9	4269729.1	60.7	5.00	4.00
4.65	NO							
L0158921		0	0.12747E-03	663735.8	4269737.6	60.6	5.00	4.00
4.65	NO							
L0158922		0	0.12747E-03	663734.8	4269746.1	60.7	5.00	4.00
4.65	NO							
L0158923		0	0.12747E-03	663733.7	4269754.7	60.7	5.00	4.00
4.65	NO							
L0158924		0	0.12747E-03	663732.6	4269763.2	60.7	5.00	4.00
4.65	NO							
L0158925		0	0.12747E-03	663731.6	4269771.7	60.7	5.00	4.00
4.65	NO							
L0158926		0	0.12747E-03	663730.5	4269780.3	60.6	5.00	4.00
4.65	NO							
L0158927		0	0.12747E-03	663729.5	4269788.8	60.6	5.00	4.00
4.65	NO							
L0158928		0	0.12747E-03	663728.4	4269797.3	60.6	5.00	4.00
4.65	NO							
L0158929		0	0.12747E-03	663727.3	4269805.9	60.7	5.00	4.00
4.65	NO							
L0158930		0	0.12747E-03	663726.3	4269814.4	60.8	5.00	4.00
4.65	NO							
L0158931		0	0.12747E-03	663725.2	4269822.9	60.9	5.00	4.00
4.65	NO							
L0158932		0	0.12747E-03	663724.2	4269831.5	61.1	5.00	4.00
4.65	NO							
L0158933		0	0.12747E-03	663723.1	4269840.0	61.3	5.00	4.00
4.65	NO							
L0158934		0	0.12747E-03	663722.1	4269848.5	61.5	5.00	4.00
4.65	NO							
L0158935		0	0.12747E-03	663721.0	4269857.1	61.8	5.00	4.00
4.65	NO							
L0158936		0	0.12747E-03	663719.9	4269865.6	62.0	5.00	4.00
4.65	NO							
L0158937		0	0.12747E-03	663718.9	4269874.2	62.2	5.00	4.00
4.65	NO							
L0158938		0	0.12747E-03	663717.8	4269882.7	62.4	5.00	4.00
4.65	NO							
L0158939		0	0.12747E-03	663716.8	4269891.2	62.7	5.00	4.00
4.65	NO							
L0158940		0	0.12747E-03	663715.7	4269899.8	63.1	5.00	4.00
4.65	NO							
L0158941		0	0.12747E-03	663714.6	4269908.3	63.5	5.00	4.00
4.65	NO							
L0158942		0	0.12747E-03	663713.6	4269916.8	64.0	5.00	4.00

4.65	NO							
L0158943		0	0.12747E-03	663712.5	4269925.4	64.8	5.00	4.00
4.65	NO							
L0158944		0	0.12747E-03	663711.5	4269933.9	65.6	5.00	4.00
4.65	NO							
L0158945		0	0.12747E-03	663710.4	4269942.4	66.4	5.00	4.00
4.65	NO							
L0158946		0	0.12747E-03	663709.3	4269951.0	67.3	5.00	4.00
4.65	NO							
L0158947		0	0.12747E-03	663708.3	4269959.5	68.2	5.00	4.00
4.65	NO							
L0158948		0	0.12747E-03	663707.2	4269968.0	69.2	5.00	4.00
4.65	NO							
L0158949		0	0.12747E-03	663706.2	4269976.6	70.1	5.00	4.00
4.65	NO							
L0158950		0	0.12747E-03	663705.1	4269985.1	70.8	5.00	4.00
4.65	NO							
L0158951		0	0.12747E-03	663704.1	4269993.6	71.4	5.00	4.00
4.65	NO							
L0158952		0	0.12747E-03	663703.0	4270002.2	72.0	5.00	4.00
4.65	NO							
L0158953		0	0.12747E-03	663701.9	4270010.7	72.6	5.00	4.00
4.65	NO							
L0158954		0	0.12747E-03	663700.9	4270019.2	72.5	5.00	4.00

\*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0158955		0	0.12747E-03	663699.8	4270027.8	72.4	5.00	4.00
4.65	NO							
L0158956		0	0.12747E-03	663698.8	4270036.3	72.4	5.00	4.00
4.65	NO							
L0158957		0	0.12747E-03	663697.7	4270044.8	72.1	5.00	4.00

4.65	NO							
L0158958		0	0.12747E-03	663696.6	4270053.4	71.5	5.00	4.00
4.65	NO							
L0158959		0	0.12747E-03	663695.6	4270061.9	70.9	5.00	4.00
4.65	NO							
L0158960		0	0.12747E-03	663694.5	4270070.4	70.3	5.00	4.00
4.65	NO							
L0158961		0	0.12747E-03	663693.5	4270079.0	69.9	5.00	4.00
4.65	NO							
L0158962		0	0.12747E-03	663692.4	4270087.5	69.5	5.00	4.00
4.65	NO							
L0158963		0	0.12747E-03	663691.4	4270096.0	69.1	5.00	4.00
4.65	NO							
L0158964		0	0.12747E-03	663690.3	4270104.6	68.8	5.00	4.00
4.65	NO							
L0158965		0	0.12747E-03	663689.2	4270113.1	68.5	5.00	4.00
4.65	NO							
L0158966		0	0.12747E-03	663688.2	4270121.7	68.3	5.00	4.00
4.65	NO							
L0158967		0	0.12747E-03	663687.1	4270130.2	68.1	5.00	4.00
4.65	NO							
L0158968		0	0.12747E-03	663686.1	4270138.7	67.7	5.00	4.00
4.65	NO							
L0158969		0	0.12747E-03	663685.0	4270147.3	67.1	5.00	4.00
4.65	NO							
L0158970		0	0.12747E-03	663683.9	4270155.8	66.6	5.00	4.00
4.65	NO							
L0158971		0	0.12747E-03	663682.9	4270164.3	66.0	5.00	4.00
4.65	NO							
L0158972		0	0.12747E-03	663681.8	4270172.9	65.3	5.00	4.00
4.65	NO							
L0158973		0	0.12747E-03	663680.8	4270181.4	64.5	5.00	4.00
4.65	NO							
L0158974		0	0.12747E-03	663679.7	4270189.9	63.7	5.00	4.00
4.65	NO							
L0158975		0	0.12747E-03	663678.7	4270198.5	63.2	5.00	4.00
4.65	NO							
L0158976		0	0.12747E-03	663677.6	4270207.0	63.1	5.00	4.00
4.65	NO							
L0158977		0	0.12747E-03	663676.5	4270215.5	63.0	5.00	4.00
4.65	NO							
L0158978		0	0.12747E-03	663675.5	4270224.1	62.9	5.00	4.00
4.65	NO							
L0158979		0	0.12747E-03	663674.4	4270232.6	63.5	5.00	4.00
4.65	NO							
L0158980		0	0.12747E-03	663673.4	4270241.1	64.2	5.00	4.00
4.65	NO							
L0158981		0	0.12747E-03	663672.3	4270249.7	64.9	5.00	4.00
4.65	NO							
L0158982		0	0.12747E-03	663671.2	4270258.2	65.7	5.00	4.00

4.65	NO							
L0158983		0	0.12747E-03	663670.2	4270266.7	66.8	5.00	4.00
4.65	NO							
L0158984		0	0.12747E-03	663669.1	4270275.3	67.8	5.00	4.00
4.65	NO							
L0158985		0	0.12747E-03	663668.1	4270283.8	68.8	5.00	4.00
4.65	NO							
L0158986		0	0.12747E-03	663667.0	4270292.3	69.4	5.00	4.00
4.65	NO							
L0158987		0	0.12747E-03	663665.9	4270300.9	69.7	5.00	4.00
4.65	NO							
L0158988		0	0.12747E-03	663664.9	4270309.4	70.0	5.00	4.00
4.65	NO							
L0158989		0	0.12747E-03	663663.8	4270318.0	70.3	5.00	4.00
4.65	NO							
L0158990		0	0.12747E-03	663662.8	4270326.5	70.3	5.00	4.00
4.65	NO							
L0158991		0	0.12747E-03	663661.7	4270335.0	70.3	5.00	4.00
4.65	NO							
L0158992		0	0.12747E-03	663660.7	4270343.6	70.3	5.00	4.00
4.65	NO							
L0158993		0	0.12747E-03	663659.6	4270352.1	70.5	5.00	4.00
4.65	NO							
L0158994		0	0.12747E-03	663658.5	4270360.6	71.2	5.00	4.00

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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0158995		0	0.12747E-03	663657.5	4270369.2	71.8	5.00	4.00
4.65	NO							
L0158996		0	0.12747E-03	663656.4	4270377.7	72.4	5.00	4.00
4.65	NO							
L0158997		0	0.12747E-03	663655.4	4270386.2	72.8	5.00	4.00

4.65	NO							
L0158998		0	0.12747E-03	663654.3	4270394.8	73.1	5.00	4.00
4.65	NO							
L0158999		0	0.12747E-03	663653.2	4270403.3	73.4	5.00	4.00
4.65	NO							
L0159000		0	0.12747E-03	663652.2	4270411.8	73.6	5.00	4.00
4.65	NO							
L0159001		0	0.12747E-03	663651.1	4270420.4	73.2	5.00	4.00
4.65	NO							
L0159002		0	0.12747E-03	663642.6	4270420.9	72.4	5.00	4.00
4.65	NO							
L0159003		0	0.12747E-03	663634.0	4270421.4	71.6	5.00	4.00
4.65	NO							
L0159004		0	0.12747E-03	663625.4	4270421.8	70.8	5.00	4.00
4.65	NO							
L0159005		0	0.12747E-03	663616.8	4270422.3	70.1	5.00	4.00
4.65	NO							
L0159006		0	0.12747E-03	663608.2	4270422.8	69.4	5.00	4.00
4.65	NO							
L0159007		0	0.12747E-03	663599.6	4270423.3	68.4	5.00	4.00
4.65	NO							
L0159008		0	0.12747E-03	663591.1	4270423.7	67.1	5.00	4.00
4.65	NO							
L0159009		0	0.12747E-03	663582.5	4270424.2	65.8	5.00	4.00
4.65	NO							
L0159010		0	0.12747E-03	663573.9	4270424.7	64.3	5.00	4.00
4.65	NO							
L0159011		0	0.12747E-03	663565.3	4270425.2	62.8	5.00	4.00
4.65	NO							
L0159012		0	0.12747E-03	663556.7	4270425.6	61.2	5.00	4.00
4.65	NO							
L0159013		0	0.12747E-03	663548.1	4270426.1	60.8	5.00	4.00
4.65	NO							
L0159014		0	0.12747E-03	663539.5	4270426.6	60.5	5.00	4.00
4.65	NO							
L0159015		0	0.12747E-03	663530.9	4270427.1	60.2	5.00	4.00
4.65	NO							
L0159016		0	0.12747E-03	663522.4	4270427.6	60.6	5.00	4.00
4.65	NO							
L0159017		0	0.12747E-03	663513.8	4270428.0	61.0	5.00	4.00
4.65	NO							
L0159018		0	0.12747E-03	663505.2	4270428.5	61.0	5.00	4.00
4.65	NO							
L0159019		0	0.12747E-03	663496.6	4270429.0	60.3	5.00	4.00
4.65	NO							
L0159020		0	0.12747E-03	663488.0	4270429.5	59.5	5.00	4.00
4.65	NO							
L0159021		0	0.12747E-03	663479.4	4270429.9	58.3	5.00	4.00
4.65	NO							
L0159022		0	0.12747E-03	663470.8	4270430.4	56.7	5.00	4.00

4.65	NO							
L0159023		0	0.12747E-03	663462.2	4270430.9	55.1	5.00	4.00
4.65	NO							
L0159024		0	0.12747E-03	663453.7	4270431.4	54.2	5.00	4.00
4.65	NO							
L0159025		0	0.12747E-03	663445.1	4270431.8	53.7	5.00	4.00
4.65	NO							
L0159026		0	0.12747E-03	663436.5	4270432.3	53.2	5.00	4.00
4.65	NO							
L0159027		0	0.12747E-03	663427.9	4270432.8	53.2	5.00	4.00
4.65	NO							
L0159028		0	0.12747E-03	663419.3	4270433.3	53.4	5.00	4.00
4.65	NO							
L0159029		0	0.12747E-03	663413.6	4270436.7	53.6	5.00	4.00
4.65	NO							
L0159030		0	0.12747E-03	663412.7	4270445.3	54.4	5.00	4.00
4.65	NO							
L0159031		0	0.12747E-03	663411.9	4270453.8	55.2	5.00	4.00
4.65	NO							
L0159032		0	0.12747E-03	663411.0	4270462.4	56.1	5.00	4.00
4.65	NO							
L0159033		0	0.12747E-03	663410.2	4270470.9	57.1	5.00	4.00
4.65	NO							
L0159034		0	0.12747E-03	663409.4	4270479.5	58.3	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					

L0159035		0	0.12747E-03	663408.5	4270488.1	59.6	5.00	4.00
4.65	NO							
L0159036		0	0.12747E-03	663407.7	4270496.6	60.8	5.00	4.00
4.65	NO							
L0159037		0	0.12747E-03	663406.8	4270505.2	61.7	5.00	4.00



4.65	NO							
L0159038		0	0.12747E-03	663406.0	4270513.7	62.5	5.00	4.00
4.65	NO							
L0159039		0	0.12747E-03	663405.2	4270522.3	63.4	5.00	4.00
4.65	NO							
L0159040		0	0.12747E-03	663404.3	4270530.8	63.9	5.00	4.00
4.65	NO							
L0159041		0	0.12747E-03	663403.5	4270539.4	63.9	5.00	4.00
4.65	NO							
L0159042		0	0.12747E-03	663402.7	4270548.0	63.9	5.00	4.00
4.65	NO							
L0159043		0	0.12747E-03	663401.8	4270556.5	63.9	5.00	4.00
4.65	NO							
L0159044		0	0.12747E-03	663401.0	4270565.1	63.5	5.00	4.00
4.65	NO							
L0159045		0	0.12747E-03	663400.1	4270573.6	63.0	5.00	4.00
4.65	NO							
L0159046		0	0.12747E-03	663399.3	4270582.2	62.5	5.00	4.00
4.65	NO							
L0159047		0	0.12747E-03	663398.5	4270590.8	62.0	5.00	4.00
4.65	NO							
L0159048		0	0.12747E-03	663397.6	4270599.3	61.6	5.00	4.00
4.65	NO							
L0159049		0	0.12747E-03	663396.8	4270607.9	61.3	5.00	4.00
4.65	NO							
L0159050		0	0.12747E-03	663395.9	4270616.4	60.9	5.00	4.00
4.65	NO							
L0159051		0	0.12747E-03	663395.1	4270625.0	60.6	5.00	4.00
4.65	NO							
L0159052		0	0.12747E-03	663394.3	4270633.6	60.3	5.00	4.00
4.65	NO							
L0159053		0	0.12747E-03	663393.4	4270642.1	60.0	5.00	4.00
4.65	NO							
L0159054		0	0.12747E-03	663392.6	4270650.7	59.6	5.00	4.00
4.65	NO							
L0159055		0	0.12747E-03	663391.8	4270659.2	59.4	5.00	4.00
4.65	NO							
L0159056		0	0.12747E-03	663390.9	4270667.8	59.2	5.00	4.00
4.65	NO							
L0159057		0	0.12747E-03	663390.1	4270676.4	59.0	5.00	4.00
4.65	NO							
L0159058		0	0.12747E-03	663389.2	4270684.9	58.8	5.00	4.00
4.65	NO							
L0159059		0	0.12747E-03	663388.4	4270693.5	58.6	5.00	4.00
4.65	NO							
L0159060		0	0.12747E-03	663387.6	4270702.0	58.4	5.00	4.00
4.65	NO							
L0159061		0	0.12747E-03	663386.7	4270710.6	58.3	5.00	4.00
4.65	NO							
L0159062		0	0.12747E-03	663385.9	4270719.1	57.9	5.00	4.00

4.65	NO							
L0159063		0	0.12747E-03	663385.1	4270727.7	57.4	5.00	4.00
4.65	NO							
L0159064		0	0.12747E-03	663384.2	4270736.3	56.9	5.00	4.00
4.65	NO							
L0159065		0	0.12747E-03	663383.4	4270744.8	56.4	5.00	4.00
4.65	NO							
L0159066		0	0.12747E-03	663382.5	4270753.4	56.0	5.00	4.00
4.65	NO							
L0159067		0	0.12747E-03	663381.7	4270761.9	55.5	5.00	4.00
4.65	NO							
L0159068		0	0.12747E-03	663380.9	4270770.5	54.9	5.00	4.00
4.65	NO							
L0159069		0	0.12747E-03	663380.0	4270779.1	54.9	5.00	4.00
4.65	NO							
L0159070		0	0.12747E-03	663379.2	4270787.6	55.3	5.00	4.00
4.65	NO							
L0159071		0	0.12747E-03	663378.3	4270796.2	55.7	5.00	4.00
4.65	NO							
L0159072		0	0.12747E-03	663377.5	4270804.7	56.0	5.00	4.00
4.65	NO							
L0159073		0	0.12747E-03	663376.7	4270813.3	56.9	5.00	4.00
4.65	NO							
L0159074		0	0.12747E-03	663375.8	4270821.9	57.8	5.00	4.00

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 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								
L0159075		0	0.12747E-03	663375.0	4270830.4	58.7	5.00	4.00
4.65	NO							
L0159076		0	0.12747E-03	663374.2	4270839.0	59.5	5.00	4.00
4.65	NO							
L0159077		0	0.12747E-03	663373.3	4270847.5	60.3	5.00	4.00

4.65	NO							
L0159078		0	0.12747E-03	663372.5	4270856.1	61.1	5.00	4.00
4.65	NO							
L0159079		0	0.12747E-03	663371.6	4270864.7	61.8	5.00	4.00
4.65	NO							
L0159080		0	0.12747E-03	663370.8	4270873.2	61.7	5.00	4.00
4.65	NO							
L0159081		0	0.12747E-03	663370.0	4270881.8	61.2	5.00	4.00
4.65	NO							
L0159082		0	0.12747E-03	663369.1	4270890.3	60.8	5.00	4.00
4.65	NO							
L0159083		0	0.12747E-03	663368.3	4270898.9	60.2	5.00	4.00
4.65	NO							
L0159084		0	0.12747E-03	663367.4	4270907.4	59.1	5.00	4.00
4.65	NO							
L0159085		0	0.12747E-03	663366.6	4270916.0	58.1	5.00	4.00
4.65	NO							
L0159086		0	0.12747E-03	663365.8	4270924.6	57.1	5.00	4.00
4.65	NO							
L0159087		0	0.12747E-03	663364.9	4270933.1	56.5	5.00	4.00
4.65	NO							
L0159088		0	0.12747E-03	663364.1	4270941.7	56.3	5.00	4.00
4.65	NO							
L0159089		0	0.12747E-03	663363.3	4270950.2	56.0	5.00	4.00
4.65	NO							
L0159090		0	0.12747E-03	663362.4	4270958.8	55.8	5.00	4.00
4.65	NO							
L0159091		0	0.12747E-03	663361.6	4270967.4	55.9	5.00	4.00
4.65	NO							
L0159092		0	0.12747E-03	663360.7	4270975.9	56.0	5.00	4.00
4.65	NO							
L0159093		0	0.12747E-03	663359.9	4270984.5	56.2	5.00	4.00
4.65	NO							
L0159094		0	0.12747E-03	663359.1	4270993.0	56.6	5.00	4.00
4.65	NO							
L0159095		0	0.12747E-03	663358.2	4271001.6	57.4	5.00	4.00
4.65	NO							
L0159096		0	0.12747E-03	663357.4	4271010.2	58.2	5.00	4.00
4.65	NO							
L0159097		0	0.12747E-03	663356.6	4271018.7	59.0	5.00	4.00
4.65	NO							
L0159098		0	0.12747E-03	663355.7	4271027.3	59.7	5.00	4.00
4.65	NO							
L0159099		0	0.12747E-03	663354.9	4271035.8	60.4	5.00	4.00
4.65	NO							
L0159100		0	0.12747E-03	663354.0	4271044.4	61.1	5.00	4.00
4.65	NO							
L0159101		0	0.12747E-03	663353.2	4271053.0	61.8	5.00	4.00
4.65	NO							
L0159102		0	0.12747E-03	663352.4	4271061.5	62.4	5.00	4.00

4.65	NO							
L0159103		0	0.12747E-03	663351.5	4271070.1	63.0	5.00	4.00
4.65	NO							
L0159104		0	0.12747E-03	663350.7	4271078.6	63.5	5.00	4.00
4.65	NO							
L0159105		0	0.12747E-03	663349.8	4271087.2	64.3	5.00	4.00
4.65	NO							
L0159106		0	0.12747E-03	663349.0	4271095.7	65.2	5.00	4.00
4.65	NO							
L0159107		0	0.12747E-03	663348.2	4271104.3	66.1	5.00	4.00
4.65	NO							
L0159108		0	0.12747E-03	663347.3	4271112.9	67.0	5.00	4.00
4.65	NO							
L0159109		0	0.12747E-03	663346.5	4271121.4	67.6	5.00	4.00
4.65	NO							
L0159110		0	0.12747E-03	663345.7	4271130.0	68.1	5.00	4.00
4.65	NO							
L0159111		0	0.12747E-03	663344.8	4271138.5	68.7	5.00	4.00
4.65	NO							
L0159112		0	0.12747E-03	663344.0	4271147.1	69.0	5.00	4.00
4.65	NO							
L0159113		0	0.12747E-03	663343.1	4271155.7	69.0	5.00	4.00
4.65	NO							
L0159114		0	0.12747E-03	663342.3	4271164.2	69.0	5.00	4.00

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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0159115		0	0.12747E-03	663341.5	4271172.8	69.0	5.00	4.00
4.65	NO							
L0159116		0	0.12747E-03	663340.6	4271181.3	68.6	5.00	4.00
4.65	NO							
L0159117		0	0.12747E-03	663339.8	4271189.9	68.1	5.00	4.00

4.65	NO							
L0159118		0	0.12747E-03	663338.9	4271198.5	67.6	5.00	4.00
4.65	NO							
L0159119		0	0.12747E-03	663338.1	4271207.0	67.2	5.00	4.00
4.65	NO							
L0159120		0	0.12747E-03	663337.3	4271215.6	67.2	5.00	4.00
4.65	NO							
L0159121		0	0.12747E-03	663336.4	4271224.1	67.3	5.00	4.00
4.65	NO							
L0159122		0	0.12747E-03	663335.6	4271232.7	67.4	5.00	4.00
4.65	NO							
L0159123		0	0.12747E-03	663334.8	4271241.2	67.3	5.00	4.00
4.65	NO							
L0159124		0	0.12747E-03	663333.9	4271249.8	67.0	5.00	4.00
4.65	NO							
L0159125		0	0.12747E-03	663333.1	4271258.4	66.8	5.00	4.00
4.65	NO							
L0159126		0	0.12747E-03	663332.2	4271266.9	66.6	5.00	4.00
4.65	NO							
L0159127		0	0.12747E-03	663331.4	4271275.5	65.3	5.00	4.00
4.65	NO							
L0159128		0	0.12747E-03	663330.6	4271284.0	64.1	5.00	4.00
4.65	NO							
L0159129		0	0.12747E-03	663329.7	4271292.6	62.9	5.00	4.00
4.65	NO							
L0159130		0	0.12747E-03	663328.9	4271301.2	62.0	5.00	4.00
4.65	NO							
L0159131		0	0.12747E-03	663328.0	4271309.7	61.6	5.00	4.00
4.65	NO							
L0159132		0	0.12747E-03	663327.2	4271318.3	61.3	5.00	4.00
4.65	NO							
L0159133		0	0.12747E-03	663326.4	4271326.8	60.9	5.00	4.00
4.65	NO							
L0159134		0	0.12747E-03	663325.5	4271335.4	60.9	5.00	4.00
4.65	NO							
L0159135		0	0.12747E-03	663324.7	4271344.0	61.1	5.00	4.00
4.65	NO							
L0159136		0	0.12747E-03	663323.9	4271352.5	61.2	5.00	4.00
4.65	NO							
L0159137		0	0.12747E-03	663323.0	4271361.1	61.3	5.00	4.00
4.65	NO							
L0159138		0	0.12747E-03	663322.2	4271369.6	61.3	5.00	4.00
4.65	NO							
L0159139		0	0.12747E-03	663321.3	4271378.2	61.3	5.00	4.00
4.65	NO							
L0159140		0	0.12747E-03	663320.5	4271386.8	61.3	5.00	4.00
4.65	NO							
L0159141		0	0.12747E-03	663319.7	4271395.3	61.6	5.00	4.00
4.65	NO							
L0159142		0	0.12747E-03	663318.8	4271403.9	62.0	5.00	4.00

4.65	NO							
L0159143		0	0.12747E-03	663318.0	4271412.4	62.4	5.00	4.00
4.65	NO							
L0159144		0	0.12747E-03	663317.2	4271421.0	62.8	5.00	4.00
4.65	NO							
L0159145		0	0.12747E-03	663316.3	4271429.5	64.0	5.00	4.00
4.65	NO							
L0159146		0	0.12747E-03	663315.5	4271438.1	65.1	5.00	4.00
4.65	NO							
L0159147		0	0.12747E-03	663314.6	4271446.7	66.3	5.00	4.00
4.65	NO							
L0159148		0	0.12747E-03	663313.8	4271455.2	67.1	5.00	4.00
4.65	NO							
L0159149		0	0.12747E-03	663313.0	4271463.8	67.5	5.00	4.00
4.65	NO							
L0159150		0	0.12747E-03	663312.1	4271472.3	67.9	5.00	4.00
4.65	NO							
L0159151		0	0.12747E-03	663311.3	4271480.9	68.3	5.00	4.00
4.65	NO							
L0159152		0	0.12747E-03	663310.4	4271489.5	67.8	5.00	4.00
4.65	NO							
L0159153		0	0.12747E-03	663309.6	4271498.0	67.2	5.00	4.00
4.65	NO							
L0159154		0	0.12747E-03	663308.8	4271506.6	66.5	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					

L0159155		0	0.12747E-03	663307.9	4271515.1	65.9	5.00	4.00
4.65	NO							
L0159156		0	0.12747E-03	663307.1	4271523.7	65.2	5.00	4.00
4.65	NO							
L0159157		0	0.12747E-03	663306.3	4271532.3	64.6	5.00	4.00

4.65	NO							
L0159158		0	0.12747E-03	663305.4	4271540.8	64.0	5.00	4.00
4.65	NO							
L0159159		0	0.12747E-03	663304.6	4271549.4	63.8	5.00	4.00
4.65	NO							
L0159160		0	0.12747E-03	663303.7	4271557.9	63.8	5.00	4.00
4.65	NO							
L0159161		0	0.12747E-03	663302.9	4271566.5	63.8	5.00	4.00
4.65	NO							
L0159162		0	0.12747E-03	663302.1	4271575.1	63.9	5.00	4.00
4.65	NO							
L0159163		0	0.12747E-03	663301.2	4271583.6	65.3	5.00	4.00
4.65	NO							
L0159164		0	0.12747E-03	663300.4	4271592.2	66.7	5.00	4.00
4.65	NO							
L0159165		0	0.12747E-03	663299.5	4271600.7	68.1	5.00	4.00
4.65	NO							
L0159166		0	0.12747E-03	663298.7	4271609.3	69.5	5.00	4.00
4.65	NO							
L0159167		0	0.12747E-03	663297.9	4271617.8	71.0	5.00	4.00
4.65	NO							
L0159168		0	0.12747E-03	663297.0	4271626.4	72.5	5.00	4.00
4.65	NO							
L0159169		0	0.12747E-03	663296.2	4271635.0	74.1	5.00	4.00
4.65	NO							
L0159170		0	0.12747E-03	663295.4	4271643.5	74.7	5.00	4.00
4.65	NO							
L0159171		0	0.12747E-03	663294.5	4271652.1	75.1	5.00	4.00
4.65	NO							
L0159172		0	0.12747E-03	663293.7	4271660.6	75.5	5.00	4.00
4.65	NO							
L0159173		0	0.12747E-03	663292.8	4271669.2	75.9	5.00	4.00
4.65	NO							
L0159174		0	0.12747E-03	663292.0	4271677.8	76.4	5.00	4.00
4.65	NO							
L0159175		0	0.12747E-03	663291.2	4271686.3	76.8	5.00	4.00
4.65	NO							
L0159176		0	0.12747E-03	663290.3	4271694.9	77.3	5.00	4.00
4.65	NO							
L0159177		0	0.12747E-03	663289.5	4271703.4	77.0	5.00	4.00
4.65	NO							
L0159178		0	0.12747E-03	663288.7	4271712.0	76.3	5.00	4.00
4.65	NO							
L0159179		0	0.12747E-03	663280.2	4271711.9	76.7	5.00	4.00
4.65	NO							
L0159180		0	0.12747E-03	663271.6	4271711.7	77.0	5.00	4.00
4.65	NO							
L0159181		0	0.12747E-03	663263.0	4271711.4	77.3	5.00	4.00
4.65	NO							
L0159182		0	0.12747E-03	663254.4	4271711.1	77.4	5.00	4.00

4.65	NO							
L0159183		0	0.12747E-03	663245.8	4271710.9	77.5	5.00	4.00
4.65	NO							
L0159184		0	0.12747E-03	663237.2	4271710.6	77.5	5.00	4.00
4.65	NO							
L0159185		0	0.12747E-03	663228.6	4271710.4	77.2	5.00	4.00
4.65	NO							
L0159186		0	0.12747E-03	663220.1	4271710.1	76.9	5.00	4.00
4.65	NO							
L0159187		0	0.12747E-03	663211.5	4271709.8	76.4	5.00	4.00
4.65	NO							
L0159188		0	0.12747E-03	663202.9	4271709.6	75.7	5.00	4.00
4.65	NO							
L0159189		0	0.12747E-03	663194.3	4271709.3	75.0	5.00	4.00
4.65	NO							
L0159190		0	0.12747E-03	663185.7	4271709.1	74.6	5.00	4.00
4.65	NO							
L0159191		0	0.12747E-03	663177.1	4271708.8	74.3	5.00	4.00
4.65	NO							
L0159192		0	0.12747E-03	663168.5	4271708.5	74.0	5.00	4.00
4.65	NO							
L0159193		0	0.12747E-03	663159.9	4271708.3	73.7	5.00	4.00
4.65	NO							
L0159194		0	0.12747E-03	663151.3	4271708.0	73.5	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					

L0159195		0	0.12747E-03	663142.7	4271707.8	73.2	5.00	4.00
4.65	NO							
L0159196		0	0.12747E-03	663134.1	4271707.5	73.1	5.00	4.00
4.65	NO							
L0159197		0	0.12747E-03	663125.5	4271707.2	72.9	5.00	4.00



4.65	NO							
L0159198		0	0.12747E-03	663116.9	4271707.0	72.9	5.00	4.00
4.65	NO							
L0159199		0	0.12747E-03	663108.3	4271706.7	73.2	5.00	4.00
4.65	NO							
L0159200		0	0.12747E-03	663099.7	4271706.5	73.5	5.00	4.00
4.65	NO							
L0159201		0	0.12747E-03	663091.1	4271706.2	73.7	5.00	4.00
4.65	NO							
L0159202		0	0.12747E-03	663082.5	4271705.9	73.7	5.00	4.00
4.65	NO							
L0159203		0	0.12747E-03	663073.9	4271705.7	73.6	5.00	4.00
4.65	NO							
L0159204		0	0.12747E-03	663069.2	4271711.1	74.3	5.00	4.00
4.65	NO							
L0159205		0	0.12747E-03	663066.3	4271719.2	75.0	5.00	4.00
4.65	NO							
L0159206		0	0.12747E-03	663063.4	4271727.3	75.3	5.00	4.00
4.65	NO							
L0159207		0	0.12747E-03	663060.5	4271735.4	75.0	5.00	4.00
4.65	NO							
L0159208		0	0.12747E-03	663057.6	4271743.5	74.8	5.00	4.00
4.65	NO							
L0159209		0	0.12747E-03	663054.7	4271751.5	74.5	5.00	4.00
4.65	NO							
L0159210		0	0.12747E-03	663051.8	4271759.6	73.9	5.00	4.00
4.65	NO							
L0159211		0	0.12747E-03	663048.9	4271767.7	73.1	5.00	4.00
4.65	NO							
L0159212		0	0.12747E-03	663046.0	4271775.8	72.3	5.00	4.00
4.65	NO							
L0159213		0	0.12747E-03	663043.1	4271783.9	71.7	5.00	4.00
4.65	NO							
L0159214		0	0.12747E-03	663040.2	4271792.0	71.3	5.00	4.00
4.65	NO							
L0159215		0	0.12747E-03	663037.3	4271800.1	71.0	5.00	4.00
4.65	NO							
L0159216		0	0.12747E-03	663034.3	4271808.2	70.6	5.00	4.00
4.65	NO							
L0159217		0	0.12747E-03	663031.4	4271816.3	70.2	5.00	4.00
4.65	NO							
L0159218		0	0.12747E-03	663028.5	4271824.4	70.0	5.00	4.00
4.65	NO							
L0159219		0	0.12747E-03	663025.6	4271832.5	69.6	5.00	4.00
4.65	NO							
L0159220		0	0.12747E-03	663022.7	4271840.6	69.3	5.00	4.00
4.65	NO							
L0159221		0	0.12747E-03	663019.8	4271848.7	69.0	5.00	4.00
4.65	NO							
L0159222		0	0.12747E-03	663016.9	4271856.8	68.8	5.00	4.00

4.65	NO							
L0159223		0	0.12747E-03	663014.0	4271864.9	68.5	5.00	4.00
4.65	NO							
L0159224		0	0.12747E-03	663011.1	4271873.0	68.3	5.00	4.00
4.65	NO							
L0159225		0	0.12747E-03	663008.2	4271881.1	68.1	5.00	4.00
4.65	NO							
L0159226		0	0.12747E-03	663005.3	4271889.2	68.1	5.00	4.00
4.65	NO							
L0159227		0	0.12747E-03	663002.4	4271897.3	68.1	5.00	4.00
4.65	NO							
L0159228		0	0.12747E-03	662999.5	4271905.4	68.0	5.00	4.00
4.65	NO							
L0159229		0	0.12747E-03	662996.6	4271913.5	67.8	5.00	4.00
4.65	NO							
L0159230		0	0.12747E-03	662993.7	4271921.6	67.5	5.00	4.00
4.65	NO							
L0159231		0	0.12747E-03	662990.8	4271929.6	67.2	5.00	4.00
4.65	NO							
L0159232		0	0.12747E-03	662987.9	4271937.7	67.0	5.00	4.00
4.65	NO							
L0159233		0	0.12747E-03	662985.0	4271945.8	66.4	5.00	4.00
4.65	NO							
L0159234		0	0.12747E-03	662982.1	4271953.9	65.7	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0159235		0	0.12747E-03	662979.2	4271962.0	65.1	5.00	4.00
4.65	NO							
L0159236		0	0.12747E-03	662976.3	4271970.1	64.4	5.00	4.00
4.65	NO							
L0159237		0	0.12747E-03	662973.4	4271978.2	63.8	5.00	4.00

4.65	NO							
L0159238		0	0.12747E-03	662970.5	4271986.3	63.3	5.00	4.00
4.65	NO							
L0159239		0	0.12747E-03	662967.6	4271994.4	62.7	5.00	4.00
4.65	NO							
L0159240		0	0.12747E-03	662964.7	4272002.5	62.3	5.00	4.00
4.65	NO							
L0159241		0	0.12747E-03	662961.8	4272010.6	62.0	5.00	4.00
4.65	NO							
L0159242		0	0.12747E-03	662958.9	4272018.7	61.8	5.00	4.00
4.65	NO							
L0159243		0	0.12747E-03	662956.0	4272026.8	61.6	5.00	4.00
4.65	NO							
L0159244		0	0.12747E-03	662953.1	4272034.9	61.5	5.00	4.00
4.65	NO							
L0159245		0	0.12747E-03	662950.2	4272043.0	61.4	5.00	4.00
4.65	NO							
L0159246		0	0.12747E-03	662947.3	4272051.1	61.4	5.00	4.00
4.65	NO							
L0159247		0	0.12747E-03	662941.4	4272054.9	61.4	5.00	4.00
4.65	NO							
L0159248		0	0.12747E-03	662932.8	4272054.9	61.3	5.00	4.00
4.65	NO							
L0159249		0	0.12747E-03	662924.2	4272054.9	61.3	5.00	4.00
4.65	NO							
L0159250		0	0.12747E-03	662915.6	4272054.9	61.3	5.00	4.00
4.65	NO							
L0159251		0	0.12747E-03	662907.0	4272054.9	61.2	5.00	4.00
4.65	NO							
L0159252		0	0.12747E-03	662898.4	4272054.9	61.2	5.00	4.00
4.65	NO							
L0159253		0	0.12747E-03	662889.8	4272054.9	61.2	5.00	4.00
4.65	NO							
L0159254		0	0.12747E-03	662881.2	4272054.9	61.3	5.00	4.00
4.65	NO							
L0159255		0	0.12747E-03	662872.6	4272054.9	61.3	5.00	4.00
4.65	NO							
L0159256		0	0.12747E-03	662864.0	4272054.9	61.3	5.00	4.00
4.65	NO							
L0159257		0	0.12747E-03	662855.4	4272054.9	61.3	5.00	4.00
4.65	NO							
L0159258		0	0.12747E-03	662846.8	4272054.9	61.3	5.00	4.00
4.65	NO							
L0159259		0	0.12747E-03	662838.2	4272054.9	61.4	5.00	4.00
4.65	NO							
L0159260		0	0.12747E-03	662829.6	4272054.9	61.4	5.00	4.00
4.65	NO							
L0159261		0	0.12747E-03	662821.0	4272054.9	61.4	5.00	4.00
4.65	NO							
L0159262		0	0.12747E-03	662812.4	4272054.9	61.4	5.00	4.00

4.65	NO							
L0159263		0	0.12747E-03	662803.8	4272054.9	61.4	5.00	4.00
4.65	NO							
L0159264		0	0.12747E-03	662795.2	4272054.9	61.4	5.00	4.00
4.65	NO							
L0159265		0	0.12747E-03	662786.6	4272054.9	61.4	5.00	4.00
4.65	NO							
L0159266		0	0.12747E-03	662778.0	4272054.9	61.4	5.00	4.00
4.65	NO							
L0159267		0	0.12747E-03	662769.4	4272054.9	61.3	5.00	4.00
4.65	NO							
L0159268		0	0.12747E-03	662760.8	4272054.9	61.3	5.00	4.00
4.65	NO							
L0159269		0	0.12747E-03	662752.2	4272054.9	61.3	5.00	4.00
4.65	NO							
L0159270		0	0.12747E-03	662743.6	4272054.9	61.3	5.00	4.00
4.65	NO							
L0159271		0	0.12747E-03	662735.0	4272054.9	61.4	5.00	4.00
4.65	NO							
L0159272		0	0.12747E-03	662726.4	4272054.9	61.4	5.00	4.00
4.65	NO							
L0159273		0	0.12747E-03	662717.8	4272054.9	61.3	5.00	4.00
4.65	NO							
L0159274		0	0.12747E-03	662709.2	4272054.9	61.3	5.00	4.00

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 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0159275		0	0.12747E-03	662700.6	4272054.9	61.3	5.00	4.00
4.65	NO							
L0159276		0	0.12747E-03	662692.0	4272054.9	61.3	5.00	4.00
4.65	NO							
L0159277		0	0.12747E-03	662683.4	4272054.9	61.2	5.00	4.00

4.65	NO							
L0159278		0	0.12747E-03	662674.8	4272054.9	61.2	5.00	4.00
4.65	NO							
L0159279		0	0.12747E-03	662666.2	4272054.9	61.1	5.00	4.00
4.65	NO							
L0159280		0	0.12747E-03	662657.6	4272054.9	60.9	5.00	4.00
4.65	NO							
L0159281		0	0.12747E-03	662649.0	4272054.9	60.8	5.00	4.00
4.65	NO							
L0159282		0	0.12747E-03	662640.4	4272054.9	60.7	5.00	4.00
4.65	NO							
L0159283		0	0.12747E-03	662631.8	4272054.9	60.6	5.00	4.00
4.65	NO							
L0159284		0	0.12747E-03	662628.2	4272061.1	60.7	5.00	4.00
4.65	NO							
L0159285		0	0.12747E-03	662626.3	4272069.5	60.8	5.00	4.00
4.65	NO							
L0159286		0	0.12747E-03	662624.4	4272077.9	61.0	5.00	4.00
4.65	NO							
L0159287		0	0.12747E-03	662622.5	4272086.3	61.1	5.00	4.00
4.65	NO							
L0159288		0	0.12747E-03	662620.6	4272094.7	61.2	5.00	4.00
4.65	NO							
L0159289		0	0.12747E-03	662618.8	4272103.1	61.2	5.00	4.00
4.65	NO							
L0159290		0	0.12747E-03	662616.9	4272111.5	61.3	5.00	4.00
4.65	NO							
L0159291		0	0.12747E-03	662615.0	4272119.9	61.4	5.00	4.00
4.65	NO							
L0159292		0	0.12747E-03	662613.1	4272128.3	61.4	5.00	4.00
4.65	NO							
L0159293		0	0.12747E-03	662611.2	4272136.7	61.4	5.00	4.00
4.65	NO							
L0159294		0	0.12747E-03	662609.4	4272145.1	61.4	5.00	4.00
4.65	NO							
L0159295		0	0.12747E-03	662607.5	4272153.4	61.5	5.00	4.00
4.65	NO							
L0159296		0	0.12747E-03	662605.6	4272161.8	61.5	5.00	4.00
4.65	NO							
L0159297		0	0.12747E-03	662603.7	4272170.2	61.5	5.00	4.00
4.65	NO							
L0159298		0	0.12747E-03	662601.8	4272178.6	61.6	5.00	4.00
4.65	NO							
L0159299		0	0.12747E-03	662599.9	4272187.0	61.6	5.00	4.00
4.65	NO							
L0159300		0	0.12747E-03	662598.1	4272195.4	61.6	5.00	4.00
4.65	NO							
L0159301		0	0.12747E-03	662596.2	4272203.8	61.6	5.00	4.00
4.65	NO							
L0159302		0	0.12747E-03	662594.3	4272212.2	61.6	5.00	4.00

4.65	NO							
L0159303		0	0.12747E-03	662592.4	4272220.6	61.6	5.00	4.00
4.65	NO							
L0159304		0	0.12747E-03	662590.5	4272229.0	61.6	5.00	4.00
4.65	NO							
L0159305		0	0.12747E-03	662588.7	4272237.4	61.7	5.00	4.00
4.65	NO							
L0159306		0	0.12747E-03	662586.8	4272245.8	61.7	5.00	4.00
4.65	NO							
L0159307		0	0.12747E-03	662584.9	4272254.1	61.8	5.00	4.00
4.65	NO							
L0159308		0	0.12747E-03	662583.0	4272262.5	61.8	5.00	4.00
4.65	NO							
L0159309		0	0.12747E-03	662581.1	4272270.9	61.9	5.00	4.00
4.65	NO							
L0159310		0	0.12747E-03	662579.3	4272279.3	62.0	5.00	4.00
4.65	NO							
L0159311		0	0.12747E-03	662577.4	4272287.7	62.0	5.00	4.00
4.65	NO							
L0159312		0	0.12747E-03	662575.5	4272296.1	62.0	5.00	4.00
4.65	NO							
L0159313		0	0.12747E-03	662573.6	4272304.5	62.1	5.00	4.00
4.65	NO							
L0159314		0	0.12747E-03	662571.7	4272312.9	62.3	5.00	4.00

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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0159315		0	0.12747E-03	662569.9	4272321.3	62.4	5.00	4.00
4.65	NO							
L0159316		0	0.12747E-03	662568.0	4272329.7	62.6	5.00	4.00
4.65	NO							
L0159317		0	0.12747E-03	662566.1	4272338.1	63.1	5.00	4.00

4.65	NO							
L0159318		0	0.12747E-03	662564.2	4272346.5	63.7	5.00	4.00
4.65	NO							
L0159319		0	0.12747E-03	662562.3	4272354.8	64.3	5.00	4.00
4.65	NO							
L0159320		0	0.12747E-03	662560.4	4272363.2	65.0	5.00	4.00
4.65	NO							
L0159321		0	0.12747E-03	662558.6	4272371.6	66.1	5.00	4.00
4.65	NO							
L0159322		0	0.12747E-03	662556.7	4272380.0	67.1	5.00	4.00
4.65	NO							
L0159323		0	0.12747E-03	662554.8	4272388.4	68.1	5.00	4.00
4.65	NO							
L0159324		0	0.12747E-03	662552.9	4272396.8	69.4	5.00	4.00
4.65	NO							
L0159325		0	0.12747E-03	662551.0	4272405.2	70.8	5.00	4.00
4.65	NO							
L0159326		0	0.12747E-03	662549.2	4272413.6	72.2	5.00	4.00
4.65	NO							
L0159327		0	0.12747E-03	662547.3	4272422.0	73.6	5.00	4.00
4.65	NO							
L0159328		0	0.12747E-03	662545.4	4272430.4	74.2	5.00	4.00
4.65	NO							
L0159329		0	0.12747E-03	662542.2	4272437.1	74.1	5.00	4.00
4.65	NO							
L0159330		0	0.12747E-03	662533.7	4272436.6	71.6	5.00	4.00
4.65	NO							
L0159331		0	0.12747E-03	662525.1	4272436.2	69.1	5.00	4.00
4.65	NO							
L0159332		0	0.12747E-03	662516.5	4272435.8	67.2	5.00	4.00
4.65	NO							
L0159333		0	0.12747E-03	662507.9	4272435.3	65.5	5.00	4.00
4.65	NO							
L0159334		0	0.12747E-03	662499.3	4272434.9	63.7	5.00	4.00
4.65	NO							
L0159335		0	0.12747E-03	662490.7	4272434.5	63.2	5.00	4.00
4.65	NO							
L0159336		0	0.12747E-03	662482.1	4272434.0	62.8	5.00	4.00
4.65	NO							
L0159337		0	0.12747E-03	662473.5	4272433.6	62.5	5.00	4.00
4.65	NO							
L0159338		0	0.12747E-03	662464.9	4272433.2	62.5	5.00	4.00
4.65	NO							
L0159339		0	0.12747E-03	662456.4	4272432.7	62.6	5.00	4.00
4.65	NO							
L0159340		0	0.12747E-03	662447.8	4272432.3	62.6	5.00	4.00
4.65	NO							
L0159341		0	0.12747E-03	662439.2	4272431.8	62.7	5.00	4.00
4.65	NO							
L0159342		0	0.12747E-03	662430.6	4272431.4	62.8	5.00	4.00

4.65	NO							
L0159343		0	0.12747E-03	662422.0	4272431.0	62.8	5.00	4.00
4.65	NO							
L0159344		0	0.12747E-03	662413.4	4272430.5	62.7	5.00	4.00
4.65	NO							
L0159345		0	0.12747E-03	662404.8	4272430.1	62.6	5.00	4.00
4.65	NO							
L0159346		0	0.12747E-03	662396.2	4272429.7	62.5	5.00	4.00
4.65	NO							
L0159347		0	0.12747E-03	662387.6	4272429.2	62.5	5.00	4.00
4.65	NO							
L0159348		0	0.12747E-03	662379.1	4272428.8	62.5	5.00	4.00
4.65	NO							
L0159349		0	0.12747E-03	662370.5	4272428.3	62.5	5.00	4.00
4.65	NO							
L0159350		0	0.12747E-03	662361.9	4272427.9	62.5	5.00	4.00
4.65	NO							
L0159351		0	0.12747E-03	662353.3	4272427.5	62.5	5.00	4.00
4.65	NO							
L0159352		0	0.12747E-03	662344.7	4272427.0	64.1	5.00	4.00
4.65	NO							
L0159353		0	0.12747E-03	662336.1	4272426.6	65.8	5.00	4.00
4.65	NO							
L0159354		0	0.12747E-03	662327.5	4272426.2	67.4	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0159355		0	0.12747E-03	662318.9	4272425.7	68.8	5.00	4.00
4.65	NO							
L0159356		0	0.12747E-03	662310.3	4272425.3	70.1	5.00	4.00
4.65	NO							
L0159357		0	0.12747E-03	662301.8	4272424.9	71.1	5.00	4.00



4.65	NO							
L0159358		0	0.12747E-03	662293.2	4272424.4	71.3	5.00	4.00
4.65	NO							
L0159359		0	0.12747E-03	662284.6	4272424.0	71.5	5.00	4.00
4.65	NO							
L0159360		0	0.12747E-03	662276.0	4272423.5	71.5	5.00	4.00
4.65	NO							
L0159361		0	0.12747E-03	662267.4	4272423.1	71.4	5.00	4.00
4.65	NO							
L0159362		0	0.12747E-03	662258.8	4272422.7	71.3	5.00	4.00
4.65	NO							
L0159363		0	0.12747E-03	662250.2	4272422.2	71.1	5.00	4.00
4.65	NO							
L0159364		0	0.12747E-03	662241.6	4272421.8	70.9	5.00	4.00
4.65	NO							
L0159365		0	0.12747E-03	662233.0	4272421.4	70.6	5.00	4.00
4.65	NO							
L0159366		0	0.12747E-03	662224.5	4272420.9	70.3	5.00	4.00
4.65	NO							
L0159367		0	0.12747E-03	662215.9	4272420.5	70.0	5.00	4.00
4.65	NO							
L0159368		0	0.12747E-03	662207.3	4272420.0	69.6	5.00	4.00
4.65	NO							
L0159369		0	0.12747E-03	662198.7	4272419.6	69.1	5.00	4.00
4.65	NO							
L0159370		0	0.12747E-03	662190.1	4272419.2	68.6	5.00	4.00
4.65	NO							
L0159371		0	0.12747E-03	662181.5	4272418.7	68.0	5.00	4.00
4.65	NO							
L0159372		0	0.12747E-03	662172.9	4272418.3	67.4	5.00	4.00
4.65	NO							
L0159373		0	0.12747E-03	662164.3	4272417.9	66.8	5.00	4.00
4.65	NO							
L0159374		0	0.12747E-03	662155.7	4272417.4	66.3	5.00	4.00
4.65	NO							
L0159375		0	0.12747E-03	662155.5	4272409.5	66.9	5.00	4.00
4.65	NO							
L0159376		0	0.12747E-03	662156.0	4272400.9	67.6	5.00	4.00
4.65	NO							
L0159377		0	0.12747E-03	662156.5	4272392.3	68.4	5.00	4.00
4.65	NO							
L0159378		0	0.12747E-03	662157.0	4272383.8	69.2	5.00	4.00
4.65	NO							
L0159379		0	0.12747E-03	662157.5	4272375.2	70.2	5.00	4.00
4.65	NO							
L0159380		0	0.12747E-03	662158.0	4272366.6	71.2	5.00	4.00
4.65	NO							
L0159381		0	0.12747E-03	662158.5	4272358.0	72.2	5.00	4.00
4.65	NO							
L0159382		0	0.12747E-03	662159.0	4272349.4	73.4	5.00	4.00

4.65	NO							
L0159383		0	0.12747E-03	662159.5	4272340.8	74.9	5.00	4.00
4.65	NO							
L0159384		0	0.12747E-03	662160.0	4272332.3	76.5	5.00	4.00
4.65	NO							
L0159385		0	0.12747E-03	662160.5	4272323.7	78.0	5.00	4.00
4.65	NO							
L0159386		0	0.12747E-03	662161.0	4272315.1	79.9	5.00	4.00
4.65	NO							
L0159387		0	0.12747E-03	662161.6	4272306.5	81.9	5.00	4.00
4.65	NO							
L0159388		0	0.12747E-03	662162.1	4272297.9	83.9	5.00	4.00
4.65	NO							
L0159389		0	0.12747E-03	662162.6	4272289.3	85.8	5.00	4.00
4.65	NO							
L0159390		0	0.12747E-03	662163.1	4272280.7	87.3	5.00	4.00
4.65	NO							
L0159391		0	0.12747E-03	662163.6	4272272.2	88.8	5.00	4.00
4.65	NO							
L0159392		0	0.12747E-03	662164.1	4272263.6	90.3	5.00	4.00
4.65	NO							
L0159393		0	0.12747E-03	662164.6	4272255.0	91.0	5.00	4.00
4.65	NO							
L0159394		0	0.12747E-03	662165.1	4272246.4	91.3	5.00	4.00

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 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0159395		0	0.12747E-03	662165.6	4272237.8	91.5	5.00	4.00
4.65	NO							
L0159396		0	0.12747E-03	662166.1	4272229.2	91.8	5.00	4.00
4.65	NO							
L0159397		0	0.12747E-03	662166.6	4272220.6	91.8	5.00	4.00

4.65	NO							
L0159398		0	0.12747E-03	662167.1	4272212.1	91.8	5.00	4.00
4.65	NO							
L0159399		0	0.12747E-03	662167.6	4272203.5	91.9	5.00	4.00
4.65	NO							
L0159400		0	0.12747E-03	662168.1	4272194.9	91.9	5.00	4.00
4.65	NO							
L0159401		0	0.12747E-03	662168.6	4272186.3	92.0	5.00	4.00
4.65	NO							
L0159402		0	0.12747E-03	662169.1	4272177.7	92.0	5.00	4.00
4.65	NO							
L0159403		0	0.12747E-03	662169.6	4272169.1	92.0	5.00	4.00
4.65	NO							
L0159404		0	0.12747E-03	662170.1	4272160.6	91.6	5.00	4.00
4.65	NO							
L0159405		0	0.12747E-03	662170.6	4272152.0	91.2	5.00	4.00
4.65	NO							
L0159406		0	0.12747E-03	662171.1	4272143.4	90.7	5.00	4.00
4.65	NO							
L0159407		0	0.12747E-03	662171.7	4272134.8	90.1	5.00	4.00
4.65	NO							
L0159408		0	0.12747E-03	662172.2	4272126.2	89.2	5.00	4.00
4.65	NO							
L0159409		0	0.12747E-03	662172.7	4272117.6	88.3	5.00	4.00
4.65	NO							
L0159410		0	0.12747E-03	662173.2	4272109.0	87.4	5.00	4.00
4.65	NO							
L0159411		0	0.12747E-03	662173.7	4272100.5	86.3	5.00	4.00
4.65	NO							
L0159412		0	0.12747E-03	662174.2	4272091.9	85.3	5.00	4.00
4.65	NO							
L0159413		0	0.12747E-03	662174.7	4272083.3	84.2	5.00	4.00
4.65	NO							
L0159414		0	0.12747E-03	662175.2	4272074.7	83.2	5.00	4.00
4.65	NO							
L0159415		0	0.12747E-03	662175.7	4272066.1	82.6	5.00	4.00
4.65	NO							
L0159416		0	0.12747E-03	662176.2	4272057.5	82.0	5.00	4.00
4.65	NO							
L0159417		0	0.12747E-03	662176.7	4272048.9	81.4	5.00	4.00
4.65	NO							
L0159418		0	0.12747E-03	662177.2	4272040.4	81.1	5.00	4.00
4.65	NO							
L0159419		0	0.12747E-03	662177.7	4272031.8	81.0	5.00	4.00
4.65	NO							
L0159420		0	0.12747E-03	662178.2	4272023.2	81.0	5.00	4.00
4.65	NO							
L0159421		0	0.12747E-03	662178.7	4272014.6	80.9	5.00	4.00
4.65	NO							
L0159422		0	0.12747E-03	662179.2	4272006.0	81.4	5.00	4.00

4.65	NO							
L0159423		0	0.12747E-03	662179.7	4271997.4	81.8	5.00	4.00
4.65	NO							
L0159424		0	0.12747E-03	662180.2	4271988.8	82.3	5.00	4.00
4.65	NO							
L0159425		0	0.12747E-03	662180.7	4271980.3	82.5	5.00	4.00
4.65	NO							
L0159426		0	0.12747E-03	662181.2	4271971.7	82.3	5.00	4.00
4.65	NO							
L0159427		0	0.12747E-03	662187.5	4271969.2	82.9	5.00	4.00
4.65	NO							
L0159428		0	0.12747E-03	662196.1	4271969.2	83.5	5.00	4.00
4.65	NO							
L0159429		0	0.12747E-03	662204.7	4271969.2	83.4	5.00	4.00
4.65	NO							
L0159430		0	0.12747E-03	662213.3	4271969.2	83.2	5.00	4.00
4.65	NO							
L0159431		0	0.12747E-03	662221.9	4271969.2	82.6	5.00	4.00
4.65	NO							
L0159432		0	0.12747E-03	662230.5	4271969.2	81.4	5.00	4.00
4.65	NO							
L0159433		0	0.12747E-03	662239.1	4271969.2	80.3	5.00	4.00
4.65	NO							
L0159434		0	0.12747E-03	662247.7	4271969.2	78.5	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0159435		0	0.12747E-03	662256.3	4271969.2	76.6	5.00	4.00
4.65	NO							
L0159436		0	0.12747E-03	662264.9	4271969.2	74.6	5.00	4.00
4.65	NO							
L0159437		0	0.12747E-03	662273.5	4271969.2	73.3	5.00	4.00

4.65	NO							
L0159438		0	0.12747E-03	662282.1	4271969.2	72.1	5.00	4.00
4.65	NO							
L0159439		0	0.12747E-03	662290.7	4271969.2	70.9	5.00	4.00
4.65	NO							
L0159440		0	0.12747E-03	662299.3	4271969.2	70.3	5.00	4.00
4.65	NO							
L0159441		0	0.12747E-03	662307.9	4271969.2	69.7	5.00	4.00
4.65	NO							
L0159442		0	0.12747E-03	662316.5	4271969.2	69.1	5.00	4.00
4.65	NO							
L0159443		0	0.12747E-03	662325.1	4271969.2	68.5	5.00	4.00
4.65	NO							
L0159444		0	0.12747E-03	662333.7	4271969.2	68.0	5.00	4.00
4.65	NO							
L0159445		0	0.12747E-03	662342.3	4271969.2	67.4	5.00	4.00
4.65	NO							
L0159446		0	0.12747E-03	662350.9	4271969.2	67.0	5.00	4.00
4.65	NO							
L0159447		0	0.12747E-03	662359.5	4271969.2	66.5	5.00	4.00
4.65	NO							
L0159448		0	0.12747E-03	662368.1	4271969.2	66.2	5.00	4.00
4.65	NO							
L0159449		0	0.12747E-03	662376.7	4271969.2	65.8	5.00	4.00
4.65	NO							
L0159450		0	0.12747E-03	662385.3	4271969.2	65.5	5.00	4.00
4.65	NO							
L0159451		0	0.12747E-03	662393.9	4271969.2	65.2	5.00	4.00
4.65	NO							
L0159452		0	0.12747E-03	662402.5	4271969.2	65.0	5.00	4.00
4.65	NO							
L0159453		0	0.12747E-03	662411.1	4271969.2	64.7	5.00	4.00
4.65	NO							
L0159454		0	0.12747E-03	662419.7	4271969.2	64.6	5.00	4.00
4.65	NO							
L0159455		0	0.12747E-03	662428.3	4271969.2	64.4	5.00	4.00
4.65	NO							
L0159456		0	0.12747E-03	662436.9	4271969.2	64.2	5.00	4.00
4.65	NO							
L0159457		0	0.12747E-03	662445.5	4271969.2	64.0	5.00	4.00
4.65	NO							
L0159458		0	0.12747E-03	662454.1	4271969.2	63.9	5.00	4.00
4.65	NO							
L0159459		0	0.12747E-03	662462.7	4271969.2	63.7	5.00	4.00
4.65	NO							
L0159460		0	0.12747E-03	662471.3	4271969.2	63.5	5.00	4.00
4.65	NO							
L0159461		0	0.12747E-03	662479.9	4271969.2	63.3	5.00	4.00
4.65	NO							
L0159462		0	0.12747E-03	662488.5	4271969.2	63.3	5.00	4.00

4.65	NO							
L0159463		0	0.12747E-03	662497.1	4271969.2	63.5	5.00	4.00
4.65	NO							
L0159464		0	0.12747E-03	662505.7	4271969.2	63.7	5.00	4.00
4.65	NO							
L0159465		0	0.12747E-03	662514.3	4271969.2	63.9	5.00	4.00
4.65	NO							
L0159466		0	0.12747E-03	662522.9	4271969.2	64.2	5.00	4.00
4.65	NO							
L0159467		0	0.12747E-03	662531.5	4271969.2	64.4	5.00	4.00
4.65	NO							
L0159468		0	0.12747E-03	662540.1	4271969.2	63.9	5.00	4.00
4.65	NO							
L0159469		0	0.12747E-03	662548.7	4271969.2	63.3	5.00	4.00
4.65	NO							
L0159470		0	0.12747E-03	662557.3	4271969.2	62.7	5.00	4.00
4.65	NO							
L0159471		0	0.12747E-03	662565.9	4271969.2	62.1	5.00	4.00
4.65	NO							
L0159472		0	0.12747E-03	662574.5	4271969.2	61.5	5.00	4.00
4.65	NO							
L0159473		0	0.12747E-03	662583.1	4271969.2	61.1	5.00	4.00
4.65	NO							
L0159474		0	0.12747E-03	662591.7	4271969.2	61.1	5.00	4.00

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 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0159475		0	0.12747E-03	662600.3	4271969.2	61.0	5.00	4.00
4.65	NO							
L0159476		0	0.12747E-03	662608.9	4271969.2	61.0	5.00	4.00
4.65	NO							
L0159477		0	0.12747E-03	662616.4	4271968.1	61.0	5.00	4.00

4.65	NO							
L0159478		0	0.12747E-03	662616.5	4271959.5	61.0	5.00	4.00
4.65	NO							
L0159479		0	0.12747E-03	662616.6	4271950.9	60.9	5.00	4.00
4.65	NO							
L0159480		0	0.12747E-03	662616.7	4271942.3	60.9	5.00	4.00
4.65	NO							
L0159481		0	0.12747E-03	662616.8	4271933.7	60.8	5.00	4.00
4.65	NO							
L0159482		0	0.12747E-03	662617.0	4271925.1	60.8	5.00	4.00
4.65	NO							
L0159483		0	0.12747E-03	662617.1	4271916.5	60.7	5.00	4.00
4.65	NO							
L0159484		0	0.12747E-03	662617.2	4271907.9	60.6	5.00	4.00
4.65	NO							
L0159485		0	0.12747E-03	662617.3	4271899.3	60.5	5.00	4.00
4.65	NO							
L0159486		0	0.12747E-03	662617.4	4271890.7	60.6	5.00	4.00
4.65	NO							
L0159487		0	0.12747E-03	662617.5	4271882.1	60.6	5.00	4.00
4.65	NO							
L0159488		0	0.12747E-03	662617.6	4271873.5	60.6	5.00	4.00
4.65	NO							
L0159489		0	0.12747E-03	662617.7	4271864.9	60.6	5.00	4.00
4.65	NO							
L0159490		0	0.12747E-03	662617.8	4271856.3	60.5	5.00	4.00
4.65	NO							
L0159491		0	0.12747E-03	662618.0	4271847.7	60.5	5.00	4.00
4.65	NO							
L0159492		0	0.12747E-03	662618.1	4271839.1	60.4	5.00	4.00
4.65	NO							
L0159493		0	0.12747E-03	662618.2	4271830.5	60.3	5.00	4.00
4.65	NO							
L0159494		0	0.12747E-03	662618.3	4271821.9	60.2	5.00	4.00
4.65	NO							
L0159495		0	0.12747E-03	662618.4	4271813.3	60.1	5.00	4.00
4.65	NO							
L0159496		0	0.12747E-03	662618.5	4271804.7	60.1	5.00	4.00
4.65	NO							
L0159497		0	0.12747E-03	662618.6	4271796.1	60.1	5.00	4.00
4.65	NO							
L0159498		0	0.12747E-03	662618.7	4271787.5	60.1	5.00	4.00
4.65	NO							
L0159499		0	0.12747E-03	662618.9	4271778.9	60.1	5.00	4.00
4.65	NO							
L0159500		0	0.12747E-03	662619.0	4271770.3	60.1	5.00	4.00
4.65	NO							
L0159501		0	0.12747E-03	662619.1	4271761.7	60.1	5.00	4.00
4.65	NO							
L0159502		0	0.12747E-03	662619.2	4271753.1	60.1	5.00	4.00

4.65	NO							
L0159503		0	0.12747E-03	662619.3	4271744.5	60.0	5.00	4.00
4.65	NO							
L0159504		0	0.12747E-03	662619.4	4271735.9	59.8	5.00	4.00
4.65	NO							
L0159505		0	0.12747E-03	662619.5	4271727.3	59.5	5.00	4.00
4.65	NO							
L0159506		0	0.12747E-03	662619.6	4271718.7	59.2	5.00	4.00
4.65	NO							
L0159507		0	0.12747E-03	662619.7	4271710.1	59.1	5.00	4.00
4.65	NO							
L0159508		0	0.12747E-03	662619.9	4271701.5	59.1	5.00	4.00
4.65	NO							
L0159509		0	0.12747E-03	662620.0	4271692.9	59.0	5.00	4.00
4.65	NO							
L0159510		0	0.12747E-03	662620.1	4271684.3	59.0	5.00	4.00
4.65	NO							
L0159511		0	0.12747E-03	662620.2	4271675.7	59.0	5.00	4.00
4.65	NO							
L0159512		0	0.12747E-03	662620.3	4271667.1	59.0	5.00	4.00
4.65	NO							
L0159513		0	0.12747E-03	662620.4	4271658.5	58.9	5.00	4.00
4.65	NO							
L0159514		0	0.12747E-03	662620.5	4271649.9	59.0	5.00	4.00

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 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFault    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0159515		0	0.12747E-03	662620.6	4271641.3	59.0	5.00	4.00
4.65	NO							
L0159516		0	0.12747E-03	662620.7	4271632.7	59.1	5.00	4.00
4.65	NO							
L0159517		0	0.12747E-03	662620.9	4271624.1	59.2	5.00	4.00



4.65	NO							
L0159518		0	0.12747E-03	662621.0	4271615.5	59.2	5.00	4.00
4.65	NO							
L0159519		0	0.12747E-03	662621.1	4271606.9	59.3	5.00	4.00
4.65	NO							
L0159520		0	0.12747E-03	662621.2	4271598.3	59.4	5.00	4.00
4.65	NO							
L0159521		0	0.12747E-03	662621.3	4271589.7	59.5	5.00	4.00
4.65	NO							
L0159522		0	0.12747E-03	662621.4	4271581.1	59.6	5.00	4.00
4.65	NO							
L0159523		0	0.12747E-03	662621.5	4271572.5	59.7	5.00	4.00
4.65	NO							
L0159524		0	0.12747E-03	662621.6	4271563.9	59.8	5.00	4.00
4.65	NO							
L0159525		0	0.12747E-03	662621.8	4271555.3	59.8	5.00	4.00
4.65	NO							
L0159526		0	0.12747E-03	662621.9	4271546.7	59.8	5.00	4.00
4.65	NO							
L0159527		0	0.12747E-03	662622.0	4271538.1	59.8	5.00	4.00
4.65	NO							
L0159528		0	0.12747E-03	662622.1	4271529.5	59.9	5.00	4.00
4.65	NO							
L0159529		0	0.12747E-03	662622.2	4271520.9	59.9	5.00	4.00
4.65	NO							
L0159530		0	0.12747E-03	662622.3	4271512.3	59.8	5.00	4.00
4.65	NO							
L0159531		0	0.12747E-03	662622.4	4271503.7	59.8	5.00	4.00
4.65	NO							
L0159532		0	0.12747E-03	662622.5	4271495.1	59.8	5.00	4.00
4.65	NO							
L0159533		0	0.12747E-03	662622.6	4271486.5	59.9	5.00	4.00
4.65	NO							
L0159534		0	0.12747E-03	662622.8	4271477.9	59.9	5.00	4.00
4.65	NO							
L0159535		0	0.12747E-03	662622.9	4271469.3	59.9	5.00	4.00
4.65	NO							
L0159536		0	0.12747E-03	662623.0	4271460.7	60.1	5.00	4.00
4.65	NO							
L0159537		0	0.12747E-03	662623.1	4271452.1	60.3	5.00	4.00
4.65	NO							
L0159538		0	0.12747E-03	662623.2	4271443.5	60.5	5.00	4.00
4.65	NO							
L0159539		0	0.12747E-03	662623.3	4271434.9	60.7	5.00	4.00
4.65	NO							
L0159540		0	0.12747E-03	662623.4	4271426.3	60.9	5.00	4.00
4.65	NO							
L0159541		0	0.12747E-03	662623.5	4271417.7	61.2	5.00	4.00
4.65	NO							
L0159542		0	0.12747E-03	662623.7	4271409.1	61.5	5.00	4.00

4.65	NO							
L0159543		0	0.12747E-03	662623.8	4271400.5	61.7	5.00	4.00
4.65	NO							
L0159544		0	0.12747E-03	662623.9	4271391.9	62.0	5.00	4.00
4.65	NO							
L0159545		0	0.12747E-03	662624.0	4271383.3	62.2	5.00	4.00
4.65	NO							
L0159546		0	0.12747E-03	662624.1	4271374.7	62.5	5.00	4.00
4.65	NO							
L0159547		0	0.12747E-03	662624.2	4271366.1	62.8	5.00	4.00
4.65	NO							
L0159548		0	0.12747E-03	662624.3	4271357.5	63.1	5.00	4.00
4.65	NO							
L0159549		0	0.12747E-03	662624.4	4271348.9	63.5	5.00	4.00
4.65	NO							
L0159550		0	0.12747E-03	662624.5	4271340.3	63.6	5.00	4.00
4.65	NO							
L0159551		0	0.12747E-03	662624.7	4271331.7	63.5	5.00	4.00
4.65	NO							
L0159552		0	0.12747E-03	662624.8	4271323.1	63.3	5.00	4.00
4.65	NO							
L0159553		0	0.12747E-03	662624.9	4271314.5	63.2	5.00	4.00
4.65	NO							
L0159554		0	0.12747E-03	662625.0	4271305.9	63.0	5.00	4.00

\*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0159555		0	0.12747E-03	662625.1	4271297.3	62.7	5.00	4.00
4.65	NO							
L0159556		0	0.12747E-03	662625.2	4271288.7	62.4	5.00	4.00
4.65	NO							
L0159557		0	0.12747E-03	662625.3	4271280.1	62.2	5.00	4.00

4.65	NO							
L0159558		0	0.12747E-03	662625.4	4271271.5	62.1	5.00	4.00
4.65	NO							
L0159559		0	0.12747E-03	662625.6	4271262.9	62.0	5.00	4.00
4.65	NO							
L0159560		0	0.12747E-03	662625.7	4271254.3	61.9	5.00	4.00
4.65	NO							
L0159561		0	0.12747E-03	662625.8	4271245.7	61.9	5.00	4.00
4.65	NO							
L0159562		0	0.12747E-03	662625.9	4271237.1	62.0	5.00	4.00
4.65	NO							
L0159563		0	0.12747E-03	662626.0	4271228.5	62.0	5.00	4.00
4.65	NO							
L0159564		0	0.12747E-03	662626.1	4271219.9	62.1	5.00	4.00
4.65	NO							
L0159565		0	0.12747E-03	662626.2	4271211.3	62.2	5.00	4.00
4.65	NO							
L0159566		0	0.12747E-03	662626.3	4271202.7	62.3	5.00	4.00
4.65	NO							
L0159567		0	0.12747E-03	662626.4	4271194.1	62.4	5.00	4.00
4.65	NO							
L0159568		0	0.12747E-03	662626.6	4271185.5	62.7	5.00	4.00
4.65	NO							
L0159569		0	0.12747E-03	662626.7	4271176.9	63.0	5.00	4.00
4.65	NO							
L0159570		0	0.12747E-03	662626.8	4271168.3	63.3	5.00	4.00
4.65	NO							
L0159571		0	0.12747E-03	662626.9	4271159.7	63.6	5.00	4.00
4.65	NO							
L0159572		0	0.12747E-03	662627.0	4271151.1	63.7	5.00	4.00
4.65	NO							
L0159573		0	0.12747E-03	662627.1	4271142.5	63.9	5.00	4.00
4.65	NO							
L0159574		0	0.12747E-03	662627.2	4271133.9	64.0	5.00	4.00
4.65	NO							
L0159575		0	0.12747E-03	662627.3	4271125.3	64.0	5.00	4.00
4.65	NO							
L0159576		0	0.12747E-03	662627.4	4271116.7	63.8	5.00	4.00
4.65	NO							
L0159577		0	0.12747E-03	662627.6	4271108.1	63.5	5.00	4.00
4.65	NO							
L0159578		0	0.12747E-03	662627.7	4271099.5	63.3	5.00	4.00
4.65	NO							
L0159579		0	0.12747E-03	662627.8	4271090.9	63.2	5.00	4.00
4.65	NO							
L0159580		0	0.12747E-03	662627.9	4271082.3	63.0	5.00	4.00
4.65	NO							
L0159581		0	0.12747E-03	662628.0	4271073.7	62.9	5.00	4.00
4.65	NO							
L0159582		0	0.12747E-03	662628.1	4271065.1	62.8	5.00	4.00

4.65	NO							
L0159583		0	0.12747E-03	662628.2	4271056.5	62.8	5.00	4.00
4.65	NO							
L0159584		0	0.12747E-03	662628.3	4271047.9	62.8	5.00	4.00
4.65	NO							
L0159585		0	0.12747E-03	662628.5	4271039.3	62.7	5.00	4.00
4.65	NO							
L0159586		0	0.12747E-03	662628.6	4271030.7	62.9	5.00	4.00
4.65	NO							
L0159587		0	0.12747E-03	662628.7	4271022.1	63.2	5.00	4.00
4.65	NO							
L0159588		0	0.12747E-03	662628.8	4271013.6	63.5	5.00	4.00
4.65	NO							
L0159589		0	0.12747E-03	662628.9	4271005.0	63.8	5.00	4.00
4.65	NO							
L0159590		0	0.12747E-03	662629.0	4270996.4	64.4	5.00	4.00
4.65	NO							
L0159591		0	0.12747E-03	662629.1	4270987.8	65.0	5.00	4.00
4.65	NO							
L0159592		0	0.12747E-03	662629.2	4270979.2	65.6	5.00	4.00
4.65	NO							
L0159593		0	0.12747E-03	662629.3	4270970.6	66.2	5.00	4.00
4.65	NO							
L0159594		0	0.12747E-03	662629.5	4270962.0	66.9	5.00	4.00

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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0159595		0	0.12747E-03	662629.6	4270953.4	67.6	5.00	4.00
4.65	NO							
L0159596		0	0.12747E-03	662629.7	4270944.8	68.3	5.00	4.00
4.65	NO							
L0159597		0	0.12747E-03	662629.8	4270936.2	68.4	5.00	4.00

4.65	NO							
L0159598		0	0.12747E-03	662629.9	4270927.6	68.5	5.00	4.00
4.65	NO							
L0159599		0	0.12747E-03	662630.0	4270919.0	68.5	5.00	4.00
4.65	NO							
L0159600		0	0.12747E-03	662630.1	4270910.4	68.5	5.00	4.00
4.65	NO							
L0159601		0	0.12747E-03	662630.2	4270901.8	68.3	5.00	4.00
4.65	NO							
L0159602		0	0.12747E-03	662630.4	4270893.2	68.2	5.00	4.00
4.65	NO							
L0159603		0	0.12747E-03	662630.5	4270884.6	68.1	5.00	4.00
4.65	NO							
L0159604		0	0.12747E-03	662630.6	4270876.0	67.9	5.00	4.00
4.65	NO							
L0159605		0	0.12747E-03	662630.7	4270867.4	67.7	5.00	4.00
4.65	NO							
L0159606		0	0.12747E-03	662630.8	4270858.8	67.5	5.00	4.00
4.65	NO							
L0159607		0	0.12747E-03	662630.9	4270850.2	67.2	5.00	4.00
4.65	NO							
L0159608		0	0.12747E-03	662631.0	4270841.6	67.0	5.00	4.00
4.65	NO							
L0159609		0	0.12747E-03	662631.1	4270833.0	66.8	5.00	4.00
4.65	NO							
L0159610		0	0.12747E-03	662631.2	4270824.4	66.6	5.00	4.00
4.65	NO							
L0159611		0	0.12747E-03	662631.4	4270815.8	66.4	5.00	4.00
4.65	NO							
L0159612		0	0.12747E-03	662631.5	4270807.2	66.2	5.00	4.00
4.65	NO							
L0159613		0	0.12747E-03	662631.6	4270798.6	66.0	5.00	4.00
4.65	NO							
L0159614		0	0.12747E-03	662631.7	4270790.0	65.8	5.00	4.00
4.65	NO							
L0159615		0	0.12747E-03	662631.8	4270781.4	65.5	5.00	4.00
4.65	NO							
L0159616		0	0.12747E-03	662631.9	4270772.8	65.1	5.00	4.00
4.65	NO							
L0159617		0	0.12747E-03	662632.0	4270764.2	64.7	5.00	4.00
4.65	NO							
L0159618		0	0.12747E-03	662632.1	4270755.6	64.3	5.00	4.00
4.65	NO							
L0159619		0	0.12747E-03	662632.3	4270747.0	63.8	5.00	4.00
4.65	NO							
L0159620		0	0.12747E-03	662632.4	4270738.4	63.4	5.00	4.00
4.65	NO							
L0159621		0	0.12747E-03	662632.5	4270729.8	63.0	5.00	4.00
4.65	NO							
L0159622		0	0.12747E-03	662632.6	4270721.2	62.6	5.00	4.00

4.65	NO							
L0159623		0	0.12747E-03	662632.7	4270712.6	62.3	5.00	4.00
4.65	NO							
L0159624		0	0.12747E-03	662632.8	4270704.0	62.0	5.00	4.00
4.65	NO							
L0159625		0	0.12747E-03	662632.9	4270695.4	61.8	5.00	4.00
4.65	NO							
L0159626		0	0.12747E-03	662633.0	4270686.8	61.7	5.00	4.00
4.65	NO							
L0159627		0	0.12747E-03	662633.1	4270678.2	61.7	5.00	4.00
4.65	NO							
L0159628		0	0.12747E-03	662633.3	4270669.6	61.7	5.00	4.00
4.65	NO							
L0159629		0	0.12747E-03	662633.4	4270661.0	61.8	5.00	4.00
4.65	NO							
L0159630		0	0.12747E-03	662633.5	4270652.4	62.0	5.00	4.00
4.65	NO							
L0159631		0	0.12747E-03	662633.6	4270643.8	62.2	5.00	4.00
4.65	NO							
L0159632		0	0.12747E-03	662633.7	4270635.2	62.5	5.00	4.00
4.65	NO							
L0159633		0	0.12747E-03	662633.8	4270626.6	62.7	5.00	4.00
4.65	NO							
L0159634		0	0.12747E-03	662633.9	4270618.0	62.9	5.00	4.00

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 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0159635		0	0.12747E-03	662634.0	4270609.4	63.1	5.00	4.00
4.65	NO							
L0159636		0	0.12747E-03	662634.2	4270600.8	63.3	5.00	4.00
4.65	NO							
L0159637		0	0.12747E-03	662634.3	4270592.2	63.4	5.00	4.00

4.65	NO							
L0159638		0	0.12747E-03	662634.4	4270583.6	63.5	5.00	4.00
4.65	NO							
L0159639		0	0.12747E-03	662634.5	4270575.0	63.6	5.00	4.00
4.65	NO							
L0159640		0	0.12747E-03	662634.6	4270566.4	63.6	5.00	4.00
4.65	NO							
L0159641		0	0.12747E-03	662634.7	4270557.8	63.6	5.00	4.00
4.65	NO							
L0159642		0	0.12747E-03	662634.8	4270549.2	63.6	5.00	4.00
4.65	NO							
L0159643		0	0.12747E-03	662634.9	4270540.6	63.6	5.00	4.00
4.65	NO							
L0159644		0	0.12747E-03	662635.0	4270532.0	63.5	5.00	4.00
4.65	NO							
L0159645		0	0.12747E-03	662635.2	4270523.4	63.4	5.00	4.00
4.65	NO							
L0159646		0	0.12747E-03	662635.3	4270514.8	63.2	5.00	4.00
4.65	NO							
L0159647		0	0.12747E-03	662635.4	4270506.2	63.2	5.00	4.00
4.65	NO							
L0159648		0	0.12747E-03	662635.5	4270497.6	63.2	5.00	4.00
4.65	NO							
L0159649		0	0.12747E-03	662635.6	4270489.0	63.2	5.00	4.00
4.65	NO							
L0159650		0	0.12747E-03	662635.7	4270480.4	63.3	5.00	4.00
4.65	NO							
L0159651		0	0.12747E-03	662635.8	4270471.8	63.3	5.00	4.00
4.65	NO							
L0159652		0	0.12747E-03	662635.9	4270463.2	63.4	5.00	4.00
4.65	NO							
L0159653		0	0.12747E-03	662636.0	4270454.6	63.5	5.00	4.00
4.65	NO							
L0159654		0	0.12747E-03	662636.9	4270446.7	63.6	5.00	4.00
4.65	NO							
L0159655		0	0.12747E-03	662645.5	4270446.2	63.9	5.00	4.00
4.65	NO							
L0159656		0	0.12747E-03	662654.1	4270445.7	64.2	5.00	4.00
4.65	NO							
L0159657		0	0.12747E-03	662662.7	4270445.2	64.6	5.00	4.00
4.65	NO							
L0159658		0	0.12747E-03	662671.3	4270444.7	64.9	5.00	4.00
4.65	NO							
L0159659		0	0.12747E-03	662679.8	4270444.2	65.2	5.00	4.00
4.65	NO							
L0159660		0	0.12747E-03	662688.4	4270443.7	65.6	5.00	4.00
4.65	NO							
L0159661		0	0.12747E-03	662697.0	4270443.3	66.0	5.00	4.00
4.65	NO							
L0159662		0	0.12747E-03	662705.6	4270442.8	66.4	5.00	4.00

4.65	NO							
L0159663		0	0.12747E-03	662714.2	4270442.3	66.8	5.00	4.00
4.65	NO							
L0159664		0	0.12747E-03	662722.8	4270441.8	67.3	5.00	4.00
4.65	NO							
L0159665		0	0.12747E-03	662731.4	4270441.3	67.7	5.00	4.00
4.65	NO							
L0159666		0	0.12747E-03	662739.9	4270440.8	68.0	5.00	4.00
4.65	NO							
L0159667		0	0.12747E-03	662748.5	4270440.3	68.4	5.00	4.00
4.65	NO							
L0159668		0	0.12747E-03	662757.1	4270439.8	68.7	5.00	4.00
4.65	NO							
L0159669		0	0.12747E-03	662765.7	4270439.3	68.9	5.00	4.00
4.65	NO							
L0159670		0	0.12747E-03	662774.3	4270438.8	69.0	5.00	4.00
4.65	NO							
L0159671		0	0.12747E-03	662782.9	4270438.3	69.1	5.00	4.00
4.65	NO							
L0159672		0	0.12747E-03	662791.5	4270437.8	69.2	5.00	4.00
4.65	NO							
L0159673		0	0.12747E-03	662800.0	4270437.3	69.2	5.00	4.00
4.65	NO							
L0159674		0	0.12747E-03	662808.6	4270436.8	69.3	5.00	4.00

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 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0159675		0	0.12747E-03	662817.2	4270436.3	69.3	5.00	4.00
4.65	NO							
L0159676		0	0.12747E-03	662825.8	4270435.8	69.4	5.00	4.00
4.65	NO							
L0159677		0	0.12747E-03	662834.4	4270435.3	69.3	5.00	4.00



4.65	NO							
L0159678		0	0.12747E-03	662843.0	4270434.8	69.1	5.00	4.00
4.65	NO							
L0159679		0	0.12747E-03	662851.6	4270434.3	68.9	5.00	4.00
4.65	NO							
L0159680		0	0.12747E-03	662860.1	4270433.8	68.6	5.00	4.00
4.65	NO							
L0159681		0	0.12747E-03	662868.7	4270433.3	68.2	5.00	4.00
4.65	NO							
L0159682		0	0.12747E-03	662877.3	4270432.8	67.8	5.00	4.00
4.65	NO							
L0159683		0	0.12747E-03	662885.9	4270432.4	67.5	5.00	4.00
4.65	NO							
L0159684		0	0.12747E-03	662894.5	4270431.9	67.2	5.00	4.00
4.65	NO							
L0159685		0	0.12747E-03	662903.1	4270431.4	66.9	5.00	4.00
4.65	NO							
L0159686		0	0.12747E-03	662911.7	4270430.9	66.6	5.00	4.00
4.65	NO							
L0159687		0	0.12747E-03	662920.2	4270430.4	66.3	5.00	4.00
4.65	NO							
L0159688		0	0.12747E-03	662928.8	4270429.9	65.9	5.00	4.00
4.65	NO							
L0159689		0	0.12747E-03	662937.4	4270429.4	65.3	5.00	4.00
4.65	NO							
L0159690		0	0.12747E-03	662946.0	4270428.9	64.8	5.00	4.00
4.65	NO							
L0159691		0	0.12747E-03	662954.6	4270428.4	64.3	5.00	4.00
4.65	NO							
L0159692		0	0.12747E-03	662963.2	4270427.9	63.8	5.00	4.00
4.65	NO							
L0159693		0	0.12747E-03	662971.8	4270427.4	63.2	5.00	4.00
4.65	NO							
L0159694		0	0.12747E-03	662980.3	4270426.9	63.3	5.00	4.00
4.65	NO							
L0159695		0	0.12747E-03	662988.9	4270426.4	63.8	5.00	4.00
4.65	NO							
L0159696		0	0.12747E-03	662997.5	4270425.9	64.3	5.00	4.00
4.65	NO							
L0159697		0	0.12747E-03	663006.1	4270425.4	64.9	5.00	4.00
4.65	NO							
L0159698		0	0.12747E-03	663014.7	4270424.9	65.5	5.00	4.00
4.65	NO							
L0159699		0	0.12747E-03	663023.3	4270424.4	66.2	5.00	4.00
4.65	NO							
L0159700		0	0.12747E-03	663031.9	4270423.9	66.6	5.00	4.00
4.65	NO							
L0159701		0	0.12747E-03	663040.4	4270423.4	67.1	5.00	4.00
4.65	NO							
L0159702		0	0.12747E-03	663049.0	4270422.9	67.5	5.00	4.00

4.65	NO							
L0159703		0	0.12747E-03	663057.6	4270422.4	67.2	5.00	4.00
4.65	NO							
L0159704		0	0.12747E-03	663066.2	4270422.0	67.0	5.00	4.00
4.65	NO							
L0159705		0	0.12747E-03	663074.8	4270421.5	66.7	5.00	4.00
4.65	NO							
L0159706		0	0.12747E-03	663083.4	4270421.0	66.3	5.00	4.00
4.65	NO							
L0159707		0	0.12747E-03	663092.0	4270420.5	66.0	5.00	4.00
4.65	NO							
L0159708		0	0.12747E-03	663100.5	4270420.0	65.6	5.00	4.00
4.65	NO							
L0159709		0	0.12747E-03	663109.1	4270419.5	65.2	5.00	4.00
4.65	NO							
L0159710		0	0.12747E-03	663117.7	4270419.0	64.9	5.00	4.00
4.65	NO							
L0159711		0	0.12747E-03	663126.3	4270418.5	64.3	5.00	4.00
4.65	NO							
L0159712		0	0.12747E-03	663134.9	4270418.0	63.7	5.00	4.00
4.65	NO							
L0159713		0	0.12747E-03	663143.5	4270417.5	63.1	5.00	4.00
4.65	NO							
L0159714		0	0.12747E-03	663152.1	4270417.0	62.8	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0159715		0	0.12747E-03	663160.6	4270416.5	62.5	5.00	4.00
4.65	NO							
L0159716		0	0.12747E-03	663169.2	4270416.0	62.3	5.00	4.00
4.65	NO							
L0159717		0	0.12747E-03	663177.8	4270415.5	62.5	5.00	4.00

4.65	NO							
L0159718		0	0.12747E-03	663186.4	4270415.0	62.8	5.00	4.00
4.65	NO							
L0159719		0	0.12747E-03	663195.0	4270414.5	63.1	5.00	4.00
4.65	NO							
L0159720		0	0.12747E-03	663203.6	4270414.0	63.2	5.00	4.00
4.65	NO							
L0159721		0	0.12747E-03	663212.2	4270413.5	63.3	5.00	4.00
4.65	NO							
L0159722		0	0.12747E-03	663220.7	4270413.0	63.4	5.00	4.00
4.65	NO							
L0159723		0	0.12747E-03	663229.3	4270412.5	63.3	5.00	4.00
4.65	NO							
L0159724		0	0.12747E-03	663237.9	4270412.0	63.2	5.00	4.00
4.65	NO							
L0159725		0	0.12747E-03	663246.5	4270411.6	63.1	5.00	4.00
4.65	NO							
L0159726		0	0.12747E-03	663255.1	4270411.1	63.1	5.00	4.00
4.65	NO							
L0159727		0	0.12747E-03	663263.7	4270410.6	63.0	5.00	4.00
4.65	NO							
L0159728		0	0.12747E-03	663272.3	4270410.1	63.0	5.00	4.00
4.65	NO							
L0159729		0	0.12747E-03	663280.8	4270409.6	63.1	5.00	4.00
4.65	NO							
L0159730		0	0.12747E-03	663289.4	4270409.1	63.1	5.00	4.00
4.65	NO							
L0159731		0	0.12747E-03	663298.0	4270408.6	62.6	5.00	4.00
4.65	NO							
L0159732		0	0.12747E-03	663306.6	4270408.1	62.0	5.00	4.00
4.65	NO							
L0159733		0	0.12747E-03	663315.2	4270407.6	61.3	5.00	4.00
4.65	NO							
L0159734		0	0.12747E-03	663321.8	4270405.0	60.2	5.00	4.00
4.65	NO							
L0159735		0	0.12747E-03	663322.4	4270396.5	59.9	5.00	4.00
4.65	NO							
L0159736		0	0.12747E-03	663323.1	4270387.9	59.5	5.00	4.00
4.65	NO							
L0159737		0	0.12747E-03	663323.8	4270379.3	59.2	5.00	4.00
4.65	NO							
L0159738		0	0.12747E-03	663324.5	4270370.7	58.8	5.00	4.00
4.65	NO							
L0159739		0	0.12747E-03	663325.2	4270362.2	58.1	5.00	4.00
4.65	NO							
L0159740		0	0.12747E-03	663325.9	4270353.6	57.5	5.00	4.00
4.65	NO							
L0159741		0	0.12747E-03	663326.5	4270345.0	56.9	5.00	4.00
4.65	NO							
L0159742		0	0.12747E-03	663327.2	4270336.5	57.0	5.00	4.00

4.65	NO							
L0159743		0	0.12747E-03	663327.9	4270327.9	57.6	5.00	4.00
4.65	NO							
L0159744		0	0.12747E-03	663328.6	4270319.3	58.1	5.00	4.00
4.65	NO							
L0159745		0	0.12747E-03	663329.3	4270310.7	58.7	5.00	4.00
4.65	NO							
L0159746		0	0.12747E-03	663330.0	4270302.2	58.9	5.00	4.00
4.65	NO							
L0159747		0	0.12747E-03	663330.6	4270293.6	59.2	5.00	4.00
4.65	NO							
L0159748		0	0.12747E-03	663331.3	4270285.0	59.5	5.00	4.00
4.65	NO							
L0159749		0	0.12747E-03	663332.0	4270276.4	59.4	5.00	4.00
4.65	NO							
L0159750		0	0.12747E-03	663332.7	4270267.9	58.8	5.00	4.00
4.65	NO							
L0159751		0	0.12747E-03	663333.4	4270259.3	58.1	5.00	4.00
4.65	NO							
L0159752		0	0.12747E-03	663334.1	4270250.7	57.5	5.00	4.00
4.65	NO							
L0159753		0	0.12747E-03	663334.7	4270242.2	56.5	5.00	4.00
4.65	NO							
L0159754		0	0.12747E-03	663335.4	4270233.6	55.3	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					

L0159755		0	0.12747E-03	663336.1	4270225.0	54.2	5.00	4.00
4.65	NO							
L0159756		0	0.12747E-03	663336.8	4270216.4	53.2	5.00	4.00
4.65	NO							
L0159757		0	0.12747E-03	663337.5	4270207.9	52.7	5.00	4.00

4.65	NO							
L0159758		0	0.12747E-03	663338.1	4270199.3	52.3	5.00	4.00
4.65	NO							
L0159759		0	0.12747E-03	663338.8	4270190.7	51.8	5.00	4.00
4.65	NO							
L0159760		0	0.12747E-03	663339.5	4270182.1	52.4	5.00	4.00
4.65	NO							
L0159761		0	0.12747E-03	663340.2	4270173.6	53.5	5.00	4.00
4.65	NO							
L0159762		0	0.12747E-03	663340.9	4270165.0	54.7	5.00	4.00
4.65	NO							
L0159763		0	0.12747E-03	663341.6	4270156.4	55.9	5.00	4.00
4.65	NO							
L0159764		0	0.12747E-03	663342.2	4270147.9	57.2	5.00	4.00
4.65	NO							
L0159765		0	0.12747E-03	663342.9	4270139.3	58.6	5.00	4.00
4.65	NO							
L0159766		0	0.12747E-03	663343.6	4270130.7	59.9	5.00	4.00
4.65	NO							
L0159767		0	0.12747E-03	663344.3	4270122.1	60.8	5.00	4.00
4.65	NO							
L0159768		0	0.12747E-03	663345.0	4270113.6	61.2	5.00	4.00
4.65	NO							
L0159769		0	0.12747E-03	663345.7	4270105.0	61.6	5.00	4.00
4.65	NO							
L0159770		0	0.12747E-03	663346.3	4270096.4	62.0	5.00	4.00
4.65	NO							
L0159771		0	0.12747E-03	663347.0	4270087.8	61.7	5.00	4.00
4.65	NO							
L0159772		0	0.12747E-03	663347.7	4270079.3	61.3	5.00	4.00
4.65	NO							
L0159773		0	0.12747E-03	663348.4	4270070.7	60.9	5.00	4.00
4.65	NO							
L0159774		0	0.12747E-03	663349.1	4270062.1	60.5	5.00	4.00
4.65	NO							
L0159775		0	0.12747E-03	663349.8	4270053.5	60.1	5.00	4.00
4.65	NO							
L0159776		0	0.12747E-03	663350.4	4270045.0	59.8	5.00	4.00
4.65	NO							
L0159777		0	0.12747E-03	663351.1	4270036.4	59.4	5.00	4.00
4.65	NO							
L0159778		0	0.12747E-03	663351.8	4270027.8	59.1	5.00	4.00
4.65	NO							
L0159779		0	0.12747E-03	663352.5	4270019.3	58.8	5.00	4.00
4.65	NO							
L0159780		0	0.12747E-03	663353.2	4270010.7	58.4	5.00	4.00
4.65	NO							
L0159781		0	0.12747E-03	663353.9	4270002.1	58.1	5.00	4.00
4.65	NO							
L0159782		0	0.12747E-03	663354.5	4269993.5	57.8	5.00	4.00

4.65	NO							
L0159783		0	0.12747E-03	663355.2	4269985.0	57.4	5.00	4.00
4.65	NO							
L0159784		0	0.12747E-03	663355.9	4269976.4	57.1	5.00	4.00
4.65	NO							
L0159785		0	0.12747E-03	663356.6	4269967.8	56.8	5.00	4.00
4.65	NO							
L0159786		0	0.12747E-03	663357.3	4269959.2	56.5	5.00	4.00
4.65	NO							
L0159787		0	0.12747E-03	663357.9	4269950.7	56.3	5.00	4.00
4.65	NO							
L0159788		0	0.12747E-03	663358.6	4269942.1	56.0	5.00	4.00
4.65	NO							
L0159789		0	0.12747E-03	663359.3	4269933.5	55.6	5.00	4.00
4.65	NO							
L0159790		0	0.12747E-03	663360.0	4269925.0	55.3	5.00	4.00
4.65	NO							
L0159791		0	0.12747E-03	663360.7	4269916.4	54.9	5.00	4.00
4.65	NO							
L0159792		0	0.12747E-03	663361.4	4269907.8	54.8	5.00	4.00
4.65	NO							
L0159793		0	0.12747E-03	663362.0	4269899.2	55.0	5.00	4.00
4.65	NO							
L0159794		0	0.12747E-03	663362.7	4269890.7	55.2	5.00	4.00

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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0159795		0	0.12747E-03	663363.4	4269882.1	55.3	5.00	4.00
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L0159796		0	0.12747E-03	663364.1	4269873.5	55.7	5.00	4.00
4.65	NO							
L0159797		0	0.12747E-03	663364.8	4269864.9	56.1	5.00	4.00

4.65	NO							
L0159798		0	0.12747E-03	663365.5	4269856.4	56.5	5.00	4.00
4.65	NO							
L0159799		0	0.12747E-03	663366.1	4269847.8	57.0	5.00	4.00
4.65	NO							
L0159800		0	0.12747E-03	663366.8	4269839.2	57.4	5.00	4.00
4.65	NO							
L0159801		0	0.12747E-03	663367.5	4269830.7	57.9	5.00	4.00
4.65	NO							
L0159802		0	0.12747E-03	663368.2	4269822.1	58.3	5.00	4.00
4.65	NO							
L0159803		0	0.12747E-03	663368.9	4269813.5	58.6	5.00	4.00
4.65	NO							
L0159804		0	0.12747E-03	663369.6	4269804.9	58.9	5.00	4.00
4.65	NO							
L0159805		0	0.12747E-03	663370.2	4269796.4	59.1	5.00	4.00
4.65	NO							
L0159806		0	0.12747E-03	663370.9	4269787.8	59.3	5.00	4.00
4.65	NO							
L0159807		0	0.12747E-03	663371.6	4269779.2	59.4	5.00	4.00
4.65	NO							
L0159808		0	0.12747E-03	663372.3	4269770.6	59.4	5.00	4.00
4.65	NO							
L0159809		0	0.12747E-03	663373.0	4269762.1	59.4	5.00	4.00
4.65	NO							
L0159810		0	0.12747E-03	663373.7	4269753.5	59.4	5.00	4.00
4.65	NO							
L0159811		0	0.12747E-03	663374.3	4269744.9	59.5	5.00	4.00
4.65	NO							
L0159812		0	0.12747E-03	663375.0	4269736.4	59.5	5.00	4.00
4.65	NO							
L0159813		0	0.12747E-03	663375.7	4269727.8	59.6	5.00	4.00
4.65	NO							
L0159814		0	0.12747E-03	663376.4	4269719.2	59.7	5.00	4.00
4.65	NO							
L0159815		0	0.12747E-03	663377.1	4269710.6	59.8	5.00	4.00
4.65	NO							
L0159816		0	0.12747E-03	663377.7	4269702.1	59.8	5.00	4.00
4.65	NO							
L0159817		0	0.12747E-03	663378.4	4269693.5	59.9	5.00	4.00
4.65	NO							
L0159818		0	0.12747E-03	663379.1	4269684.9	60.1	5.00	4.00
4.65	NO							
L0159819		0	0.12747E-03	663379.8	4269676.3	60.3	5.00	4.00
4.65	NO							
L0159820		0	0.12747E-03	663380.5	4269667.8	60.5	5.00	4.00
4.65	NO							
L0159821		0	0.12747E-03	663384.2	4269662.7	60.7	5.00	4.00
4.65	NO							
L0159822		0	0.12747E-03	663392.8	4269663.2	60.7	5.00	4.00

4.65	NO							
L0159823		0	0.12747E-03	663401.3	4269663.7	60.7	5.00	4.00
4.65	NO							
L0159824		0	0.12747E-03	663409.9	4269664.3	60.6	5.00	4.00
4.65	NO							
L0159825		0	0.12747E-03	663418.5	4269664.8	60.5	5.00	4.00
4.65	NO							
L0159826		0	0.12747E-03	663427.1	4269665.4	60.4	5.00	4.00
4.65	NO							
L0159827		0	0.12747E-03	663435.7	4269665.9	60.2	5.00	4.00
4.65	NO							
L0159828		0	0.12747E-03	663444.3	4269666.4	60.0	5.00	4.00
4.65	NO							
L0159829		0	0.12747E-03	663452.8	4269667.0	60.0	5.00	4.00
4.65	NO							
L0159830		0	0.12747E-03	663461.4	4269667.5	60.2	5.00	4.00
4.65	NO							
L0159831		0	0.12747E-03	663470.0	4269668.0	60.4	5.00	4.00
4.65	NO							
L0159832		0	0.12747E-03	663478.6	4269668.6	60.7	5.00	4.00
4.65	NO							
L0159833		0	0.12747E-03	663487.2	4269669.1	61.0	5.00	4.00
4.65	NO							
L0159834		0	0.12747E-03	663495.8	4269669.6	61.4	5.00	4.00

^ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					

L0159835		0	0.12747E-03	663504.3	4269670.2	61.7	5.00	4.00
4.65	NO							
L0159836		0	0.12747E-03	663512.9	4269670.7	62.1	5.00	4.00
4.65	NO							
L0159837		0	0.12747E-03	663521.5	4269671.3	62.5	5.00	4.00



4.65	NO							
L0159838		0	0.12747E-03	663530.1	4269671.8	62.6	5.00	4.00
4.65	NO							
L0159839		0	0.12747E-03	663538.7	4269672.3	62.7	5.00	4.00
4.65	NO							
L0159840		0	0.12747E-03	663547.3	4269672.9	62.8	5.00	4.00
4.65	NO							
L0159841		0	0.12747E-03	663555.8	4269673.4	62.4	5.00	4.00
4.65	NO							
L0159842		0	0.12747E-03	663564.4	4269673.9	62.0	5.00	4.00
4.65	NO							
L0159843		0	0.12747E-03	663573.0	4269674.5	61.7	5.00	4.00
4.65	NO							
L0159844		0	0.12747E-03	663581.6	4269675.0	61.4	5.00	4.00
4.65	NO							
L0159845		0	0.12747E-03	663590.2	4269675.5	61.2	5.00	4.00
4.65	NO							
L0159846		0	0.12747E-03	663590.9	4269682.6	61.1	5.00	4.00
4.65	NO							
L0159847		0	0.12747E-03	663589.9	4269691.1	61.1	5.00	4.00
4.65	NO							
L0159848		0	0.12747E-03	663588.8	4269699.6	61.0	5.00	4.00
4.65	NO							
L0159849		0	0.12747E-03	663587.7	4269708.2	61.1	5.00	4.00
4.65	NO							
L0159850		0	0.12747E-03	663586.7	4269716.7	61.1	5.00	4.00
4.65	NO							
L0159851		0	0.12747E-03	663585.6	4269725.2	61.1	5.00	4.00
4.65	NO							
L0159852		0	0.12747E-03	663584.5	4269733.8	61.1	5.00	4.00
4.65	NO							
L0159853		0	0.12747E-03	663583.5	4269742.3	61.3	5.00	4.00
4.65	NO							
L0159854		0	0.12747E-03	663582.4	4269750.8	61.5	5.00	4.00
4.65	NO							
L0159855		0	0.12747E-03	663581.3	4269759.4	61.6	5.00	4.00
4.65	NO							
L0159856		0	0.12747E-03	663580.3	4269767.9	61.8	5.00	4.00
4.65	NO							
L0159857		0	0.12747E-03	663579.2	4269776.4	61.9	5.00	4.00
4.65	NO							
L0159858		0	0.12747E-03	663578.1	4269785.0	62.1	5.00	4.00
4.65	NO							
L0159859		0	0.12747E-03	663577.1	4269793.5	62.2	5.00	4.00
4.65	NO							
L0159860		0	0.12747E-03	663576.0	4269802.0	61.9	5.00	4.00
4.65	NO							
L0159861		0	0.12747E-03	663574.9	4269810.6	61.7	5.00	4.00
4.65	NO							
L0159862		0	0.12747E-03	663573.9	4269819.1	61.4	5.00	4.00

4.65	NO							
L0159863		0	0.12747E-03	663572.8	4269827.6	61.2	5.00	4.00
4.65	NO							
L0159864		0	0.12747E-03	663571.7	4269836.2	60.8	5.00	4.00
4.65	NO							
L0159865		0	0.12747E-03	663570.7	4269844.7	60.5	5.00	4.00
4.65	NO							
L0159866		0	0.12747E-03	663569.6	4269853.2	60.2	5.00	4.00
4.65	NO							
L0159867		0	0.12747E-03	663568.5	4269861.8	59.9	5.00	4.00
4.65	NO							
L0159868		0	0.12747E-03	663567.5	4269870.3	59.6	5.00	4.00
4.65	NO							
L0159869		0	0.12747E-03	663566.4	4269878.8	59.3	5.00	4.00
4.65	NO							
L0159870		0	0.12747E-03	663565.3	4269887.4	59.1	5.00	4.00
4.65	NO							
L0159871		0	0.12747E-03	663564.3	4269895.9	59.0	5.00	4.00
4.65	NO							
L0159872		0	0.12747E-03	663563.2	4269904.4	58.9	5.00	4.00
4.65	NO							
L0159873		0	0.12747E-03	663562.1	4269913.0	58.8	5.00	4.00
4.65	NO							
L0159874		0	0.12747E-03	663561.1	4269921.5	58.9	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								
-----								
L0159875		0	0.12747E-03	663560.0	4269930.0	59.2	5.00	4.00
4.65	NO							
L0159876		0	0.12747E-03	663558.9	4269938.6	59.4	5.00	4.00
4.65	NO							
L0159877		0	0.12747E-03	663557.9	4269947.1	59.6	5.00	4.00

4.65	NO							
L0159878		0	0.12747E-03	663556.8	4269955.6	59.8	5.00	4.00
4.65	NO							
L0159879		0	0.12747E-03	663555.7	4269964.2	60.1	5.00	4.00
4.65	NO							
L0159880		0	0.12747E-03	663554.7	4269972.7	60.4	5.00	4.00
4.65	NO							
L0159881		0	0.12747E-03	663553.6	4269981.2	60.6	5.00	4.00
4.65	NO							
L0159882		0	0.12747E-03	663552.5	4269989.8	60.8	5.00	4.00
4.65	NO							
L0159883		0	0.12747E-03	663551.5	4269998.3	61.0	5.00	4.00
4.65	NO							
L0159884		0	0.12747E-03	663550.4	4270006.8	61.2	5.00	4.00
4.65	NO							
L0159885		0	0.12747E-03	663549.3	4270015.4	61.3	5.00	4.00
4.65	NO							
L0159886		0	0.12747E-03	663548.3	4270023.9	61.4	5.00	4.00
4.65	NO							
L0159887		0	0.12747E-03	663547.2	4270032.4	61.5	5.00	4.00
4.65	NO							
L0159888		0	0.12747E-03	663546.1	4270041.0	61.6	5.00	4.00
4.65	NO							
L0159889		0	0.12747E-03	663545.1	4270049.5	61.8	5.00	4.00
4.65	NO							
L0159890		0	0.12747E-03	663544.0	4270058.0	61.9	5.00	4.00
4.65	NO							
L0159891		0	0.12747E-03	663542.9	4270066.6	62.0	5.00	4.00
4.65	NO							
L0159892		0	0.12747E-03	663541.9	4270075.1	62.4	5.00	4.00
4.65	NO							
L0159893		0	0.12747E-03	663540.8	4270083.6	62.7	5.00	4.00
4.65	NO							
L0159894		0	0.12747E-03	663539.7	4270092.2	63.1	5.00	4.00
4.65	NO							
L0159895		0	0.12747E-03	663538.7	4270100.7	63.5	5.00	4.00
4.65	NO							
L0159896		0	0.12747E-03	663537.6	4270109.2	64.0	5.00	4.00
4.65	NO							
L0159897		0	0.12747E-03	663536.5	4270117.8	64.6	5.00	4.00
4.65	NO							
L0159898		0	0.12747E-03	663535.5	4270126.3	65.0	5.00	4.00
4.65	NO							
L0159899		0	0.12747E-03	663534.4	4270134.8	65.2	5.00	4.00
4.65	NO							
L0159900		0	0.12747E-03	663533.3	4270143.4	65.2	5.00	4.00
4.65	NO							
L0159901		0	0.12747E-03	663532.3	4270151.9	65.1	5.00	4.00
4.65	NO							
L0159902		0	0.12747E-03	663531.2	4270160.4	65.0	5.00	4.00

4.65	NO							
L0159903		0	0.12747E-03	663530.1	4270169.0	64.3	5.00	4.00
4.65	NO							
L0159904		0	0.12747E-03	663529.1	4270177.5	63.5	5.00	4.00
4.65	NO							
L0159905		0	0.12747E-03	663528.0	4270186.0	62.8	5.00	4.00
4.65	NO							
L0159906		0	0.12747E-03	663526.9	4270194.6	62.1	5.00	4.00
4.65	NO							
L0159907		0	0.12747E-03	663525.9	4270203.1	61.6	5.00	4.00
4.65	NO							
L0159908		0	0.12747E-03	663524.8	4270211.6	61.1	5.00	4.00
4.65	NO							
L0159909		0	0.12747E-03	663523.7	4270220.2	60.6	5.00	4.00
4.65	NO							
L0159910		0	0.12747E-03	663522.7	4270228.7	61.2	5.00	4.00
4.65	NO							
L0159911		0	0.12747E-03	663521.6	4270237.2	62.2	5.00	4.00
4.65	NO							
L0159912		0	0.12747E-03	663520.5	4270245.8	63.1	5.00	4.00
4.65	NO							
L0159913		0	0.12747E-03	663519.5	4270254.3	64.1	5.00	4.00
4.65	NO							
L0159914		0	0.12747E-03	663518.4	4270262.8	64.9	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0159915		0	0.12747E-03	663517.3	4270271.4	65.7	5.00	4.00
4.65	NO							
L0159916		0	0.12747E-03	663516.3	4270279.9	66.4	5.00	4.00
4.65	NO							
L0159917		0	0.12747E-03	663515.2	4270288.4	66.7	5.00	4.00

4.65	NO							
L0159918		0	0.12747E-03	663514.1	4270297.0	66.7	5.00	4.00
4.65	NO							
L0159919		0	0.12747E-03	663513.1	4270305.5	66.6	5.00	4.00
4.65	NO							
L0159920		0	0.12747E-03	663508.9	4270312.7	66.2	5.00	4.00
4.65	NO							
L0159921		0	0.12747E-03	663503.3	4270319.1	65.5	5.00	4.00
4.65	NO							
L0159922		0	0.12747E-03	663497.6	4270325.6	64.8	5.00	4.00
4.65	NO							
L0159923		0	0.12747E-03	663492.0	4270332.1	64.0	5.00	4.00
4.65	NO							
L0159924		0	0.12747E-03	663486.3	4270338.6	63.1	5.00	4.00
4.65	NO							
L0159925		0	0.12747E-03	663480.6	4270345.0	62.3	5.00	4.00
4.65	NO							
L0159926		0	0.12747E-03	663475.0	4270351.5	61.7	5.00	4.00
4.65	NO							
L0159927		0	0.12747E-03	663469.3	4270358.0	61.1	5.00	4.00
4.65	NO							
L0159928		0	0.12747E-03	663463.6	4270364.4	60.4	5.00	4.00
4.65	NO							
L0159929		0	0.12747E-03	663458.0	4270370.9	59.5	5.00	4.00
4.65	NO							
L0159930		0	0.12747E-03	663452.3	4270377.4	58.3	5.00	4.00
4.65	NO							
L0159931		0	0.12747E-03	663446.7	4270383.9	56.8	5.00	4.00
4.65	NO							
L0159932		0	0.12747E-03	663441.0	4270390.3	55.4	5.00	4.00
4.65	NO							
L0159933		0	0.12747E-03	663435.3	4270396.8	54.1	5.00	4.00
4.65	NO							
L0159934		0	0.12747E-03	663429.7	4270403.3	53.5	5.00	4.00
4.65	NO							
L0159935		0	0.12747E-03	663424.0	4270409.8	53.3	5.00	4.00
4.65	NO							
L0159936		0	0.12747E-03	663418.3	4270416.2	53.2	5.00	4.00
4.65	NO							
L0159937		0	0.12747E-03	663412.7	4270422.7	53.3	5.00	4.00
4.65	NO							
L0159938		0	0.12747E-03	663407.0	4270429.2	53.6	5.00	4.00
4.65	NO							
L0159939		0	0.12747E-03	663401.3	4270435.6	54.0	5.00	4.00
4.65	NO							
L0159940		0	0.12747E-03	663395.7	4270442.1	55.0	5.00	4.00
4.65	NO							
L0159941		0	0.12747E-03	663390.0	4270448.6	56.1	5.00	4.00
4.65	NO							
L0159942		0	0.12747E-03	663384.4	4270455.1	57.2	5.00	4.00

4.65	NO							
L0159943		0	0.12747E-03	663378.7	4270461.5	58.0	5.00	4.00
4.65	NO							
L0159944		0	0.12747E-03	663373.0	4270468.0	58.7	5.00	4.00
4.65	NO							
L0159945		0	0.12747E-03	663367.4	4270474.5	59.7	5.00	4.00
4.65	NO							
L0159946		0	0.12747E-03	663361.7	4270480.9	60.6	5.00	4.00
4.65	NO							
L0159947		0	0.12747E-03	663356.0	4270487.4	61.4	5.00	4.00
4.65	NO							
L0159948		0	0.12747E-03	663350.4	4270493.9	61.9	5.00	4.00
4.65	NO							
L0159949		0	0.12747E-03	663344.7	4270500.4	62.3	5.00	4.00
4.65	NO							
L0159950		0	0.12747E-03	663339.1	4270506.8	62.7	5.00	4.00
4.65	NO							
L0159951		0	0.12747E-03	663333.4	4270513.3	63.3	5.00	4.00
4.65	NO							
L0159952		0	0.12747E-03	663327.7	4270519.8	64.1	5.00	4.00
4.65	NO							
L0159953		0	0.12747E-03	663322.1	4270526.3	64.5	5.00	4.00
4.65	NO							
L0159954		0	0.12747E-03	663316.4	4270532.7	65.0	5.00	4.00

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 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								
L0159955		0	0.12747E-03	663310.7	4270539.2	65.5	5.00	4.00
4.65	NO							
L0159956		0	0.12747E-03	663305.1	4270545.7	66.4	5.00	4.00
4.65	NO							
L0159957		0	0.12747E-03	663299.4	4270552.1	67.3	5.00	4.00

4.65	NO							
L0159958		0	0.12747E-03	663293.7	4270558.6	68.1	5.00	4.00
4.65	NO							
L0159959		0	0.12747E-03	663288.1	4270565.1	69.0	5.00	4.00
4.65	NO							
L0159960		0	0.12747E-03	663282.4	4270571.6	69.9	5.00	4.00
4.65	NO							
L0159961		0	0.12747E-03	663281.0	4270580.0	70.7	5.00	4.00
4.65	NO							
L0159962		0	0.12747E-03	663280.0	4270588.5	71.6	5.00	4.00
4.65	NO							
L0159963		0	0.12747E-03	663278.9	4270597.0	72.3	5.00	4.00
4.65	NO							
L0159964		0	0.12747E-03	663277.8	4270605.5	73.0	5.00	4.00
4.65	NO							
L0159965		0	0.12747E-03	663276.7	4270614.1	73.7	5.00	4.00
4.65	NO							
L0159966		0	0.12747E-03	663275.7	4270622.6	74.3	5.00	4.00
4.65	NO							
L0159967		0	0.12747E-03	663274.6	4270631.1	74.8	5.00	4.00
4.65	NO							
L0159968		0	0.12747E-03	663273.5	4270639.7	75.2	5.00	4.00
4.65	NO							
L0159969		0	0.12747E-03	663272.5	4270648.2	75.7	5.00	4.00
4.65	NO							
L0159970		0	0.12747E-03	663271.4	4270656.7	75.8	5.00	4.00
4.65	NO							
L0159971		0	0.12747E-03	663270.3	4270665.3	75.8	5.00	4.00
4.65	NO							
L0159972		0	0.12747E-03	663269.2	4270673.8	75.9	5.00	4.00
4.65	NO							
L0159973		0	0.12747E-03	663268.2	4270682.3	75.9	5.00	4.00
4.65	NO							
L0159974		0	0.12747E-03	663267.1	4270690.9	75.8	5.00	4.00
4.65	NO							
L0159975		0	0.12747E-03	663266.0	4270699.4	75.7	5.00	4.00
4.65	NO							
L0159976		0	0.12747E-03	663264.9	4270707.9	75.6	5.00	4.00
4.65	NO							
L0159977		0	0.12747E-03	663263.9	4270716.5	75.4	5.00	4.00
4.65	NO							
L0159978		0	0.12747E-03	663262.8	4270725.0	75.2	5.00	4.00
4.65	NO							
L0159979		0	0.12747E-03	663261.7	4270733.5	74.9	5.00	4.00
4.65	NO							
L0159980		0	0.12747E-03	663260.6	4270742.1	74.6	5.00	4.00
4.65	NO							
L0159981		0	0.12747E-03	663259.6	4270750.6	74.1	5.00	4.00
4.65	NO							
L0159982		0	0.12747E-03	663258.5	4270759.1	73.6	5.00	4.00

4.65	NO							
L0159983		0	0.12747E-03	663257.4	4270767.7	73.1	5.00	4.00
4.65	NO							
L0159984		0	0.12747E-03	663256.3	4270776.2	72.4	5.00	4.00
4.65	NO							
L0159985		0	0.12747E-03	663255.3	4270784.7	71.6	5.00	4.00
4.65	NO							
L0159986		0	0.12747E-03	663254.2	4270793.3	70.8	5.00	4.00
4.65	NO							
L0159987		0	0.12747E-03	663253.1	4270801.8	70.1	5.00	4.00
4.65	NO							
L0159988		0	0.12747E-03	663252.1	4270810.3	68.9	5.00	4.00
4.65	NO							
L0159989		0	0.12747E-03	663251.0	4270818.9	67.6	5.00	4.00
4.65	NO							
L0159990		0	0.12747E-03	663249.9	4270827.4	66.4	5.00	4.00
4.65	NO							
L0159991		0	0.12747E-03	663248.8	4270835.9	65.2	5.00	4.00
4.65	NO							
L0159992		0	0.12747E-03	663247.8	4270844.5	64.1	5.00	4.00
4.65	NO							
L0159993		0	0.12747E-03	663246.7	4270853.0	63.0	5.00	4.00
4.65	NO							
L0159994		0	0.12747E-03	663245.6	4270861.5	61.9	5.00	4.00

\*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					
-----								
L0159995		0	0.12747E-03	663244.5	4270870.1	61.2	5.00	4.00
4.65	NO							
L0159996		0	0.12747E-03	663243.5	4270878.6	60.8	5.00	4.00
4.65	NO							
L0159997		0	0.12747E-03	663242.4	4270887.1	60.3	5.00	4.00



4.65	NO							
L0159998		0	0.12747E-03	663241.3	4270895.7	59.9	5.00	4.00
4.65	NO							
L0159999		0	0.12747E-03	663240.2	4270904.2	60.1	5.00	4.00
4.65	NO							
L0160000		0	0.12747E-03	663239.2	4270912.7	60.3	5.00	4.00
4.65	NO							
L0160001		0	0.12747E-03	663238.1	4270921.3	60.4	5.00	4.00
4.65	NO							
L0160002		0	0.12747E-03	663237.0	4270929.8	60.8	5.00	4.00
4.65	NO							
L0160003		0	0.12747E-03	663235.9	4270938.3	61.4	5.00	4.00
4.65	NO							
L0160004		0	0.12747E-03	663234.9	4270946.9	62.1	5.00	4.00
4.65	NO							
L0160005		0	0.12747E-03	663233.8	4270955.4	62.7	5.00	4.00
4.65	NO							
L0160006		0	0.12747E-03	663232.7	4270963.9	63.3	5.00	4.00
4.65	NO							
L0160007		0	0.12747E-03	663231.7	4270972.5	63.8	5.00	4.00
4.65	NO							
L0160008		0	0.12747E-03	663230.6	4270981.0	64.4	5.00	4.00
4.65	NO							
L0160009		0	0.12747E-03	663229.5	4270989.5	64.5	5.00	4.00
4.65	NO							
L0160010		0	0.12747E-03	663228.4	4270998.1	63.5	5.00	4.00
4.65	NO							
L0160011		0	0.12747E-03	663227.4	4271006.6	62.6	5.00	4.00
4.65	NO							
L0160012		0	0.12747E-03	663226.3	4271015.1	61.6	5.00	4.00
4.65	NO							
L0160013		0	0.12747E-03	663225.2	4271023.7	61.1	5.00	4.00
4.65	NO							
L0160014		0	0.12747E-03	663224.1	4271032.2	60.8	5.00	4.00
4.65	NO							
L0160015		0	0.12747E-03	663223.1	4271040.7	60.5	5.00	4.00
4.65	NO							
L0160016		0	0.12747E-03	663222.0	4271049.3	60.2	5.00	4.00
4.65	NO							
L0160017		0	0.12747E-03	663220.9	4271057.8	61.1	5.00	4.00
4.65	NO							
L0160018		0	0.12747E-03	663219.8	4271066.3	61.9	5.00	4.00
4.65	NO							
L0160019		0	0.12747E-03	663218.8	4271074.8	62.8	5.00	4.00
4.65	NO							
L0160020		0	0.12747E-03	663217.7	4271083.4	63.8	5.00	4.00
4.65	NO							
L0160021		0	0.12747E-03	663216.6	4271091.9	64.8	5.00	4.00
4.65	NO							
L0160022		0	0.12747E-03	663215.5	4271100.4	65.8	5.00	4.00

4.65	NO							
L0160023		0	0.12747E-03	663214.5	4271109.0	66.9	5.00	4.00
4.65	NO							
L0160024		0	0.12747E-03	663213.4	4271117.5	67.6	5.00	4.00
4.65	NO							
L0160025		0	0.12747E-03	663212.3	4271126.0	68.2	5.00	4.00
4.65	NO							
L0160026		0	0.12747E-03	663211.3	4271134.6	68.9	5.00	4.00
4.65	NO							
L0160027		0	0.12747E-03	663210.2	4271143.1	69.6	5.00	4.00
4.65	NO							
L0160028		0	0.12747E-03	663209.1	4271151.6	70.3	5.00	4.00
4.65	NO							
L0160029		0	0.12747E-03	663208.0	4271160.2	70.9	5.00	4.00
4.65	NO							
L0160030		0	0.12747E-03	663207.0	4271168.7	71.6	5.00	4.00
4.65	NO							
L0160031		0	0.12747E-03	663205.9	4271177.2	71.7	5.00	4.00
4.65	NO							
L0160032		0	0.12747E-03	663204.8	4271185.8	71.5	5.00	4.00
4.65	NO							
L0160033		0	0.12747E-03	663203.7	4271194.3	71.2	5.00	4.00
4.65	NO							
L0160034		0	0.12747E-03	663202.7	4271202.8	71.0	5.00	4.00

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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0160035		0	0.12747E-03	663201.6	4271211.4	70.3	5.00	4.00
4.65	NO							
L0160036		0	0.12747E-03	663200.5	4271219.9	69.6	5.00	4.00
4.65	NO							
L0160037		0	0.12747E-03	663199.4	4271228.4	68.9	5.00	4.00

4.65	NO							
L0160038		0	0.12747E-03	663198.4	4271237.0	68.7	5.00	4.00
4.65	NO							
L0160039		0	0.12747E-03	663197.3	4271245.5	69.1	5.00	4.00
4.65	NO							
L0160040		0	0.12747E-03	663196.2	4271254.0	69.5	5.00	4.00
4.65	NO							
L0160041		0	0.12747E-03	663195.1	4271262.6	70.0	5.00	4.00
4.65	NO							
L0160042		0	0.12747E-03	663194.1	4271271.1	70.6	5.00	4.00
4.65	NO							
L0160043		0	0.12747E-03	663193.0	4271279.6	71.3	5.00	4.00
4.65	NO							
L0160044		0	0.12747E-03	663191.9	4271288.2	72.1	5.00	4.00
4.65	NO							
L0160045		0	0.12747E-03	663190.9	4271296.7	72.4	5.00	4.00
4.65	NO							
L0160046		0	0.12747E-03	663189.8	4271305.2	71.2	5.00	4.00
4.65	NO							
L0160047		0	0.12747E-03	663188.7	4271313.8	70.0	5.00	4.00
4.65	NO							
L0160048		0	0.12747E-03	663187.6	4271322.3	68.9	5.00	4.00
4.65	NO							
L0160049		0	0.12747E-03	663186.6	4271330.8	67.3	5.00	4.00
4.65	NO							
L0160050		0	0.12747E-03	663185.5	4271339.4	65.5	5.00	4.00
4.65	NO							
L0160051		0	0.12747E-03	663184.4	4271347.9	63.5	5.00	4.00
4.65	NO							
L0160052		0	0.12747E-03	663183.3	4271356.4	61.5	5.00	4.00
4.65	NO							
L0160053		0	0.12747E-03	663182.3	4271365.0	61.7	5.00	4.00
4.65	NO							
L0160054		0	0.12747E-03	663181.2	4271373.5	61.8	5.00	4.00
4.65	NO							
L0160055		0	0.12747E-03	663180.1	4271382.0	62.0	5.00	4.00
4.65	NO							
L0160056		0	0.12747E-03	663179.0	4271390.6	62.1	5.00	4.00
4.65	NO							
L0160057		0	0.12747E-03	663178.0	4271399.1	62.2	5.00	4.00
4.65	NO							
L0160058		0	0.12747E-03	663176.9	4271407.6	62.3	5.00	4.00
4.65	NO							
L0160059		0	0.12747E-03	663175.8	4271416.2	62.5	5.00	4.00
4.65	NO							
L0160060		0	0.12747E-03	663174.7	4271424.7	62.4	5.00	4.00
4.65	NO							
L0160061		0	0.12747E-03	663173.7	4271433.2	62.4	5.00	4.00
4.65	NO							
L0160062		0	0.12747E-03	663172.6	4271441.8	62.4	5.00	4.00

4.65	NO							
L0160063		0	0.12747E-03	663171.5	4271450.3	62.3	5.00	4.00
4.65	NO							
L0160064		0	0.12747E-03	663170.5	4271458.8	62.3	5.00	4.00
4.65	NO							
L0160065		0	0.12747E-03	663169.4	4271467.4	62.4	5.00	4.00
4.65	NO							
L0160066		0	0.12747E-03	663168.3	4271475.9	62.5	5.00	4.00
4.65	NO							
L0160067		0	0.12747E-03	663167.2	4271484.4	62.7	5.00	4.00
4.65	NO							
L0160068		0	0.12747E-03	663166.2	4271493.0	63.0	5.00	4.00
4.65	NO							
L0160069		0	0.12747E-03	663165.1	4271501.5	63.3	5.00	4.00
4.65	NO							
L0160070		0	0.12747E-03	663164.0	4271510.0	63.7	5.00	4.00
4.65	NO							
L0160071		0	0.12747E-03	663162.9	4271518.5	63.8	5.00	4.00
4.65	NO							
L0160072		0	0.12747E-03	663161.9	4271527.1	63.8	5.00	4.00
4.65	NO							
L0160073		0	0.12747E-03	663160.8	4271535.6	63.9	5.00	4.00
4.65	NO							
L0160074		0	0.12747E-03	663159.7	4271544.1	64.0	5.00	4.00

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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0160075		0	0.12747E-03	663158.6	4271552.7	64.2	5.00	4.00
4.65	NO							
L0160076		0	0.12747E-03	663157.6	4271561.2	64.3	5.00	4.00
4.65	NO							
L0160077		0	0.12747E-03	663154.2	4271567.3	64.5	5.00	4.00

4.65	NO							
L0160078		0	0.12747E-03	663145.6	4271567.6	64.9	5.00	4.00
4.65	NO							
L0160079		0	0.12747E-03	663137.1	4271568.0	65.8	5.00	4.00
4.65	NO							
L0160080		0	0.12747E-03	663128.5	4271568.3	66.7	5.00	4.00
4.65	NO							
L0160081		0	0.12747E-03	663119.9	4271568.7	67.5	5.00	4.00
4.65	NO							
L0160082		0	0.12747E-03	663111.3	4271569.0	68.5	5.00	4.00
4.65	NO							
L0160083		0	0.12747E-03	663102.7	4271569.4	69.5	5.00	4.00
4.65	NO							
L0160084		0	0.12747E-03	663094.1	4271569.7	70.4	5.00	4.00
4.65	NO							
L0160085		0	0.12747E-03	663085.5	4271570.0	71.2	5.00	4.00
4.65	NO							
L0160086		0	0.12747E-03	663076.9	4271570.4	72.0	5.00	4.00
4.65	NO							
L0160087		0	0.12747E-03	663068.3	4271570.7	72.8	5.00	4.00
4.65	NO							
L0160088		0	0.12747E-03	663059.7	4271571.1	73.5	5.00	4.00
4.65	NO							
L0160089		0	0.12747E-03	663051.1	4271571.4	74.2	5.00	4.00
4.65	NO							
L0160090		0	0.12747E-03	663042.5	4271571.8	74.3	5.00	4.00
4.65	NO							
L0160091		0	0.12747E-03	663033.9	4271572.1	74.0	5.00	4.00
4.65	NO							
L0160092		0	0.12747E-03	663025.3	4271572.4	73.8	5.00	4.00
4.65	NO							
L0160093		0	0.12747E-03	663016.8	4271572.8	73.2	5.00	4.00
4.65	NO							
L0160094		0	0.12747E-03	663008.2	4271573.1	72.5	5.00	4.00
4.65	NO							
L0160095		0	0.12747E-03	662999.6	4271573.5	71.9	5.00	4.00
4.65	NO							
L0160096		0	0.12747E-03	662991.7	4271574.8	71.6	5.00	4.00
4.65	NO							
L0160097		0	0.12747E-03	662988.7	4271582.9	71.6	5.00	4.00
4.65	NO							
L0160098		0	0.12747E-03	662985.7	4271590.9	71.7	5.00	4.00
4.65	NO							
L0160099		0	0.12747E-03	662982.7	4271599.0	71.8	5.00	4.00
4.65	NO							
L0160100		0	0.12747E-03	662979.7	4271607.0	71.4	5.00	4.00
4.65	NO							
L0160101		0	0.12747E-03	662976.7	4271615.1	71.0	5.00	4.00
4.65	NO							
L0160102		0	0.12747E-03	662973.8	4271623.2	70.6	5.00	4.00

4.65	NO							
L0160103		0	0.12747E-03	662970.8	4271631.2	70.2	5.00	4.00
4.65	NO							
L0160104		0	0.12747E-03	662967.8	4271639.3	69.8	5.00	4.00
4.65	NO							
L0160105		0	0.12747E-03	662964.8	4271647.4	69.3	5.00	4.00
4.65	NO							
L0160106		0	0.12747E-03	662961.8	4271655.4	68.9	5.00	4.00
4.65	NO							
L0160107		0	0.12747E-03	662958.8	4271663.5	68.5	5.00	4.00
4.65	NO							
L0160108		0	0.12747E-03	662955.8	4271671.6	68.4	5.00	4.00
4.65	NO							
L0160109		0	0.12747E-03	662952.8	4271679.6	68.2	5.00	4.00
4.65	NO							
L0160110		0	0.12747E-03	662949.9	4271687.7	68.0	5.00	4.00
4.65	NO							
L0160111		0	0.12747E-03	662946.9	4271695.8	68.1	5.00	4.00
4.65	NO							
L0160112		0	0.12747E-03	662943.9	4271703.8	68.2	5.00	4.00
4.65	NO							
L0160113		0	0.12747E-03	662940.9	4271711.9	68.4	5.00	4.00
4.65	NO							
L0160114		0	0.12747E-03	662937.9	4271720.0	68.6	5.00	4.00

^ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					

L0160115		0	0.12747E-03	662934.9	4271728.0	68.9	5.00	4.00
4.65	NO							
L0160116		0	0.12747E-03	662931.9	4271736.1	69.1	5.00	4.00
4.65	NO							
L0160117		0	0.12747E-03	662929.0	4271744.1	69.4	5.00	4.00

4.65	NO							
L0160118		0	0.12747E-03	662926.0	4271752.2	69.7	5.00	4.00
4.65	NO							
L0160119		0	0.12747E-03	662923.0	4271760.3	69.7	5.00	4.00
4.65	NO							
L0160120		0	0.12747E-03	662920.0	4271768.3	69.6	5.00	4.00
4.65	NO							
L0160121		0	0.12747E-03	662917.0	4271776.4	69.5	5.00	4.00
4.65	NO							
L0160122		0	0.12747E-03	662914.0	4271784.5	69.3	5.00	4.00
4.65	NO							
L0160123		0	0.12747E-03	662911.0	4271792.5	69.0	5.00	4.00
4.65	NO							
L0160124		0	0.12747E-03	662908.0	4271800.6	68.6	5.00	4.00
4.65	NO							
L0160125		0	0.12747E-03	662905.1	4271808.7	68.3	5.00	4.00
4.65	NO							
L0160126		0	0.12747E-03	662902.1	4271816.7	67.9	5.00	4.00
4.65	NO							
L0160127		0	0.12747E-03	662899.1	4271824.8	67.4	5.00	4.00
4.65	NO							
L0160128		0	0.12747E-03	662896.1	4271832.9	67.0	5.00	4.00
4.65	NO							
L0160129		0	0.12747E-03	662893.1	4271840.9	66.6	5.00	4.00
4.65	NO							
L0160130		0	0.12747E-03	662890.1	4271849.0	66.1	5.00	4.00
4.65	NO							
L0160131		0	0.12747E-03	662887.1	4271857.1	65.6	5.00	4.00
4.65	NO							
L0160132		0	0.12747E-03	662884.1	4271865.1	65.1	5.00	4.00
4.65	NO							
L0160133		0	0.12747E-03	662881.2	4271873.2	64.5	5.00	4.00
4.65	NO							
L0160134		0	0.12747E-03	662878.2	4271881.2	64.4	5.00	4.00
4.65	NO							
L0160135		0	0.12747E-03	662875.2	4271889.3	64.3	5.00	4.00
4.65	NO							
L0160136		0	0.12747E-03	662872.2	4271897.4	64.1	5.00	4.00
4.65	NO							
L0160137		0	0.12747E-03	662869.2	4271905.4	63.9	5.00	4.00
4.65	NO							
L0160138		0	0.12747E-03	662866.2	4271913.5	63.9	5.00	4.00
4.65	NO							
L0160139		0	0.12747E-03	662863.2	4271921.6	63.8	5.00	4.00
4.65	NO							
L0160140		0	0.12747E-03	662860.3	4271929.6	63.7	5.00	4.00
4.65	NO							
L0160141		0	0.12747E-03	662851.7	4271929.3	63.1	5.00	4.00
4.65	NO							
L0160142		0	0.12747E-03	662843.1	4271928.8	62.6	5.00	4.00

4.65	NO							
L0160143		0	0.12747E-03	662834.5	4271928.4	62.4	5.00	4.00
4.65	NO							
L0160144		0	0.12747E-03	662825.9	4271928.0	62.2	5.00	4.00
4.65	NO							
L0160145		0	0.12747E-03	662817.3	4271927.5	62.0	5.00	4.00
4.65	NO							
L0160146		0	0.12747E-03	662808.7	4271927.1	61.7	5.00	4.00
4.65	NO							
L0160147		0	0.12747E-03	662800.2	4271926.7	61.5	5.00	4.00
4.65	NO							
L0160148		0	0.12747E-03	662791.6	4271926.2	61.1	5.00	4.00
4.65	NO							
L0160149		0	0.12747E-03	662783.0	4271925.8	60.8	5.00	4.00
4.65	NO							
L0160150		0	0.12747E-03	662774.4	4271925.4	60.4	5.00	4.00
4.65	NO							
L0160151		0	0.12747E-03	662765.8	4271925.0	60.2	5.00	4.00
4.65	NO							
L0160152		0	0.12747E-03	662757.2	4271924.5	60.1	5.00	4.00
4.65	NO							
L0160153		0	0.12747E-03	662748.6	4271924.1	60.0	5.00	4.00
4.65	NO							
L0160154		0	0.12747E-03	662740.0	4271923.7	60.1	5.00	4.00

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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0160155		0	0.12747E-03	662731.4	4271923.2	60.2	5.00	4.00
4.65	NO							
L0160156		0	0.12747E-03	662728.6	4271917.5	60.3	5.00	4.00
4.65	NO							
L0160157		0	0.12747E-03	662728.8	4271908.9	60.4	5.00	4.00



4.65	NO							
L0160158		0	0.12747E-03	662729.0	4271900.3	60.5	5.00	4.00
4.65	NO							
L0160159		0	0.12747E-03	662729.2	4271891.7	60.5	5.00	4.00
4.65	NO							
L0160160		0	0.12747E-03	662729.4	4271883.1	60.6	5.00	4.00
4.65	NO							
L0160161		0	0.12747E-03	662729.6	4271874.5	60.7	5.00	4.00
4.65	NO							
L0160162		0	0.12747E-03	662729.8	4271865.9	60.7	5.00	4.00
4.65	NO							
L0160163		0	0.12747E-03	662730.0	4271857.3	60.6	5.00	4.00
4.65	NO							
L0160164		0	0.12747E-03	662730.3	4271848.7	60.6	5.00	4.00
4.65	NO							
L0160165		0	0.12747E-03	662730.5	4271840.1	60.5	5.00	4.00
4.65	NO							
L0160166		0	0.12747E-03	662730.7	4271831.5	60.3	5.00	4.00
4.65	NO							
L0160167		0	0.12747E-03	662730.9	4271822.9	60.2	5.00	4.00
4.65	NO							
L0160168		0	0.12747E-03	662731.1	4271814.3	60.1	5.00	4.00
4.65	NO							
L0160169		0	0.12747E-03	662731.3	4271805.7	60.1	5.00	4.00
4.65	NO							
L0160170		0	0.12747E-03	662731.5	4271797.2	60.4	5.00	4.00
4.65	NO							
L0160171		0	0.12747E-03	662731.7	4271788.6	60.6	5.00	4.00
4.65	NO							
L0160172		0	0.12747E-03	662731.9	4271780.0	60.9	5.00	4.00
4.65	NO							
L0160173		0	0.12747E-03	662732.2	4271771.4	61.0	5.00	4.00
4.65	NO							
L0160174		0	0.12747E-03	662732.4	4271762.8	61.2	5.00	4.00
4.65	NO							
L0160175		0	0.12747E-03	662732.6	4271754.2	61.4	5.00	4.00
4.65	NO							
L0160176		0	0.12747E-03	662732.8	4271745.6	61.5	5.00	4.00
4.65	NO							
L0160177		0	0.12747E-03	662733.0	4271737.0	61.4	5.00	4.00
4.65	NO							
L0160178		0	0.12747E-03	662733.2	4271728.4	61.3	5.00	4.00
4.65	NO							
L0160179		0	0.12747E-03	662733.4	4271719.8	61.2	5.00	4.00
4.65	NO							
L0160180		0	0.12747E-03	662733.6	4271711.2	61.1	5.00	4.00
4.65	NO							
L0160181		0	0.12747E-03	662733.9	4271702.6	61.1	5.00	4.00
4.65	NO							
L0160182		0	0.12747E-03	662734.1	4271694.0	61.1	5.00	4.00

4.65	NO							
L0160183		0	0.12747E-03	662734.3	4271685.4	61.1	5.00	4.00
4.65	NO							
L0160184		0	0.12747E-03	662734.5	4271676.8	61.1	5.00	4.00
4.65	NO							
L0160185		0	0.12747E-03	662734.7	4271668.2	61.1	5.00	4.00
4.65	NO							
L0160186		0	0.12747E-03	662734.9	4271659.6	61.0	5.00	4.00
4.65	NO							
L0160187		0	0.12747E-03	662735.1	4271651.0	61.0	5.00	4.00
4.65	NO							
L0160188		0	0.12747E-03	662735.3	4271642.4	61.0	5.00	4.00
4.65	NO							
L0160189		0	0.12747E-03	662735.5	4271633.8	61.0	5.00	4.00
4.65	NO							
L0160190		0	0.12747E-03	662735.8	4271625.2	61.0	5.00	4.00
4.65	NO							
L0160191		0	0.12747E-03	662736.0	4271616.6	61.1	5.00	4.00
4.65	NO							
L0160192		0	0.12747E-03	662736.2	4271608.0	61.3	5.00	4.00
4.65	NO							
L0160193		0	0.12747E-03	662736.4	4271599.4	61.4	5.00	4.00
4.65	NO							
L0160194		0	0.12747E-03	662736.6	4271590.8	61.7	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0160195		0	0.12747E-03	662736.8	4271582.2	62.0	5.00	4.00
4.65	NO							
L0160196		0	0.12747E-03	662737.0	4271573.6	62.3	5.00	4.00
4.65	NO							
L0160197		0	0.12747E-03	662737.2	4271565.0	62.6	5.00	4.00

4.65	NO							
L0160198		0	0.12747E-03	662737.5	4271556.4	62.7	5.00	4.00
4.65	NO							
L0160199		0	0.12747E-03	662737.7	4271547.8	62.8	5.00	4.00
4.65	NO							
L0160200		0	0.12747E-03	662737.9	4271539.2	62.8	5.00	4.00
4.65	NO							
L0160201		0	0.12747E-03	662738.1	4271530.6	62.8	5.00	4.00
4.65	NO							
L0160202		0	0.12747E-03	662738.3	4271522.0	62.6	5.00	4.00
4.65	NO							
L0160203		0	0.12747E-03	662738.5	4271513.4	62.5	5.00	4.00
4.65	NO							
L0160204		0	0.12747E-03	662738.7	4271504.8	62.3	5.00	4.00
4.65	NO							
L0160205		0	0.12747E-03	662738.9	4271496.2	62.3	5.00	4.00
4.65	NO							
L0160206		0	0.12747E-03	662739.1	4271487.6	62.4	5.00	4.00
4.65	NO							
L0160207		0	0.12747E-03	662739.4	4271479.0	62.5	5.00	4.00
4.65	NO							
L0160208		0	0.12747E-03	662739.6	4271470.5	62.6	5.00	4.00
4.65	NO							
L0160209		0	0.12747E-03	662739.8	4271461.9	62.8	5.00	4.00
4.65	NO							
L0160210		0	0.12747E-03	662740.0	4271453.3	62.9	5.00	4.00
4.65	NO							
L0160211		0	0.12747E-03	662740.2	4271444.7	63.1	5.00	4.00
4.65	NO							
L0160212		0	0.12747E-03	662740.4	4271436.1	63.3	5.00	4.00
4.65	NO							
L0160213		0	0.12747E-03	662740.6	4271427.5	63.5	5.00	4.00
4.65	NO							
L0160214		0	0.12747E-03	662740.8	4271418.9	63.7	5.00	4.00
4.65	NO							
L0160215		0	0.12747E-03	662741.1	4271410.3	63.9	5.00	4.00
4.65	NO							
L0160216		0	0.12747E-03	662741.3	4271401.7	64.3	5.00	4.00
4.65	NO							
L0160217		0	0.12747E-03	662741.5	4271393.1	64.6	5.00	4.00
4.65	NO							
L0160218		0	0.12747E-03	662741.7	4271384.5	65.0	5.00	4.00
4.65	NO							
L0160219		0	0.12747E-03	662741.9	4271375.9	65.3	5.00	4.00
4.65	NO							
L0160220		0	0.12747E-03	662742.1	4271367.3	65.7	5.00	4.00
4.65	NO							
L0160221		0	0.12747E-03	662742.3	4271358.7	66.2	5.00	4.00
4.65	NO							
L0160222		0	0.12747E-03	662742.5	4271350.1	66.6	5.00	4.00

4.65	NO							
L0160223		0	0.12747E-03	662742.7	4271341.5	67.1	5.00	4.00
4.65	NO							
L0160224		0	0.12747E-03	662743.0	4271332.9	67.6	5.00	4.00
4.65	NO							
L0160225		0	0.12747E-03	662743.2	4271324.3	68.1	5.00	4.00
4.65	NO							
L0160226		0	0.12747E-03	662743.4	4271315.7	68.6	5.00	4.00
4.65	NO							
L0160227		0	0.12747E-03	662743.6	4271307.1	69.1	5.00	4.00
4.65	NO							
L0160228		0	0.12747E-03	662743.8	4271298.5	69.6	5.00	4.00
4.65	NO							
L0160229		0	0.12747E-03	662744.0	4271289.9	70.1	5.00	4.00
4.65	NO							
L0160230		0	0.12747E-03	662744.2	4271281.3	70.6	5.00	4.00
4.65	NO							
L0160231		0	0.12747E-03	662744.4	4271272.7	71.0	5.00	4.00
4.65	NO							
L0160232		0	0.12747E-03	662744.7	4271264.1	71.4	5.00	4.00
4.65	NO							
L0160233		0	0.12747E-03	662744.9	4271255.5	71.8	5.00	4.00
4.65	NO							
L0160234		0	0.12747E-03	662745.1	4271246.9	71.9	5.00	4.00

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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0160235		0	0.12747E-03	662745.3	4271238.3	72.1	5.00	4.00
4.65	NO							
L0160236		0	0.12747E-03	662745.5	4271229.7	72.2	5.00	4.00
4.65	NO							
L0160237		0	0.12747E-03	662745.7	4271221.1	72.3	5.00	4.00

4.65	NO							
L0160238		0	0.12747E-03	662745.9	4271212.5	72.4	5.00	4.00
4.65	NO							
L0160239		0	0.12747E-03	662746.1	4271203.9	72.5	5.00	4.00
4.65	NO							
L0160240		0	0.12747E-03	662746.3	4271195.3	72.5	5.00	4.00
4.65	NO							
L0160241		0	0.12747E-03	662746.6	4271186.7	72.7	5.00	4.00
4.65	NO							
L0160242		0	0.12747E-03	662746.8	4271178.1	72.9	5.00	4.00
4.65	NO							
L0160243		0	0.12747E-03	662747.0	4271169.5	73.0	5.00	4.00
4.65	NO							
L0160244		0	0.12747E-03	662747.2	4271160.9	73.2	5.00	4.00
4.65	NO							
L0160245		0	0.12747E-03	662747.4	4271152.3	73.3	5.00	4.00
4.65	NO							
L0160246		0	0.12747E-03	662747.6	4271143.7	73.5	5.00	4.00
4.65	NO							
L0160247		0	0.12747E-03	662747.8	4271135.2	73.6	5.00	4.00
4.65	NO							
L0160248		0	0.12747E-03	662748.0	4271126.6	73.7	5.00	4.00
4.65	NO							
L0160249		0	0.12747E-03	662748.3	4271118.0	73.7	5.00	4.00
4.65	NO							
L0160250		0	0.12747E-03	662748.5	4271109.4	73.8	5.00	4.00
4.65	NO							
L0160251		0	0.12747E-03	662748.7	4271100.8	73.9	5.00	4.00
4.65	NO							
L0160252		0	0.12747E-03	662748.9	4271092.2	73.7	5.00	4.00
4.65	NO							
L0160253		0	0.12747E-03	662749.1	4271083.6	73.5	5.00	4.00
4.65	NO							
L0160254		0	0.12747E-03	662749.3	4271075.0	73.3	5.00	4.00
4.65	NO							
L0160255		0	0.12747E-03	662749.5	4271066.4	73.0	5.00	4.00
4.65	NO							
L0160256		0	0.12747E-03	662749.7	4271057.8	72.7	5.00	4.00
4.65	NO							
L0160257		0	0.12747E-03	662749.9	4271049.2	72.4	5.00	4.00
4.65	NO							
L0160258		0	0.12747E-03	662750.2	4271040.6	72.1	5.00	4.00
4.65	NO							
L0160259		0	0.12747E-03	662750.4	4271032.0	71.9	5.00	4.00
4.65	NO							
L0160260		0	0.12747E-03	662750.6	4271023.4	71.7	5.00	4.00
4.65	NO							
L0160261		0	0.12747E-03	662750.8	4271014.8	71.5	5.00	4.00
4.65	NO							
L0160262		0	0.12747E-03	662751.0	4271006.2	71.3	5.00	4.00

4.65	NO							
L0160263		0	0.12747E-03	662751.2	4270997.6	71.1	5.00	4.00
4.65	NO							
L0160264		0	0.12747E-03	662751.4	4270989.0	71.0	5.00	4.00
4.65	NO							
L0160265		0	0.12747E-03	662751.6	4270980.4	70.8	5.00	4.00
4.65	NO							
L0160266		0	0.12747E-03	662751.9	4270971.8	70.8	5.00	4.00
4.65	NO							
L0160267		0	0.12747E-03	662752.1	4270963.2	70.9	5.00	4.00
4.65	NO							
L0160268		0	0.12747E-03	662752.3	4270954.6	71.0	5.00	4.00
4.65	NO							
L0160269		0	0.12747E-03	662752.5	4270946.0	71.1	5.00	4.00
4.65	NO							
L0160270		0	0.12747E-03	662752.7	4270937.4	71.8	5.00	4.00
4.65	NO							
L0160271		0	0.12747E-03	662752.9	4270928.8	72.6	5.00	4.00
4.65	NO							
L0160272		0	0.12747E-03	662753.1	4270920.2	73.3	5.00	4.00
4.65	NO							
L0160273		0	0.12747E-03	662753.3	4270911.6	73.8	5.00	4.00
4.65	NO							
L0160274		0	0.12747E-03	662753.5	4270903.0	74.2	5.00	4.00

\*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0160275		0	0.12747E-03	662753.8	4270894.4	74.6	5.00	4.00
4.65	NO							
L0160276		0	0.12747E-03	662754.0	4270885.8	75.0	5.00	4.00
4.65	NO							
L0160277		0	0.12747E-03	662754.2	4270877.2	75.0	5.00	4.00

4.65	NO							
L0160278		0	0.12747E-03	662754.4	4270868.6	74.9	5.00	4.00
4.65	NO							
L0160279		0	0.12747E-03	662754.6	4270860.0	74.8	5.00	4.00
4.65	NO							
L0160280		0	0.12747E-03	662754.8	4270851.4	74.6	5.00	4.00
4.65	NO							
L0160281		0	0.12747E-03	662755.0	4270842.8	74.5	5.00	4.00
4.65	NO							
L0160282		0	0.12747E-03	662755.2	4270834.2	74.3	5.00	4.00
4.65	NO							
L0160283		0	0.12747E-03	662755.5	4270825.6	74.1	5.00	4.00
4.65	NO							
L0160284		0	0.12747E-03	662755.7	4270817.0	73.9	5.00	4.00
4.65	NO							
L0160285		0	0.12747E-03	662755.9	4270808.5	73.8	5.00	4.00
4.65	NO							
L0160286		0	0.12747E-03	662756.1	4270799.9	73.6	5.00	4.00
4.65	NO							
L0160287		0	0.12747E-03	662756.3	4270791.3	73.4	5.00	4.00
4.65	NO							
L0160288		0	0.12747E-03	662756.5	4270782.7	73.0	5.00	4.00
4.65	NO							
L0160289		0	0.12747E-03	662756.7	4270774.1	72.6	5.00	4.00
4.65	NO							
L0160290		0	0.12747E-03	662756.9	4270765.5	72.1	5.00	4.00
4.65	NO							
L0160291		0	0.12747E-03	662757.1	4270756.9	71.4	5.00	4.00
4.65	NO							
L0160292		0	0.12747E-03	662757.4	4270748.3	70.5	5.00	4.00
4.65	NO							
L0160293		0	0.12747E-03	662757.6	4270739.7	69.6	5.00	4.00
4.65	NO							
L0160294		0	0.12747E-03	662757.8	4270731.1	68.6	5.00	4.00
4.65	NO							
L0160295		0	0.12747E-03	662758.0	4270722.5	67.8	5.00	4.00
4.65	NO							
L0160296		0	0.12747E-03	662758.2	4270713.9	66.9	5.00	4.00
4.65	NO							
L0160297		0	0.12747E-03	662758.4	4270705.3	66.0	5.00	4.00
4.65	NO							
L0160298		0	0.12747E-03	662758.6	4270696.7	65.4	5.00	4.00
4.65	NO							
L0160299		0	0.12747E-03	662758.8	4270688.1	65.3	5.00	4.00
4.65	NO							
L0160300		0	0.12747E-03	662759.1	4270679.5	65.2	5.00	4.00
4.65	NO							
L0160301		0	0.12747E-03	662759.3	4270670.9	65.1	5.00	4.00
4.65	NO							
L0160302		0	0.12747E-03	662759.5	4270662.3	65.7	5.00	4.00

4.65	NO							
L0160303		0	0.12747E-03	662759.7	4270653.7	66.5	5.00	4.00
4.65	NO							
L0160304		0	0.12747E-03	662759.9	4270645.1	67.3	5.00	4.00
4.65	NO							
L0160305		0	0.12747E-03	662760.1	4270636.5	68.0	5.00	4.00
4.65	NO							
L0160306		0	0.12747E-03	662760.3	4270627.9	68.4	5.00	4.00
4.65	NO							
L0160307		0	0.12747E-03	662760.5	4270619.3	68.8	5.00	4.00
4.65	NO							
L0160308		0	0.12747E-03	662760.7	4270610.7	69.2	5.00	4.00
4.65	NO							
L0160309		0	0.12747E-03	662761.0	4270602.1	69.4	5.00	4.00
4.65	NO							
L0160310		0	0.12747E-03	662761.2	4270593.5	69.5	5.00	4.00
4.65	NO							
L0160311		0	0.12747E-03	662761.6	4270585.1	69.6	5.00	4.00
4.65	NO							
L0160312		0	0.12747E-03	662770.2	4270584.5	69.7	5.00	4.00
4.65	NO							
L0160313		0	0.12747E-03	662778.8	4270583.8	69.8	5.00	4.00
4.65	NO							
L0160314		0	0.12747E-03	662787.3	4270583.1	69.3	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								
L0160315		0	0.12747E-03	662795.9	4270582.4	68.8	5.00	4.00
4.65	NO							
L0160316		0	0.12747E-03	662804.5	4270581.7	68.4	5.00	4.00
4.65	NO							
L0160317		0	0.12747E-03	662813.1	4270581.0	68.1	5.00	4.00



4.65	NO							
L0160318		0	0.12747E-03	662821.6	4270580.3	67.9	5.00	4.00
4.65	NO							
L0160319		0	0.12747E-03	662830.2	4270579.6	67.8	5.00	4.00
4.65	NO							
L0160320		0	0.12747E-03	662838.8	4270578.9	67.8	5.00	4.00
4.65	NO							
L0160321		0	0.12747E-03	662847.3	4270578.2	67.8	5.00	4.00
4.65	NO							
L0160322		0	0.12747E-03	662855.9	4270577.5	68.0	5.00	4.00
4.65	NO							
L0160323		0	0.12747E-03	662864.5	4270576.9	68.1	5.00	4.00
4.65	NO							
L0160324		0	0.12747E-03	662873.1	4270576.2	68.2	5.00	4.00
4.65	NO							
L0160325		0	0.12747E-03	662881.6	4270575.5	68.4	5.00	4.00
4.65	NO							
L0160326		0	0.12747E-03	662890.2	4270574.8	68.6	5.00	4.00
4.65	NO							
L0160327		0	0.12747E-03	662898.8	4270574.1	68.8	5.00	4.00
4.65	NO							
L0160328		0	0.12747E-03	662907.4	4270573.4	69.1	5.00	4.00
4.65	NO							
L0160329		0	0.12747E-03	662915.9	4270572.7	69.3	5.00	4.00
4.65	NO							
L0160330		0	0.12747E-03	662924.5	4270572.0	69.5	5.00	4.00
4.65	NO							
L0160331		0	0.12747E-03	662933.1	4270571.3	69.8	5.00	4.00
4.65	NO							
L0160332		0	0.12747E-03	662941.6	4270570.6	70.1	5.00	4.00
4.65	NO							
L0160333		0	0.12747E-03	662950.2	4270569.9	70.3	5.00	4.00
4.65	NO							
L0160334		0	0.12747E-03	662958.8	4270569.2	70.6	5.00	4.00
4.65	NO							
L0160335		0	0.12747E-03	662967.4	4270568.6	70.9	5.00	4.00
4.65	NO							
L0160336		0	0.12747E-03	662975.9	4270567.9	71.1	5.00	4.00
4.65	NO							
L0160337		0	0.12747E-03	662984.5	4270567.2	71.5	5.00	4.00
4.65	NO							
L0160338		0	0.12747E-03	662993.1	4270566.5	71.8	5.00	4.00
4.65	NO							
L0160339		0	0.12747E-03	663001.6	4270565.8	72.0	5.00	4.00
4.65	NO							
L0160340		0	0.12747E-03	663010.2	4270565.1	72.2	5.00	4.00
4.65	NO							
L0160341		0	0.12747E-03	663018.8	4270564.4	72.5	5.00	4.00
4.65	NO							
L0160342		0	0.12747E-03	663027.4	4270563.7	72.5	5.00	4.00

4.65	NO							
L0160343		0	0.12747E-03	663035.9	4270563.0	72.5	5.00	4.00
4.65	NO							
L0160344		0	0.12747E-03	663044.5	4270562.3	72.4	5.00	4.00
4.65	NO							
L0160345		0	0.12747E-03	663053.1	4270561.6	72.0	5.00	4.00
4.65	NO							
L0160346		0	0.12747E-03	663061.6	4270561.0	71.7	5.00	4.00
4.65	NO							
L0160347		0	0.12747E-03	663070.2	4270560.3	71.3	5.00	4.00
4.65	NO							
L0160348		0	0.12747E-03	663078.8	4270559.6	70.8	5.00	4.00
4.65	NO							
L0160349		0	0.12747E-03	663087.4	4270558.9	70.3	5.00	4.00
4.65	NO							
L0160350		0	0.12747E-03	663095.9	4270558.2	69.8	5.00	4.00
4.65	NO							
L0160351		0	0.12747E-03	663104.5	4270557.5	69.1	5.00	4.00
4.65	NO							
L0160352		0	0.12747E-03	663113.1	4270556.8	68.5	5.00	4.00
4.65	NO							
L0160353		0	0.12747E-03	663121.7	4270556.1	67.9	5.00	4.00
4.65	NO							
L0160354		0	0.12747E-03	663130.2	4270555.4	67.4	5.00	4.00

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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					

L0160355		0	0.12747E-03	663138.8	4270554.7	66.9	5.00	4.00
4.65	NO							
L0160356		0	0.12747E-03	663147.4	4270554.0	67.1	5.00	4.00
4.65	NO							
L0160357		0	0.12747E-03	663155.9	4270553.3	67.7	5.00	4.00

4.65	NO							
L0160358		0	0.12747E-03	663164.5	4270552.7	68.3	5.00	4.00
4.65	NO							
L0160359		0	0.12747E-03	663169.6	4270555.3	68.8	5.00	4.00
4.65	NO							
L0160360		0	0.12747E-03	663168.6	4270563.8	69.1	5.00	4.00
4.65	NO							
L0160361		0	0.12747E-03	663167.6	4270572.4	69.3	5.00	4.00
4.65	NO							
L0160362		0	0.12747E-03	663166.6	4270580.9	69.6	5.00	4.00
4.65	NO							
L0160363		0	0.12747E-03	663165.7	4270589.5	69.8	5.00	4.00
4.65	NO							
L0160364		0	0.12747E-03	663164.7	4270598.0	70.1	5.00	4.00
4.65	NO							
L0160365		0	0.12747E-03	663163.7	4270606.5	70.4	5.00	4.00
4.65	NO							
L0160366		0	0.12747E-03	663162.7	4270615.1	70.7	5.00	4.00
4.65	NO							
L0160367		0	0.12747E-03	663161.7	4270623.6	71.0	5.00	4.00
4.65	NO							
L0160368		0	0.12747E-03	663160.7	4270632.2	71.2	5.00	4.00
4.65	NO							
L0160369		0	0.12747E-03	663159.7	4270640.7	71.5	5.00	4.00
4.65	NO							
L0160370		0	0.12747E-03	663158.7	4270649.3	71.8	5.00	4.00
4.65	NO							
L0160371		0	0.12747E-03	663157.7	4270657.8	72.1	5.00	4.00
4.65	NO							
L0160372		0	0.12747E-03	663156.7	4270666.3	72.4	5.00	4.00
4.65	NO							
L0160373		0	0.12747E-03	663155.7	4270674.9	72.8	5.00	4.00
4.65	NO							
L0160374		0	0.12747E-03	663154.7	4270683.4	73.1	5.00	4.00
4.65	NO							
L0160375		0	0.12747E-03	663153.7	4270692.0	73.4	5.00	4.00
4.65	NO							
L0160376		0	0.12747E-03	663152.7	4270700.5	73.7	5.00	4.00
4.65	NO							
L0160377		0	0.12747E-03	663151.7	4270709.0	74.1	5.00	4.00
4.65	NO							
L0160378		0	0.12747E-03	663150.7	4270717.6	74.5	5.00	4.00
4.65	NO							
L0160379		0	0.12747E-03	663149.7	4270726.1	74.9	5.00	4.00
4.65	NO							
L0160380		0	0.12747E-03	663148.7	4270734.7	75.3	5.00	4.00
4.65	NO							
L0160381		0	0.12747E-03	663147.7	4270743.2	75.8	5.00	4.00
4.65	NO							
L0160382		0	0.12747E-03	663146.7	4270751.8	76.2	5.00	4.00

4.65	NO							
L0160383		0	0.12747E-03	663145.7	4270760.3	76.6	5.00	4.00
4.65	NO							
L0160384		0	0.12747E-03	663144.7	4270768.8	77.1	5.00	4.00
4.65	NO							
L0160385		0	0.12747E-03	663143.7	4270777.4	77.3	5.00	4.00
4.65	NO							
L0160386		0	0.12747E-03	663142.7	4270785.9	77.6	5.00	4.00
4.65	NO							
L0160387		0	0.12747E-03	663141.7	4270794.5	78.0	5.00	4.00
4.65	NO							
L0160388		0	0.12747E-03	663140.7	4270803.0	78.1	5.00	4.00
4.65	NO							
L0160389		0	0.12747E-03	663139.7	4270811.5	78.0	5.00	4.00
4.65	NO							
L0160390		0	0.12747E-03	663138.7	4270820.1	77.9	5.00	4.00
4.65	NO							
L0160391		0	0.12747E-03	663137.7	4270828.6	77.9	5.00	4.00
4.65	NO							
L0160392		0	0.12747E-03	663136.7	4270837.2	77.9	5.00	4.00
4.65	NO							
L0160393		0	0.12747E-03	663135.7	4270845.7	77.9	5.00	4.00
4.65	NO							
L0160394		0	0.12747E-03	663134.7	4270854.3	78.0	5.00	4.00

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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					

L0160395		0	0.12747E-03	663133.7	4270862.8	78.1	5.00	4.00
4.65	NO							
L0160396		0	0.12747E-03	663132.7	4270871.3	78.4	5.00	4.00
4.65	NO							
L0160397		0	0.12747E-03	663131.7	4270879.9	78.8	5.00	4.00

4.65	NO							
L0160398		0	0.12747E-03	663130.7	4270888.4	79.1	5.00	4.00
4.65	NO							
L0160399		0	0.12747E-03	663129.7	4270897.0	79.2	5.00	4.00
4.65	NO							
L0160400		0	0.12747E-03	663128.7	4270905.5	79.0	5.00	4.00
4.65	NO							
L0160401		0	0.12747E-03	663127.7	4270914.1	78.7	5.00	4.00
4.65	NO							
L0160402		0	0.12747E-03	663126.7	4270922.6	78.4	5.00	4.00
4.65	NO							
L0160403		0	0.12747E-03	663125.7	4270931.1	76.7	5.00	4.00
4.65	NO							
L0160404		0	0.12747E-03	663124.7	4270939.7	74.9	5.00	4.00
4.65	NO							
L0160405		0	0.12747E-03	663123.8	4270948.2	73.0	5.00	4.00
4.65	NO							
L0160406		0	0.12747E-03	663122.8	4270956.8	71.2	5.00	4.00
4.65	NO							
L0160407		0	0.12747E-03	663121.8	4270965.3	69.6	5.00	4.00
4.65	NO							
L0160408		0	0.12747E-03	663120.8	4270973.8	68.0	5.00	4.00
4.65	NO							
L0160409		0	0.12747E-03	663119.8	4270982.4	66.4	5.00	4.00
4.65	NO							
L0160410		0	0.12747E-03	663118.8	4270990.9	65.4	5.00	4.00
4.65	NO							
L0160411		0	0.12747E-03	663117.8	4270999.5	64.7	5.00	4.00
4.65	NO							
L0160412		0	0.12747E-03	663116.8	4271008.0	63.9	5.00	4.00
4.65	NO							
L0160413		0	0.12747E-03	663115.8	4271016.6	63.2	5.00	4.00
4.65	NO							
L0160414		0	0.12747E-03	663114.8	4271025.1	63.0	5.00	4.00
4.65	NO							
L0160415		0	0.12747E-03	663113.8	4271033.6	62.9	5.00	4.00
4.65	NO							
L0160416		0	0.12747E-03	663112.8	4271042.2	62.7	5.00	4.00
4.65	NO							
L0160417		0	0.12747E-03	663111.8	4271050.7	62.9	5.00	4.00
4.65	NO							
L0160418		0	0.12747E-03	663110.8	4271059.3	63.4	5.00	4.00
4.65	NO							
L0160419		0	0.12747E-03	663109.8	4271067.8	63.9	5.00	4.00
4.65	NO							
L0160420		0	0.12747E-03	663108.8	4271076.4	64.4	5.00	4.00
4.65	NO							
L0160421		0	0.12747E-03	663107.8	4271084.9	65.1	5.00	4.00
4.65	NO							
L0160422		0	0.12747E-03	663106.8	4271093.4	65.9	5.00	4.00

4.65	NO							
L0160423		0	0.12747E-03	663105.8	4271102.0	66.7	5.00	4.00
4.65	NO							
L0160424		0	0.12747E-03	663104.8	4271110.5	67.5	5.00	4.00
4.65	NO							
L0160425		0	0.12747E-03	663103.8	4271119.1	68.5	5.00	4.00
4.65	NO							
L0160426		0	0.12747E-03	663102.8	4271127.6	69.4	5.00	4.00
4.65	NO							
L0160427		0	0.12747E-03	663101.8	4271136.1	70.4	5.00	4.00
4.65	NO							
L0160428		0	0.12747E-03	663100.8	4271144.7	71.3	5.00	4.00
4.65	NO							
L0160429		0	0.12747E-03	663099.8	4271153.2	72.2	5.00	4.00
4.65	NO							
L0160430		0	0.12747E-03	663098.8	4271161.8	73.1	5.00	4.00
4.65	NO							
L0160431		0	0.12747E-03	663097.8	4271170.3	74.0	5.00	4.00
4.65	NO							
L0160432		0	0.12747E-03	663096.8	4271178.9	74.5	5.00	4.00
4.65	NO							
L0160433		0	0.12747E-03	663095.8	4271187.4	75.0	5.00	4.00
4.65	NO							
L0160434		0	0.12747E-03	663094.8	4271195.9	75.5	5.00	4.00

\*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0160435		0	0.12747E-03	663093.8	4271204.5	75.8	5.00	4.00
4.65	NO							
L0160436		0	0.12747E-03	663092.8	4271213.0	76.0	5.00	4.00
4.65	NO							
L0160437		0	0.12747E-03	663091.8	4271221.6	76.1	5.00	4.00

4.65	NO							
L0160438		0	0.12747E-03	663090.8	4271230.1	76.2	5.00	4.00
4.65	NO							
L0160439		0	0.12747E-03	663089.8	4271238.6	76.2	5.00	4.00
4.65	NO							
L0160440		0	0.12747E-03	663088.8	4271247.2	76.2	5.00	4.00
4.65	NO							
L0160441		0	0.12747E-03	663087.8	4271255.7	76.2	5.00	4.00
4.65	NO							
L0160442		0	0.12747E-03	663086.8	4271264.3	76.2	5.00	4.00
4.65	NO							
L0160443		0	0.12747E-03	663085.8	4271272.8	76.4	5.00	4.00
4.65	NO							
L0160444		0	0.12747E-03	663084.8	4271281.4	76.5	5.00	4.00
4.65	NO							
L0160445		0	0.12747E-03	663083.8	4271289.9	76.6	5.00	4.00
4.65	NO							
L0160446		0	0.12747E-03	663082.8	4271298.4	76.7	5.00	4.00
4.65	NO							
L0160447		0	0.12747E-03	663081.9	4271307.0	76.8	5.00	4.00
4.65	NO							
L0160448		0	0.12747E-03	663080.9	4271315.5	76.9	5.00	4.00
4.65	NO							
L0160449		0	0.12747E-03	663079.9	4271324.1	77.0	5.00	4.00
4.65	NO							
L0160450		0	0.12747E-03	663078.9	4271332.6	77.1	5.00	4.00
4.65	NO							
L0160451		0	0.12747E-03	663077.9	4271341.2	77.2	5.00	4.00
4.65	NO							
L0160452		0	0.12747E-03	663076.9	4271349.7	77.2	5.00	4.00
4.65	NO							
L0160453		0	0.12747E-03	663075.9	4271358.2	77.2	5.00	4.00
4.65	NO							
L0160454		0	0.12747E-03	663074.9	4271366.8	77.2	5.00	4.00
4.65	NO							
L0160455		0	0.12747E-03	663073.9	4271375.3	77.2	5.00	4.00
4.65	NO							
L0160456		0	0.12747E-03	663072.9	4271383.9	77.2	5.00	4.00
4.65	NO							
L0160457		0	0.12747E-03	663071.9	4271392.4	76.9	5.00	4.00
4.65	NO							
L0160458		0	0.12747E-03	663070.9	4271400.9	76.5	5.00	4.00
4.65	NO							
L0160459		0	0.12747E-03	663069.9	4271409.5	76.2	5.00	4.00
4.65	NO							
L0160460		0	0.12747E-03	663068.9	4271418.0	75.9	5.00	4.00
4.65	NO							
L0160461		0	0.12747E-03	663067.9	4271426.6	75.5	5.00	4.00
4.65	NO							
L0160462		0	0.12747E-03	663066.9	4271435.1	75.2	5.00	4.00

4.65	NO							
L0160463		0	0.12747E-03	663065.9	4271443.7	74.9	5.00	4.00
4.65	NO							
L0160464		0	0.12747E-03	663064.9	4271452.2	75.1	5.00	4.00
4.65	NO							
L0160465		0	0.12747E-03	663061.0	4271459.5	75.5	5.00	4.00
4.65	NO							
L0160466		0	0.12747E-03	663055.5	4271466.1	76.0	5.00	4.00
4.65	NO							
L0160467		0	0.12747E-03	663050.0	4271472.8	76.2	5.00	4.00
4.65	NO							
L0160468		0	0.12747E-03	663044.5	4271479.4	75.9	5.00	4.00
4.65	NO							
L0160469		0	0.12747E-03	663039.1	4271486.0	75.5	5.00	4.00
4.65	NO							
L0160470		0	0.12747E-03	663033.6	4271492.7	75.2	5.00	4.00
4.65	NO							
L0160471		0	0.12747E-03	663028.1	4271499.3	74.8	5.00	4.00
4.65	NO							
L0160472		0	0.12747E-03	663022.7	4271505.9	74.3	5.00	4.00
4.65	NO							
L0160473		0	0.12747E-03	663017.2	4271512.6	73.5	5.00	4.00
4.65	NO							
L0160474		0	0.12747E-03	663011.7	4271519.2	72.8	5.00	4.00

\*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								
L0160475		0	0.12747E-03	663006.2	4271525.8	72.1	5.00	4.00
4.65	NO							
L0160476		0	0.12747E-03	663000.8	4271532.5	71.4	5.00	4.00
4.65	NO							
L0160477		0	0.12747E-03	662995.3	4271539.1	71.0	5.00	4.00



4.65	NO							
L0160478		0	0.12747E-03	662989.8	4271545.7	70.8	5.00	4.00
4.65	NO							
L0160479		0	0.12747E-03	662984.3	4271552.4	70.6	5.00	4.00
4.65	NO							
L0160480		0	0.12747E-03	662978.9	4271559.0	70.5	5.00	4.00
4.65	NO							
L0160481		0	0.12747E-03	662973.4	4271565.6	70.6	5.00	4.00
4.65	NO							
L0160482		0	0.12747E-03	662967.9	4271572.3	70.6	5.00	4.00
4.65	NO							
L0160483		0	0.12747E-03	662962.5	4271578.9	70.5	5.00	4.00
4.65	NO							
L0160484		0	0.12747E-03	662957.0	4271585.5	70.5	5.00	4.00
4.65	NO							
L0160485		0	0.12747E-03	662951.5	4271592.2	70.5	5.00	4.00
4.65	NO							
L0160486		0	0.12747E-03	662946.0	4271598.8	70.4	5.00	4.00
4.65	NO							
L0160487		0	0.12747E-03	662940.6	4271605.4	69.8	5.00	4.00
4.65	NO							
L0160488		0	0.12747E-03	662935.1	4271612.1	69.3	5.00	4.00
4.65	NO							
L0160489		0	0.12747E-03	662929.6	4271618.7	68.7	5.00	4.00
4.65	NO							
L0160490		0	0.12747E-03	662924.1	4271625.3	68.2	5.00	4.00
4.65	NO							
L0160491		0	0.12747E-03	662918.7	4271632.0	67.8	5.00	4.00
4.65	NO							
L0160492		0	0.12747E-03	662913.2	4271638.6	67.2	5.00	4.00
4.65	NO							
L0160493		0	0.12747E-03	662907.7	4271645.2	66.8	5.00	4.00
4.65	NO							
L0160494		0	0.12747E-03	662902.2	4271651.9	66.3	5.00	4.00
4.65	NO							
L0160495		0	0.12747E-03	662896.8	4271658.5	65.8	5.00	4.00
4.65	NO							
L0160496		0	0.12747E-03	662891.3	4271665.1	65.8	5.00	4.00
4.65	NO							
L0160497		0	0.12747E-03	662885.8	4271671.8	65.7	5.00	4.00
4.65	NO							
L0160498		0	0.12747E-03	662880.4	4271678.4	65.7	5.00	4.00
4.65	NO							
L0160499		0	0.12747E-03	662874.9	4271685.0	65.7	5.00	4.00
4.65	NO							
L0160500		0	0.12747E-03	662869.4	4271691.7	65.6	5.00	4.00
4.65	NO							
L0160501		0	0.12747E-03	662863.9	4271698.3	65.5	5.00	4.00
4.65	NO							
L0160502		0	0.12747E-03	662858.5	4271704.9	65.5	5.00	4.00

4.65	NO							
L0160503		0	0.12747E-03	662853.0	4271711.6	65.4	5.00	4.00
4.65	NO							
L0160504		0	0.12747E-03	662847.5	4271718.2	65.3	5.00	4.00
4.65	NO							
L0160505		0	0.12747E-03	662847.3	4271710.9	65.1	5.00	4.00
4.65	NO							
L0160506		0	0.12747E-03	662847.5	4271702.3	64.9	5.00	4.00
4.65	NO							
L0160507		0	0.12747E-03	662847.7	4271693.7	64.7	5.00	4.00
4.65	NO							
L0160508		0	0.12747E-03	662848.0	4271685.1	64.5	5.00	4.00
4.65	NO							
L0160509		0	0.12747E-03	662848.2	4271676.5	64.5	5.00	4.00
4.65	NO							
L0160510		0	0.12747E-03	662848.4	4271667.9	64.4	5.00	4.00
4.65	NO							
L0160511		0	0.12747E-03	662848.6	4271659.3	64.3	5.00	4.00
4.65	NO							
L0160512		0	0.12747E-03	662848.9	4271650.7	64.7	5.00	4.00
4.65	NO							
L0160513		0	0.12747E-03	662849.1	4271642.1	65.1	5.00	4.00
4.65	NO							
L0160514		0	0.12747E-03	662849.3	4271633.5	65.5	5.00	4.00

\*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0160515		0	0.12747E-03	662849.6	4271624.9	65.9	5.00	4.00
4.65	NO							
L0160516		0	0.12747E-03	662849.8	4271616.3	66.3	5.00	4.00
4.65	NO							
L0160517		0	0.12747E-03	662850.0	4271607.8	66.8	5.00	4.00

4.65	NO							
L0160518		0	0.12747E-03	662850.3	4271599.2	67.3	5.00	4.00
4.65	NO							
L0160519		0	0.12747E-03	662850.5	4271590.6	67.4	5.00	4.00
4.65	NO							
L0160520		0	0.12747E-03	662850.7	4271582.0	67.5	5.00	4.00
4.65	NO							
L0160521		0	0.12747E-03	662851.0	4271573.4	67.5	5.00	4.00
4.65	NO							
L0160522		0	0.12747E-03	662851.2	4271564.8	67.5	5.00	4.00
4.65	NO							
L0160523		0	0.12747E-03	662851.4	4271556.2	67.2	5.00	4.00
4.65	NO							
L0160524		0	0.12747E-03	662851.7	4271547.6	66.9	5.00	4.00
4.65	NO							
L0160525		0	0.12747E-03	662851.9	4271539.0	66.5	5.00	4.00
4.65	NO							
L0160526		0	0.12747E-03	662852.1	4271530.4	66.2	5.00	4.00
4.65	NO							
L0160527		0	0.12747E-03	662852.3	4271521.8	65.8	5.00	4.00
4.65	NO							
L0160528		0	0.12747E-03	662852.6	4271513.2	65.3	5.00	4.00
4.65	NO							
L0160529		0	0.12747E-03	662852.8	4271504.6	64.9	5.00	4.00
4.65	NO							
L0160530		0	0.12747E-03	662853.0	4271496.0	65.2	5.00	4.00
4.65	NO							
L0160531		0	0.12747E-03	662853.3	4271487.4	65.5	5.00	4.00
4.65	NO							
L0160532		0	0.12747E-03	662853.5	4271478.8	65.8	5.00	4.00
4.65	NO							
L0160533		0	0.12747E-03	662853.7	4271470.2	66.2	5.00	4.00
4.65	NO							
L0160534		0	0.12747E-03	662854.0	4271461.6	66.8	5.00	4.00
4.65	NO							
L0160535		0	0.12747E-03	662854.2	4271453.0	67.4	5.00	4.00
4.65	NO							
L0160536		0	0.12747E-03	662854.4	4271444.4	68.0	5.00	4.00
4.65	NO							
L0160537		0	0.12747E-03	662854.7	4271435.8	68.4	5.00	4.00
4.65	NO							
L0160538		0	0.12747E-03	662854.9	4271427.2	68.8	5.00	4.00
4.65	NO							
L0160539		0	0.12747E-03	662855.1	4271418.6	69.2	5.00	4.00
4.65	NO							
L0160540		0	0.12747E-03	662855.3	4271410.0	69.5	5.00	4.00
4.65	NO							
L0160541		0	0.12747E-03	662855.6	4271401.4	69.8	5.00	4.00
4.65	NO							
L0160542		0	0.12747E-03	662855.8	4271392.8	70.0	5.00	4.00

4.65	NO							
L0160543		0	0.12747E-03	662856.0	4271384.2	70.2	5.00	4.00
4.65	NO							
L0160544		0	0.12747E-03	662856.3	4271375.6	70.5	5.00	4.00
4.65	NO							
L0160545		0	0.12747E-03	662856.5	4271367.0	70.7	5.00	4.00
4.65	NO							
L0160546		0	0.12747E-03	662856.7	4271358.4	70.9	5.00	4.00
4.65	NO							
L0160547		0	0.12747E-03	662857.0	4271349.8	71.2	5.00	4.00
4.65	NO							
L0160548		0	0.12747E-03	662857.2	4271341.2	71.6	5.00	4.00
4.65	NO							
L0160549		0	0.12747E-03	662857.4	4271332.6	72.1	5.00	4.00
4.65	NO							
L0160550		0	0.12747E-03	662857.7	4271324.1	72.6	5.00	4.00
4.65	NO							
L0160551		0	0.12747E-03	662857.9	4271315.5	73.1	5.00	4.00
4.65	NO							
L0160552		0	0.12747E-03	662858.1	4271306.9	73.8	5.00	4.00
4.65	NO							
L0160553		0	0.12747E-03	662858.3	4271298.3	74.6	5.00	4.00
4.65	NO							
L0160554		0	0.12747E-03	662858.6	4271289.7	75.3	5.00	4.00

^ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0160555		0	0.12747E-03	662858.8	4271281.1	76.0	5.00	4.00
4.65	NO							
L0160556		0	0.12747E-03	662859.0	4271272.5	76.7	5.00	4.00
4.65	NO							
L0160557		0	0.12747E-03	662859.3	4271263.9	77.4	5.00	4.00

4.65	NO							
L0160558		0	0.12747E-03	662859.5	4271255.3	78.0	5.00	4.00
4.65	NO							
L0160559		0	0.12747E-03	662859.7	4271246.7	78.0	5.00	4.00
4.65	NO							
L0160560		0	0.12747E-03	662860.0	4271238.1	78.0	5.00	4.00
4.65	NO							
L0160561		0	0.12747E-03	662860.2	4271229.5	78.0	5.00	4.00
4.65	NO							
L0160562		0	0.12747E-03	662860.4	4271220.9	77.7	5.00	4.00
4.65	NO							
L0160563		0	0.12747E-03	662860.7	4271212.3	77.3	5.00	4.00
4.65	NO							
L0160564		0	0.12747E-03	662860.9	4271203.7	76.9	5.00	4.00
4.65	NO							
L0160565		0	0.12747E-03	662861.1	4271195.1	76.5	5.00	4.00
4.65	NO							
L0160566		0	0.12747E-03	662861.3	4271186.5	76.4	5.00	4.00
4.65	NO							
L0160567		0	0.12747E-03	662861.6	4271177.9	76.3	5.00	4.00
4.65	NO							
L0160568		0	0.12747E-03	662861.8	4271169.3	76.2	5.00	4.00
4.65	NO							
L0160569		0	0.12747E-03	662862.0	4271160.7	76.2	5.00	4.00
4.65	NO							
L0160570		0	0.12747E-03	662862.3	4271152.1	76.3	5.00	4.00
4.65	NO							
L0160571		0	0.12747E-03	662862.5	4271143.5	76.5	5.00	4.00
4.65	NO							
L0160572		0	0.12747E-03	662862.7	4271134.9	76.6	5.00	4.00
4.65	NO							
L0160573		0	0.12747E-03	662863.0	4271126.3	76.6	5.00	4.00
4.65	NO							
L0160574		0	0.12747E-03	662863.2	4271117.7	76.7	5.00	4.00
4.65	NO							
L0160575		0	0.12747E-03	662863.4	4271109.1	76.7	5.00	4.00
4.65	NO							
L0160576		0	0.12747E-03	662863.7	4271100.5	76.7	5.00	4.00
4.65	NO							
L0160577		0	0.12747E-03	662863.9	4271091.9	76.9	5.00	4.00
4.65	NO							
L0160578		0	0.12747E-03	662864.1	4271083.3	77.1	5.00	4.00
4.65	NO							
L0160579		0	0.12747E-03	662864.3	4271074.7	77.3	5.00	4.00
4.65	NO							
L0160580		0	0.12747E-03	662864.6	4271066.1	77.5	5.00	4.00
4.65	NO							
L0160581		0	0.12747E-03	662864.8	4271057.5	77.8	5.00	4.00
4.65	NO							
L0160582		0	0.12747E-03	662865.0	4271049.0	78.1	5.00	4.00

4.65	NO							
L0160583		0	0.12747E-03	662865.3	4271040.4	78.4	5.00	4.00
4.65	NO							
L0160584		0	0.12747E-03	662865.5	4271031.8	78.4	5.00	4.00
4.65	NO							
L0160585		0	0.12747E-03	662865.7	4271023.2	78.5	5.00	4.00
4.65	NO							
L0160586		0	0.12747E-03	662866.0	4271014.6	78.5	5.00	4.00
4.65	NO							
L0160587		0	0.12747E-03	662866.2	4271006.0	78.3	5.00	4.00
4.65	NO							
L0160588		0	0.12747E-03	662866.4	4270997.4	77.9	5.00	4.00
4.65	NO							
L0160589		0	0.12747E-03	662866.7	4270988.8	77.5	5.00	4.00
4.65	NO							
L0160590		0	0.12747E-03	662866.9	4270980.2	77.1	5.00	4.00
4.65	NO							
L0160591		0	0.12747E-03	662867.1	4270971.6	76.7	5.00	4.00
4.65	NO							
L0160592		0	0.12747E-03	662867.3	4270963.0	76.3	5.00	4.00
4.65	NO							
L0160593		0	0.12747E-03	662867.6	4270954.4	75.9	5.00	4.00
4.65	NO							
L0160594		0	0.12747E-03	662867.8	4270945.8	75.6	5.00	4.00

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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0160595		0	0.12747E-03	662868.0	4270937.2	75.3	5.00	4.00
4.65	NO							
L0160596		0	0.12747E-03	662868.3	4270928.6	75.0	5.00	4.00
4.65	NO							
L0160597		0	0.12747E-03	662868.5	4270920.0	74.7	5.00	4.00

4.65	NO							
L0160598		0	0.12747E-03	662868.7	4270911.4	74.4	5.00	4.00
4.65	NO							
L0160599		0	0.12747E-03	662869.0	4270902.8	74.2	5.00	4.00
4.65	NO							
L0160600		0	0.12747E-03	662869.2	4270894.2	73.9	5.00	4.00
4.65	NO							
L0160601		0	0.12747E-03	662869.4	4270885.6	73.7	5.00	4.00
4.65	NO							
L0160602		0	0.12747E-03	662869.7	4270877.0	73.4	5.00	4.00
4.65	NO							
L0160603		0	0.12747E-03	662869.9	4270868.4	73.1	5.00	4.00
4.65	NO							
L0160604		0	0.12747E-03	662870.1	4270859.8	72.8	5.00	4.00
4.65	NO							
L0160605		0	0.12747E-03	662870.3	4270851.2	72.6	5.00	4.00
4.65	NO							
L0160606		0	0.12747E-03	662870.6	4270842.6	72.3	5.00	4.00
4.65	NO							
L0160607		0	0.12747E-03	662870.8	4270834.0	72.0	5.00	4.00
4.65	NO							
L0160608		0	0.12747E-03	662871.0	4270825.4	71.8	5.00	4.00
4.65	NO							
L0160609		0	0.12747E-03	662871.3	4270816.8	71.5	5.00	4.00
4.65	NO							
L0160610		0	0.12747E-03	662871.5	4270808.2	71.2	5.00	4.00
4.65	NO							
L0160611		0	0.12747E-03	662871.7	4270799.6	70.9	5.00	4.00
4.65	NO							
L0160612		0	0.12747E-03	662872.0	4270791.0	70.6	5.00	4.00
4.65	NO							
L0160613		0	0.12747E-03	662872.2	4270782.4	70.4	5.00	4.00
4.65	NO							
L0160614		0	0.12747E-03	662872.4	4270773.8	70.2	5.00	4.00
4.65	NO							
L0160615		0	0.12747E-03	662872.7	4270765.3	70.0	5.00	4.00
4.65	NO							
L0160616		0	0.12747E-03	662872.9	4270756.7	69.8	5.00	4.00
4.65	NO							
L0160617		0	0.12747E-03	662873.1	4270748.1	69.7	5.00	4.00
4.65	NO							
L0160618		0	0.12747E-03	662873.3	4270739.5	69.6	5.00	4.00
4.65	NO							
L0160619		0	0.12747E-03	662879.2	4270735.7	70.0	5.00	4.00
4.65	NO							
L0160620		0	0.12747E-03	662887.7	4270734.3	70.7	5.00	4.00
4.65	NO							
L0160621		0	0.12747E-03	662896.2	4270732.8	71.4	5.00	4.00
4.65	NO							
L0160622		0	0.12747E-03	662904.6	4270731.3	72.3	5.00	4.00

4.65	NO							
L0160623		0	0.12747E-03	662913.1	4270729.9	73.2	5.00	4.00
4.65	NO							
L0160624		0	0.12747E-03	662921.6	4270728.4	74.2	5.00	4.00
4.65	NO							
L0160625		0	0.12747E-03	662930.1	4270726.9	75.3	5.00	4.00
4.65	NO							
L0160626		0	0.12747E-03	662938.5	4270725.4	76.4	5.00	4.00
4.65	NO							
L0160627		0	0.12747E-03	662947.0	4270724.0	77.5	5.00	4.00
4.65	NO							
L0160628		0	0.12747E-03	662955.5	4270722.5	78.3	5.00	4.00
4.65	NO							
L0160629		0	0.12747E-03	662963.9	4270721.0	79.1	5.00	4.00
4.65	NO							
L0160630		0	0.12747E-03	662972.4	4270719.5	79.8	5.00	4.00
4.65	NO							
L0160631		0	0.12747E-03	662980.9	4270718.1	80.2	5.00	4.00
4.65	NO							
L0160632		0	0.12747E-03	662989.4	4270716.6	80.6	5.00	4.00
4.65	NO							
L0160633		0	0.12747E-03	662997.8	4270715.1	80.8	5.00	4.00
4.65	NO							
L0160634		0	0.12747E-03	663006.3	4270713.6	80.7	5.00	4.00

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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0160635		0	0.12747E-03	663014.8	4270712.2	80.7	5.00	4.00
4.65	NO							
L0160636		0	0.12747E-03	663023.3	4270710.7	80.3	5.00	4.00
4.65	NO							
L0160637		0	0.12747E-03	663024.4	4270717.2	80.4	5.00	4.00



4.65	NO							
L0160638		0	0.12747E-03	663023.7	4270725.8	80.7	5.00	4.00
4.65	NO							
L0160639		0	0.12747E-03	663023.0	4270734.3	81.0	5.00	4.00
4.65	NO							
L0160640		0	0.12747E-03	663022.3	4270742.9	81.0	5.00	4.00
4.65	NO							
L0160641		0	0.12747E-03	663021.6	4270751.5	81.1	5.00	4.00
4.65	NO							
L0160642		0	0.12747E-03	663020.9	4270760.0	81.1	5.00	4.00
4.65	NO							
L0160643		0	0.12747E-03	663020.2	4270768.6	81.0	5.00	4.00
4.65	NO							
L0160644		0	0.12747E-03	663019.4	4270777.2	80.7	5.00	4.00
4.65	NO							
L0160645		0	0.12747E-03	663018.7	4270785.8	80.3	5.00	4.00
4.65	NO							
L0160646		0	0.12747E-03	663018.0	4270794.3	80.0	5.00	4.00
4.65	NO							
L0160647		0	0.12747E-03	663017.3	4270802.9	79.6	5.00	4.00
4.65	NO							
L0160648		0	0.12747E-03	663016.6	4270811.5	79.4	5.00	4.00
4.65	NO							
L0160649		0	0.12747E-03	663015.9	4270820.0	79.2	5.00	4.00
4.65	NO							
L0160650		0	0.12747E-03	663015.2	4270828.6	78.9	5.00	4.00
4.65	NO							
L0160651		0	0.12747E-03	663014.4	4270837.2	78.8	5.00	4.00
4.65	NO							
L0160652		0	0.12747E-03	663013.7	4270845.8	78.6	5.00	4.00
4.65	NO							
L0160653		0	0.12747E-03	663013.0	4270854.3	78.5	5.00	4.00
4.65	NO							
L0160654		0	0.12747E-03	663012.3	4270862.9	78.3	5.00	4.00
4.65	NO							
L0160655		0	0.12747E-03	663011.6	4270871.5	77.8	5.00	4.00
4.65	NO							
L0160656		0	0.12747E-03	663010.9	4270880.0	77.4	5.00	4.00
4.65	NO							
L0160657		0	0.12747E-03	663010.2	4270888.6	77.0	5.00	4.00
4.65	NO							
L0160658		0	0.12747E-03	663009.4	4270897.2	76.4	5.00	4.00
4.65	NO							
L0160659		0	0.12747E-03	663008.7	4270905.7	75.6	5.00	4.00
4.65	NO							
L0160660		0	0.12747E-03	663008.0	4270914.3	74.9	5.00	4.00
4.65	NO							
L0160661		0	0.12747E-03	663007.3	4270922.9	74.2	5.00	4.00
4.65	NO							
L0160662		0	0.12747E-03	663006.6	4270931.5	73.6	5.00	4.00

4.65	NO							
L0160663		0	0.12747E-03	663005.9	4270940.0	72.9	5.00	4.00
4.65	NO							
L0160664		0	0.12747E-03	663005.2	4270948.6	72.3	5.00	4.00
4.65	NO							
L0160665		0	0.12747E-03	663004.4	4270957.2	71.9	5.00	4.00
4.65	NO							
L0160666		0	0.12747E-03	663003.7	4270965.7	71.7	5.00	4.00
4.65	NO							
L0160667		0	0.12747E-03	663003.0	4270974.3	71.5	5.00	4.00
4.65	NO							
L0160668		0	0.12747E-03	663002.3	4270982.9	71.2	5.00	4.00
4.65	NO							
L0160669		0	0.12747E-03	663001.6	4270991.4	70.9	5.00	4.00
4.65	NO							
L0160670		0	0.12747E-03	663000.9	4271000.0	70.5	5.00	4.00
4.65	NO							
L0160671		0	0.12747E-03	663000.2	4271008.6	70.2	5.00	4.00
4.65	NO							
L0160672		0	0.12747E-03	662999.4	4271017.2	69.7	5.00	4.00
4.65	NO							
L0160673		0	0.12747E-03	662998.7	4271025.7	69.0	5.00	4.00
4.65	NO							
L0160674		0	0.12747E-03	662998.0	4271034.3	68.4	5.00	4.00

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0160675		0	0.12747E-03	662997.3	4271042.9	67.7	5.00	4.00
4.65	NO							
L0160676		0	0.12747E-03	662996.6	4271051.4	67.4	5.00	4.00
4.65	NO							
L0160677		0	0.12747E-03	662995.9	4271060.0	67.2	5.00	4.00

4.65	NO							
L0160678		0	0.12747E-03	662995.2	4271068.6	66.9	5.00	4.00
4.65	NO							
L0160679		0	0.12747E-03	662994.4	4271077.2	66.9	5.00	4.00
4.65	NO							
L0160680		0	0.12747E-03	662993.7	4271085.7	67.6	5.00	4.00
4.65	NO							
L0160681		0	0.12747E-03	662993.0	4271094.3	68.3	5.00	4.00
4.65	NO							
L0160682		0	0.12747E-03	662992.3	4271102.9	69.0	5.00	4.00
4.65	NO							
L0160683		0	0.12747E-03	662991.6	4271111.4	70.0	5.00	4.00
4.65	NO							
L0160684		0	0.12747E-03	662990.9	4271120.0	71.2	5.00	4.00
4.65	NO							
L0160685		0	0.12747E-03	662990.2	4271128.6	72.5	5.00	4.00
4.65	NO							
L0160686		0	0.12747E-03	662989.4	4271137.1	73.7	5.00	4.00
4.65	NO							
L0160687		0	0.12747E-03	662988.7	4271145.7	75.1	5.00	4.00
4.65	NO							
L0160688		0	0.12747E-03	662988.0	4271154.3	76.4	5.00	4.00
4.65	NO							
L0160689		0	0.12747E-03	662987.3	4271162.9	77.8	5.00	4.00
4.65	NO							
L0160690		0	0.12747E-03	662986.6	4271171.4	78.6	5.00	4.00
4.65	NO							
L0160691		0	0.12747E-03	662985.9	4271180.0	79.0	5.00	4.00
4.65	NO							
L0160692		0	0.12747E-03	662985.2	4271188.6	79.4	5.00	4.00
4.65	NO							
L0160693		0	0.12747E-03	662984.4	4271197.1	79.8	5.00	4.00
4.65	NO							
L0160694		0	0.12747E-03	662983.7	4271205.7	79.7	5.00	4.00
4.65	NO							
L0160695		0	0.12747E-03	662983.0	4271214.3	79.6	5.00	4.00
4.65	NO							
L0160696		0	0.12747E-03	662982.3	4271222.8	79.5	5.00	4.00
4.65	NO							
L0160697		0	0.12747E-03	662981.6	4271231.4	79.4	5.00	4.00
4.65	NO							
L0160698		0	0.12747E-03	662980.9	4271240.0	79.3	5.00	4.00
4.65	NO							
L0160699		0	0.12747E-03	662980.2	4271248.6	79.1	5.00	4.00
4.65	NO							
L0160700		0	0.12747E-03	662979.4	4271257.1	79.0	5.00	4.00
4.65	NO							
L0160701		0	0.12747E-03	662978.7	4271265.7	78.8	5.00	4.00
4.65	NO							
L0160702		0	0.12747E-03	662978.0	4271274.3	78.5	5.00	4.00

4.65	NO	L0160703	0	0.12747E-03	662977.3	4271282.8	78.3	5.00	4.00
4.65	NO	L0160704	0	0.12747E-03	662976.6	4271291.4	78.0	5.00	4.00
4.65	NO	L0160705	0	0.12747E-03	662975.9	4271300.0	77.3	5.00	4.00
4.65	NO	L0160706	0	0.12747E-03	662975.2	4271308.5	76.6	5.00	4.00
4.65	NO	L0160707	0	0.12747E-03	662974.4	4271317.1	75.9	5.00	4.00
4.65	NO	L0160708	0	0.12747E-03	662973.7	4271325.7	75.1	5.00	4.00
4.65	NO	L0160709	0	0.12747E-03	662973.0	4271334.3	74.1	5.00	4.00
4.65	NO	L0160710	0	0.12747E-03	662972.3	4271342.8	73.2	5.00	4.00
4.65	NO	L0160711	0	0.12747E-03	662971.6	4271351.4	72.2	5.00	4.00
4.65	NO	L0160712	0	0.12747E-03	662970.9	4271360.0	71.7	5.00	4.00
4.65	NO	L0160713	0	0.12747E-03	662970.2	4271368.5	71.2	5.00	4.00
4.65	NO	L0160714	0	0.12747E-03	662969.4	4271377.1	70.7	5.00	4.00

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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE	SOURCE	EMISSION	PART.	(GRAMS/SEC)	X	ELEV.	HEIGHT	SY
SZ	ID	SCALAR	CATS.	VARY	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		BY						

L0160715	0	0.12747E-03	662968.7	4271385.7	70.3	5.00	4.00		
4.65	NO	L0160716	0	0.12747E-03	662968.0	4271394.3	70.2	5.00	4.00
4.65	NO	L0160717	0	0.12747E-03	662967.3	4271402.8	70.1	5.00	4.00

4.65 NO  
L0160718 0 0.12747E-03 662966.6 4271411.4 70.0 5.00 4.00

4.65 NO  
L0160719 0 0.12747E-03 662965.9 4271420.0 69.8 5.00 4.00

4.65 NO  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID	SOURCE IDs
-----	-----
ALL	L0160720 , L0160721 , L0160722 , L0160723 , L0160724 ,
L0160725	, L0160726 , L0160727 ,
L0160733	L0160728 , L0160729 , L0160730 , L0160731 , L0160732 ,
	, L0160734 , L0160735 ,
L0160741	L0160736 , L0160737 , L0160738 , L0160739 , L0160740 ,
	, L0160742 , L0160743 ,
L0160749	L0160744 , L0160745 , L0160746 , L0160747 , L0160748 ,
	, L0160750 , L0160751 ,
L0160757	L0160752 , L0160753 , L0160754 , L0160755 , L0160756 ,
	, L0160758 , L0160759 ,
L0160765	L0160760 , L0160761 , L0160762 , L0160763 , L0160764 ,
	, L0160766 , L0160767 ,
L0160773	L0160768 , L0160769 , L0160770 , L0160771 , L0160772 ,
	, L0160774 , L0160775 ,
L0160781	L0160776 , L0160777 , L0160778 , L0160779 , L0160780 ,
	, L0160782 , L0160783 ,
L0160789	L0160784 , L0160785 , L0160786 , L0160787 , L0160788 ,
	, L0160790 , L0160791 ,
L0160797	L0160792 , L0160793 , L0160794 , L0160795 , L0160796 ,
	, L0160798 , L0160799 ,

L0160805      L0160800      , L0160801      , L0160802      , L0160803      , L0160804      ,  
                  , L0160806      , L0160807      ,  
  
 L0160813      L0160808      , L0160809      , L0160810      , L0160811      , L0160812      ,  
                  , L0160814      , L0160815      ,  
  
 L0160821      L0160816      , L0160817      , L0160818      , L0160819      , L0160820      ,  
                  , L0160822      , L0160823      ,  
  
 L0160829      L0160824      , L0160825      , L0160826      , L0160827      , L0160828      ,  
                  , L0160830      , L0160831      ,  
  
 L0160837      L0160832      , L0160833      , L0160834      , L0160835      , L0160836      ,  
                  , L0160838      , L0160839      ,  
  
 L0160845      L0160840      , L0160841      , L0160842      , L0160843      , L0160844      ,  
                  , L0160846      , L0160847      ,  
  
 L0160853      L0160848      , L0160849      , L0160850      , L0160851      , L0160852      ,  
                  , L0160854      , L0160855      ,  
  
 L0160861      L0160856      , L0160857      , L0160858      , L0160859      , L0160860      ,  
                  , L0160862      , L0160863      ,  
  
 L0160869      L0160864      , L0160865      , L0160866      , L0160867      , L0160868      ,  
                  , L0160870      , L0160871      ,  
  
 L0160877      L0160872      , L0160873      , L0160874      , L0160875      , L0160876      ,  
                  , L0160878      , L0160879      ,

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\*\*\* MODELOPTs:      RegDEFAULT      CONC      ELEV      FLGPOL      RURAL      ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID	SOURCE IDs
-----	-----
L0160885	L0160880      , L0160881      , L0160882      , L0160883      , L0160884      , , L0160886      , L0160887      ,
L0160893	L0160888      , L0160889      , L0160890      , L0160891      , L0160892      , , L0160894      , L0160895      ,

L0160901 L0160896 , L0160897 , L0160898 , L0160899 , L0160900 ,  
, L0160902 , L0160903 ,

L0160909 L0160904 , L0160905 , L0160906 , L0160907 , L0160908 ,  
, L0160910 , L0160911 ,

L0160917 L0160912 , L0160913 , L0160914 , L0160915 , L0160916 ,  
, L0160918 , L0160919 ,

L0160925 L0160920 , L0160921 , L0160922 , L0160923 , L0160924 ,  
, L0160926 , L0160927 ,

L0160933 L0160928 , L0160929 , L0160930 , L0160931 , L0160932 ,  
, L0160934 , L0160935 ,

L0160941 L0160936 , L0160937 , L0160938 , L0160939 , L0160940 ,  
, L0160942 , L0160943 ,

L0160949 L0160944 , L0160945 , L0160946 , L0160947 , L0160948 ,  
, L0160950 , L0160951 ,

L0160957 L0160952 , L0160953 , L0160954 , L0160955 , L0160956 ,  
, L0160958 , L0160959 ,

L0160965 L0160960 , L0160961 , L0160962 , L0160963 , L0160964 ,  
, L0160966 , L0160967 ,

L0160973 L0160968 , L0160969 , L0160970 , L0160971 , L0160972 ,  
, L0160974 , L0160975 ,

L0160981 L0160976 , L0160977 , L0160978 , L0160979 , L0160980 ,  
, L0160982 , L0160983 ,

L0160989 L0160984 , L0160985 , L0160986 , L0160987 , L0160988 ,  
, L0160990 , L0160991 ,

L0160997 L0160992 , L0160993 , L0160994 , L0160995 , L0160996 ,  
, L0160998 , L0160999 ,

L0161005 L0161000 , L0161001 , L0161002 , L0161003 , L0161004 ,  
, L0161006 , L0161007 ,

L0161013 L0161008 , L0161009 , L0161010 , L0161011 , L0161012 ,  
, L0161014 , L0161015 ,

L0161021 L0161016 , L0161017 , L0161018 , L0161019 , L0161020 ,  
, L0161022 , L0161023 ,

L0161029 L0161024 , L0161025 , L0161026 , L0161027 , L0161028 ,  
, L0161030 , L0161031 ,

L0161032 , L0161033 , L0161034 , L0161035 , L0161036 ,  
 L0161037 , L0161038 , L0161039 ,  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID	SOURCE IDs
-----	-----
L0161045	L0161040 , L0161041 , L0161042 , L0161043 , L0161044 , , L0161046 , L0161047 ,
L0161053	L0161048 , L0161049 , L0161050 , L0161051 , L0161052 , , L0161054 , L0161055 ,
L0161061	L0161056 , L0161057 , L0161058 , L0161059 , L0161060 , , L0161062 , L0161063 ,
L0161069	L0161064 , L0161065 , L0161066 , L0161067 , L0161068 , , L0161070 , L0161071 ,
L0161077	L0161072 , L0161073 , L0161074 , L0161075 , L0161076 , , L0161078 , L0161079 ,
L0161085	L0161080 , L0161081 , L0161082 , L0161083 , L0161084 , , L0161086 , L0161087 ,
L0161093	L0161088 , L0161089 , L0161090 , L0161091 , L0161092 , , L0161094 , L0161095 ,
L0161101	L0161096 , L0161097 , L0161098 , L0161099 , L0161100 , , L0161102 , L0161103 ,
L0161109	L0161104 , L0161105 , L0161106 , L0161107 , L0161108 , , L0161110 , L0161111 ,
L0161117	L0161112 , L0161113 , L0161114 , L0161115 , L0161116 , , L0161118 , L0161119 ,
L0161125	L0161120 , L0161121 , L0161122 , L0161123 , L0161124 , , L0161126 , L0161127 ,



L0161133      L0161128      , L0161129      , L0161130      , L0161131      , L0161132      ,  
                   , L0161134      , L0161135      ,  
  
 L0161141      L0161136      , L0161137      , L0161138      , L0161139      , L0161140      ,  
                   , L0161142      , L0161143      ,  
  
 L0161149      L0161144      , L0161145      , L0161146      , L0161147      , L0161148      ,  
                   , L0161150      , L0161151      ,  
  
 L0161157      L0161152      , L0161153      , L0161154      , L0161155      , L0161156      ,  
                   , L0161158      , L0161159      ,  
  
 L0161165      L0161160      , L0161161      , L0161162      , L0161163      , L0161164      ,  
                   , L0161166      , L0161167      ,  
  
 L0161173      L0161168      , L0161169      , L0161170      , L0161171      , L0161172      ,  
                   , L0161174      , L0161175      ,  
  
 L0161181      L0161176      , L0161177      , L0161178      , L0161179      , L0161180      ,  
                   , L0161182      , L0161183      ,  
  
 L0161189      L0161184      , L0161185      , L0161186      , L0161187      , L0161188      ,  
                   , L0161190      , L0161191      ,  
  
 L0161197      L0161192      , L0161193      , L0161194      , L0161195      , L0161196      ,  
                   , L0161198      , L0161199      ,

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\*\*\* MODELOPTs:      RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID	SOURCE IDs
-----	-----
L0161205	L0161200      , L0161201      , L0161202      , L0161203      , L0161204      , , L0161206      , L0161207      ,
L0161213	L0161208      , L0161209      , L0161210      , L0161211      , L0161212      , , L0161214      , L0161215      ,
L0161221	L0161216      , L0161217      , L0161218      , L0161219      , L0161220      , , L0161222      , L0161223      ,

L0161229      L0161224 , L0161225 , L0161226 , L0161227 , L0161228 ,  
                  , L0161230 , L0161231 ,  
L0161237      L0161232 , L0161233 , L0161234 , L0161235 , L0161236 ,  
                  , L0161238 , L0161239 ,  
L0161245      L0161240 , L0161241 , L0161242 , L0161243 , L0161244 ,  
                  , L0161246 , L0161247 ,  
L0161253      L0161248 , L0161249 , L0161250 , L0161251 , L0161252 ,  
                  , L0161254 , L0161255 ,  
L0161261      L0161256 , L0161257 , L0161258 , L0161259 , L0161260 ,  
                  , L0161262 , L0161263 ,  
L0161269      L0161264 , L0161265 , L0161266 , L0161267 , L0161268 ,  
                  , L0161270 , L0161271 ,  
L0161277      L0161272 , L0161273 , L0161274 , L0161275 , L0161276 ,  
                  , L0161278 , L0161279 ,  
L0161285      L0161280 , L0161281 , L0161282 , L0161283 , L0161284 ,  
                  , L0161286 , L0161287 ,  
L0161293      L0161288 , L0161289 , L0161290 , L0161291 , L0161292 ,  
                  , L0161294 , L0161295 ,  
L0161301      L0161296 , L0161297 , L0161298 , L0161299 , L0161300 ,  
                  , L0161302 , L0161303 ,  
L0161309      L0161304 , L0161305 , L0161306 , L0161307 , L0161308 ,  
                  , L0161310 , L0161311 ,  
L0161317      L0161312 , L0161313 , L0161314 , L0161315 , L0161316 ,  
                  , L0161318 , L0161319 ,  
L0161325      L0161320 , L0161321 , L0161322 , L0161323 , L0161324 ,  
                  , L0161326 , L0161327 ,  
L0161333      L0161328 , L0161329 , L0161330 , L0161331 , L0161332 ,  
                  , L0161334 , L0161335 ,  
L0161341      L0161336 , L0161337 , L0161338 , L0161339 , L0161340 ,  
                  , L0161342 , L0161343 ,  
L0161349      L0161344 , L0161345 , L0161346 , L0161347 , L0161348 ,  
                  , L0161350 , L0161351 ,  
                  L0161352 , L0161353 , L0161354 , L0161355 , L0161356 ,

L0161357 , L0161358 , L0161359 ,  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID -----	SOURCE IDs -----
L0161365	L0161360 , L0161361 , L0161362 , L0161363 , L0161364 , , L0161366 , L0161367 ,
L0161373	L0161368 , L0161369 , L0161370 , L0161371 , L0161372 , , L0161374 , L0161375 ,
L0161381	L0161376 , L0161377 , L0161378 , L0161379 , L0161380 , , L0161382 , L0161383 ,
L0161389	L0161384 , L0161385 , L0161386 , L0161387 , L0161388 , , L0161390 , L0161391 ,
L0161397	L0161392 , L0161393 , L0161394 , L0161395 , L0161396 , , L0161398 , L0161399 ,
L0161405	L0161400 , L0161401 , L0161402 , L0161403 , L0161404 , , L0161406 , L0161407 ,
L0161413	L0161408 , L0161409 , L0161410 , L0161411 , L0161412 , , L0161414 , L0161415 ,
L0161421	L0161416 , L0161417 , L0161418 , L0161419 , L0161420 , , L0161422 , L0161423 ,
L0161429	L0161424 , L0161425 , L0161426 , L0161427 , L0161428 , , L0161430 , L0161431 ,
L0161437	L0161432 , L0161433 , L0161434 , L0161435 , L0161436 , , L0161438 , L0161439 ,
L0161445	L0161440 , L0161441 , L0161442 , L0161443 , L0161444 , , L0161446 , L0161447 ,
	L0161448 , L0161449 , L0161450 , L0161451 , L0161452 ,

L0161453 , L0161454 , L0161455 ,  
 L0161461 , L0161462 , L0161463 ,  
 L0161469 , L0161470 , L0161471 ,  
 L0161477 , L0161478 , L0161479 ,  
 L0161485 , L0161486 , L0161487 ,  
 L0161493 , L0161494 , L0161495 ,  
 L0161501 , L0161502 , L0161503 ,  
 L0161509 , L0161510 , L0161511 ,  
 L0161517 , L0161518 , L0161519 ,

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID	SOURCE IDs
-----	-----
L0161525	L0161520 , L0161521 , L0161522 , L0161523 , L0161524 , , L0161526 , L0161527 ,
L0161533	L0161528 , L0161529 , L0161530 , L0161531 , L0161532 , , L0161534 , L0161535 ,
L0161541	L0161536 , L0161537 , L0161538 , L0161539 , L0161540 , , L0161542 , L0161543 ,
	L0161544 , L0161545 , L0161546 , L0161547 , L0161548 ,

L0161549 , L0161550 , L0161551 ,  
 L0161557 , L0161552 , L0161553 , L0161554 , L0161555 , L0161556 ,  
 L0161558 , L0161559 ,  
 L0161565 , L0161560 , L0161561 , L0161562 , L0161563 , L0161564 ,  
 L0161566 , L0161567 ,  
 L0161573 , L0161568 , L0161569 , L0161570 , L0161571 , L0161572 ,  
 L0161574 , L0161575 ,  
 L0161581 , L0161576 , L0161577 , L0161578 , L0161579 , L0161580 ,  
 L0161582 , L0161583 ,  
 L0161589 , L0161584 , L0161585 , L0161586 , L0161587 , L0161588 ,  
 L0161590 , L0161591 ,  
 L0161597 , L0161592 , L0161593 , L0161594 , L0161595 , L0161596 ,  
 L0161598 , L0161599 ,  
 L0161605 , L0161600 , L0161601 , L0161602 , L0161603 , L0161604 ,  
 L0161606 , L0161607 ,  
 L0161613 , L0161608 , L0161609 , L0161610 , L0161611 , L0161612 ,  
 L0161614 , L0161615 ,  
 L0161621 , L0161616 , L0161617 , L0161618 , L0161619 , L0161620 ,  
 L0161622 , L0161623 ,  
 L0161629 , L0161624 , L0161625 , L0161626 , L0161627 , L0161628 ,  
 L0161630 , L0161631 ,  
 L0161637 , L0161632 , L0161633 , L0161634 , L0161635 , L0161636 ,  
 L0161638 , L0161639 ,  
 L0161645 , L0161640 , L0161641 , L0161642 , L0161643 , L0161644 ,  
 L0161646 , L0161647 ,  
 L0161653 , L0161648 , L0161649 , L0161650 , L0161651 , L0161652 ,  
 L0161654 , L0161655 ,  
 L0161661 , L0161656 , L0161657 , L0161658 , L0161659 , L0161660 ,  
 L0161662 , L0161663 ,  
 L0161669 , L0161664 , L0161665 , L0161666 , L0161667 , L0161668 ,  
 L0161670 , L0161671 ,  
 L0161677 , L0161672 , L0161673 , L0161674 , L0161675 , L0161676 ,  
 L0161678 , L0161679 ,

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID	SOURCE IDs					
-----	-----					
L0161685	L0161680	, L0161681	, L0161682	, L0161683	, L0161684	,
	, L0161686	, L0161687	,			
L0161693	L0161688	, L0161689	, L0161690	, L0161691	, L0161692	,
	, L0161694	, L0161695	,			
L0161701	L0161696	, L0161697	, L0161698	, L0161699	, L0161700	,
	, L0161702	, L0161703	,			
L0161709	L0161704	, L0161705	, L0161706	, L0161707	, L0161708	,
	, L0161710	, L0161711	,			
L0161717	L0161712	, L0161713	, L0161714	, L0161715	, L0161716	,
	, L0161718	, L0161719	,			
L0161725	L0161720	, L0161721	, L0161722	, L0161723	, L0161724	,
	, L0161726	, L0161727	,			
L0161733	L0161728	, L0161729	, L0161730	, L0161731	, L0161732	,
	, L0161734	, L0161735	,			
L0161741	L0161736	, L0161737	, L0161738	, L0161739	, L0161740	,
	, L0161742	, L0161743	,			
L0161749	L0161744	, L0161745	, L0161746	, L0161747	, L0161748	,
	, L0161750	, L0161751	,			
L0161757	L0161752	, L0161753	, L0161754	, L0161755	, L0161756	,
	, L0161758	, L0161759	,			
L0161765	L0161760	, L0161761	, L0161762	, L0161763	, L0161764	,
	, L0161766	, L0161767	,			
L0161773	L0161768	, L0161769	, L0161770	, L0161771	, L0161772	,
	, L0161774	, L0161775	,			

L0161781      L0161776      , L0161777      , L0161778      , L0161779      , L0161780      ,  
                  , L0161782      , L0161783      ,  
  
 L0161789      L0161784      , L0161785      , L0161786      , L0161787      , L0161788      ,  
                  , L0161790      , L0161791      ,  
  
 L0161797      L0161792      , L0161793      , L0161794      , L0161795      , L0161796      ,  
                  , L0161798      , L0161799      ,  
  
 L0161805      L0161800      , L0161801      , L0161802      , L0161803      , L0161804      ,  
                  , L0161806      , L0161807      ,  
  
 L0161813      L0161808      , L0161809      , L0161810      , L0161811      , L0161812      ,  
                  , L0161814      , L0161815      ,  
  
 L0161821      L0161816      , L0161817      , L0161818      , L0161819      , L0161820      ,  
                  , L0161822      , L0161823      ,  
  
 L0161829      L0161824      , L0161825      , L0161826      , L0161827      , L0161828      ,  
                  , L0161830      , L0161831      ,  
  
 L0161837      L0161832      , L0161833      , L0161834      , L0161835      , L0161836      ,  
                  , L0161838      , L0161839      ,

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\*\*\* MODELOPTs:      RegDEFAULT      CONC      ELEV      FLGPOL      RURAL      ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID	SOURCE IDs
-----	-----
L0161845	L0161840 , L0161841 , L0161842 , L0161843 , L0161844 , , L0161846 , L0161847 ,
L0161853	L0161848 , L0161849 , L0161850 , L0161851 , L0161852 , , L0161854 , L0161855 ,
L0161861	L0161856 , L0161857 , L0161858 , L0161859 , L0161860 , , L0161862 , L0161863 ,
L0161869	L0161864 , L0161865 , L0161866 , L0161867 , L0161868 , , L0161870 , L0161871 ,

L0161877      L0161872 , L0161873 , L0161874 , L0161875 , L0161876 ,  
                   , L0161878 , L0161879 ,  
  
 L0161885      L0161880 , L0161881 , L0161882 , L0161883 , L0161884 ,  
                   , L0161886 , L0161887 ,  
  
 L0161893      L0161888 , L0161889 , L0161890 , L0161891 , L0161892 ,  
                   , L0161894 , L0161895 ,  
  
 L0161901      L0161896 , L0161897 , L0161898 , L0161899 , L0161900 ,  
                   , L0161902 , L0161903 ,  
  
 L0161909      L0161904 , L0161905 , L0161906 , L0161907 , L0161908 ,  
                   , L0161910 , L0161911 ,  
  
 L0161917      L0161912 , L0161913 , L0161914 , L0161915 , L0161916 ,  
                   , L0161918 , L0161919 ,  
  
 L0161925      L0161920 , L0161921 , L0161922 , L0161923 , L0161924 ,  
                   , L0161926 , L0161927 ,  
  
 L0161933      L0161928 , L0161929 , L0161930 , L0161931 , L0161932 ,  
                   , L0161934 , L0161935 ,  
  
 L0161941      L0161936 , L0161937 , L0161938 , L0161939 , L0161940 ,  
                   , L0161942 , L0161943 ,  
  
 L0161949      L0161944 , L0161945 , L0161946 , L0161947 , L0161948 ,  
                   , L0161950 , L0161951 ,  
  
 L0161957      L0161952 , L0161953 , L0161954 , L0161955 , L0161956 ,  
                   , L0161958 , L0161959 ,  
  
 L0161965      L0161960 , L0161961 , L0161962 , L0161963 , L0161964 ,  
                   , L0161966 , L0161967 ,  
  
 L0161973      L0161968 , L0161969 , L0161970 , L0161971 , L0161972 ,  
                   , L0161974 , L0161975 ,  
  
 L0161981      L0161976 , L0161977 , L0161978 , L0161979 , L0161980 ,  
                   , L0161982 , L0161983 ,  
  
 L0161989      L0161984 , L0161985 , L0161986 , L0161987 , L0161988 ,  
                   , L0161990 , L0161991 ,  
  
 L0161997      L0161992 , L0161993 , L0161994 , L0161995 , L0161996 ,  
                   , L0161998 , L0161999 ,

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID	SOURCE IDs					
-----	-----					
L0162005	L0162000	, L0162001	, L0162002	, L0162003	, L0162004	,
	, L0162006	, L0162007	,			
L0162013	L0162008	, L0162009	, L0162010	, L0162011	, L0162012	,
	, L0162014	, L0162015	,			
L0162021	L0162016	, L0162017	, L0162018	, L0162019	, L0162020	,
	, L0162022	, L0162023	,			
L0162029	L0162024	, L0162025	, L0162026	, L0162027	, L0162028	,
	, L0162030	, L0162031	,			
L0162037	L0162032	, L0162033	, L0162034	, L0162035	, L0162036	,
	, L0162038	, L0162039	,			
L0162045	L0162040	, L0162041	, L0162042	, L0162043	, L0162044	,
	, L0162046	, L0162047	,			
L0162053	L0162048	, L0162049	, L0162050	, L0162051	, L0162052	,
	, L0162054	, L0162055	,			
L0162061	L0162056	, L0162057	, L0162058	, L0162059	, L0162060	,
	, L0162062	, L0162063	,			
L0162069	L0162064	, L0162065	, L0162066	, L0162067	, L0162068	,
	, L0162070	, L0162071	,			
L0162077	L0162072	, L0162073	, L0162074	, L0162075	, L0162076	,
	, L0162078	, L0162079	,			
L0162085	L0162080	, L0162081	, L0162082	, L0162083	, L0162084	,
	, L0162086	, L0162087	,			
L0162093	L0162088	, L0162089	, L0162090	, L0162091	, L0162092	,
	, L0162094	, L0162095	,			
L0162101	L0162096	, L0162097	, L0162098	, L0162099	, L0162100	,
	, L0162102	, L0162103	,			

L0162109      L0162104      , L0162105      , L0162106      , L0162107      , L0162108      ,  
                   , L0162110      , L0162111      ,  
  
 L0162117      L0162112      , L0162113      , L0162114      , L0162115      , L0162116      ,  
                   , L0162118      , L0162119      ,  
  
 L0162125      L0162120      , L0162121      , L0162122      , L0162123      , L0162124      ,  
                   , L0162126      , L0162127      ,  
  
 L0162133      L0162128      , L0162129      , L0162130      , L0162131      , L0162132      ,  
                   , L0162134      , L0162135      ,  
  
 L0162141      L0162136      , L0162137      , L0162138      , L0162139      , L0162140      ,  
                   , L0162142      , L0162143      ,  
  
 L0162149      L0162144      , L0162145      , L0162146      , L0162147      , L0162148      ,  
                   , L0162150      , L0162151      ,  
  
 L0162157      L0162152      , L0162153      , L0162154      , L0162155      , L0162156      ,  
                   , L0162158      , L0162159      ,

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\*\*\* MODELOPTs:      RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID	SOURCE IDs
-----	-----
L0162165	L0162160      , L0162161      , L0162162      , L0162163      , L0162164      , , L0162166      , L0162167      ,
L0162173	L0162168      , L0162169      , L0162170      , L0162171      , L0162172      , , L0162174      , L0162175      ,
L0162181	L0162176      , L0162177      , L0162178      , L0162179      , L0162180      , , L0162182      , L0162183      ,
L0162189	L0162184      , L0162185      , L0162186      , L0162187      , L0162188      , , L0162190      , L0162191      ,
L0162197	L0162192      , L0162193      , L0162194      , L0162195      , L0162196      , , L0162198      , L0162199      ,

L0162205      L0162200      , L0162201      , L0162202      , L0162203      , L0162204      ,  
                  , L0162206      , L0162207      ,  
  
 L0162213      L0162208      , L0162209      , L0162210      , L0162211      , L0162212      ,  
                  , L0162214      , L0162215      ,  
  
 L0162221      L0162216      , L0162217      , L0162218      , L0162219      , L0162220      ,  
                  , L0162222      , L0162223      ,  
  
 L0162229      L0162224      , L0162225      , L0162226      , L0162227      , L0162228      ,  
                  , L0162230      , L0162231      ,  
  
 L0162237      L0162232      , L0162233      , L0162234      , L0162235      , L0162236      ,  
                  , L0162238      , L0162239      ,  
  
 L0162245      L0162240      , L0162241      , L0162242      , L0162243      , L0162244      ,  
                  , L0162246      , L0162247      ,  
  
 L0162253      L0162248      , L0162249      , L0162250      , L0162251      , L0162252      ,  
                  , L0162254      , L0162255      ,  
  
 L0162261      L0162256      , L0162257      , L0162258      , L0162259      , L0162260      ,  
                  , L0162262      , L0162263      ,  
  
 L0162269      L0162264      , L0162265      , L0162266      , L0162267      , L0162268      ,  
                  , L0162270      , L0162271      ,  
  
 L0162277      L0162272      , L0162273      , L0162274      , L0162275      , L0162276      ,  
                  , L0162278      , L0162279      ,  
  
 L0162285      L0162280      , L0162281      , L0162282      , L0162283      , L0162284      ,  
                  , L0162286      , L0162287      ,  
  
 L0162293      L0162288      , L0162289      , L0162290      , L0162291      , L0162292      ,  
                  , L0162294      , L0162295      ,  
  
 L0162301      L0162296      , L0162297      , L0162298      , L0162299      , L0162300      ,  
                  , L0162302      , L0162303      ,  
  
 L0162309      L0162304      , L0162305      , L0162306      , L0162307      , L0162308      ,  
                  , L0162310      , L0162311      ,  
  
 L0162317      L0162312      , L0162313      , L0162314      , L0162315      , L0162316      ,  
                  , L0162318      , L0162319      ,

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\*\*\* AERMET - VERSION 19191 \*\*\*      \*\*\*

\*\*\*      13:38:56

\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID	SOURCE IDs					
-----	-----					
L0162325	L0162320	, L0162321	, L0162322	, L0162323	, L0162324	,
	, L0162326	, L0162327	,			
L0162333	L0162328	, L0162329	, L0162330	, L0162331	, L0162332	,
	, L0162334	, L0162335	,			
L0162341	L0162336	, L0162337	, L0162338	, L0162339	, L0162340	,
	, L0162342	, L0162343	,			
L0162349	L0162344	, L0162345	, L0162346	, L0162347	, L0162348	,
	, L0162350	, L0162351	,			
L0162357	L0162352	, L0162353	, L0162354	, L0162355	, L0162356	,
	, L0162358	, L0162359	,			
L0162365	L0162360	, L0162361	, L0162362	, L0162363	, L0162364	,
	, L0162366	, L0162367	,			
L0162373	L0162368	, L0162369	, L0162370	, L0162371	, L0162372	,
	, L0162374	, L0162375	,			
L0162381	L0162376	, L0162377	, L0162378	, L0162379	, L0162380	,
	, L0162382	, L0162383	,			
L0162389	L0162384	, L0162385	, L0162386	, L0162387	, L0162388	,
	, L0162390	, L0162391	,			
L0162397	L0162392	, L0162393	, L0162394	, L0162395	, L0162396	,
	, L0162398	, L0162399	,			
L0162405	L0162400	, L0162401	, L0162402	, L0162403	, L0162404	,
	, L0162406	, L0162407	,			
L0162413	L0162408	, L0162409	, L0162410	, L0162411	, L0162412	,
	, L0162414	, L0162415	,			
L0162421	L0162416	, L0162417	, L0162418	, L0162419	, L0162420	,
	, L0162422	, L0162423	,			
	L0162424	, L0162425	, L0162426	, L0162427	, L0162428	,

L0162429 , L0162430 , L0162431 ,  
 L0162437 , L0162438 , L0162439 , L0162432 , L0162433 , L0162434 , L0162435 , L0162436 ,  
 L0162445 , L0162446 , L0162447 , L0162440 , L0162441 , L0162442 , L0162443 , L0162444 ,  
 L0162453 , L0162454 , L0162455 , L0162448 , L0162449 , L0162450 , L0162451 , L0162452 ,  
 L0162461 , L0162462 , L0162463 , L0162456 , L0162457 , L0162458 , L0162459 , L0162460 ,  
 L0162469 , L0162470 , L0162471 , L0162464 , L0162465 , L0162466 , L0162467 , L0162468 ,  
 L0162477 , L0162478 , L0162479 , L0162472 , L0162473 , L0162474 , L0162475 , L0162476 ,  
 \*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\apollo\Desktop\HARP2\HARP\Coyote  
 Creek\CC AERMOD\CC AERMOD.i \*\*\* 12/19/23  
 \*\*\* AERMET - VERSION 19191 \*\*\* \*\*\*  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID -----	SOURCE IDs -----
L0162485	L0162480 , L0162481 , L0162482 , L0162483 , L0162484 , L0162486 , L0162487 ,
L0162493	L0162488 , L0162489 , L0162490 , L0162491 , L0162492 , L0162494 , L0162495 ,
L0162501	L0162496 , L0162497 , L0162498 , L0162499 , L0162500 , L0162502 , L0162503 ,
L0162509	L0162504 , L0162505 , L0162506 , L0162507 , L0162508 , L0162510 , L0162511 ,
L0162517	L0162512 , L0162513 , L0162514 , L0162515 , L0162516 , L0162518 , L0162519 ,
	L0162520 , L0162521 , L0162522 , L0162523 , L0162524 ,

L0162525 , L0162526 , L0162527 ,  
 L0162533 , L0162534 , L0162535 , L0162536 , L0162537 , L0162538 , L0162539 , L0162540 ,  
 L0162541 , L0162542 , L0162543 , L0162544 , L0162545 , L0162546 , L0162547 , L0162548 ,  
 L0162549 , L0162550 , L0162551 , L0162552 , L0162553 , L0162554 , L0162555 , L0162556 ,  
 L0162557 , L0162558 , L0162559 , L0162560 , L0162561 , L0162562 , L0162563 , L0162564 ,  
 L0162565 , L0162566 , L0162567 , L0162568 , L0162569 , L0162570 , L0162571 , L0162572 ,  
 L0162573 , L0162574 , L0162575 , L0162576 , L0162577 , L0162578 , L0162579 , L0162580 ,  
 L0162581 , L0162582 , L0162583 , L0162584 , L0162585 , L0162586 , L0162587 , L0162588 ,  
 L0162589 , L0162590 , L0162591 , L0162592 , L0162593 , L0162594 , L0162595 , L0162596 ,  
 L0162597 , L0162598 , L0162599 , L0162600 , L0162601 , L0162602 , L0162603 , L0162604 ,  
 L0162605 , L0162606 , L0162607 , L0162608 , L0162609 , L0162610 , L0162611 , L0162612 ,  
 L0162613 , L0162614 , L0162615 , L0162616 , L0162617 , L0162618 , L0162619 , L0162620 ,  
 L0162621 , L0162622 , L0162623 , L0162624 , L0162625 , L0162626 , L0162627 , L0162628 ,  
 L0162629 , L0162630 , L0162631 , L0162632 , L0162633 , L0162634 , L0162635 , L0162636 ,  
 L0162637 , L0162638 , L0162639 ,

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 Creek\CC AERMOD\CC AERMOD.i \*\*\* 12/19/23

\*\*\* AERMET - VERSION 19191 \*\*\*

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\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID -----	SOURCE IDs -----					
L0162645	L0162640 , L0162646	, L0162641 , L0162647	, L0162642 ,	, L0162643	, L0162644	,
L0162653	L0162648 , L0162654	, L0162649 , L0162655	, L0162650 ,	, L0162651	, L0162652	,
L0162661	L0162656 , L0162662	, L0162657 , L0162663	, L0162658 ,	, L0162659	, L0162660	,
L0162669	L0162664 , L0162670	, L0162665 , L0162671	, L0162666 ,	, L0162667	, L0162668	,
L0162677	L0162672 , L0162678	, L0162673 , L0162679	, L0162674 ,	, L0162675	, L0162676	,
L0162685	L0162680 , L0162686	, L0162681 , L0162687	, L0162682 ,	, L0162683	, L0162684	,
L0162693	L0162688 , L0162694	, L0162689 , L0162695	, L0162690 ,	, L0162691	, L0162692	,
L0162701	L0162696 , L0162702	, L0162697 , L0162703	, L0162698 ,	, L0162699	, L0162700	,
L0162709	L0162704 , L0162710	, L0162705 , L0162711	, L0162706 ,	, L0162707	, L0162708	,
L0162717	L0162712 , L0162718	, L0162713 , L0162719	, L0162714 ,	, L0162715	, L0162716	,
L0162725	L0162720 , L0162726	, L0162721 , L0162727	, L0162722 ,	, L0162723	, L0162724	,
L0162733	L0162728 , L0162734	, L0162729 , L0162735	, L0162730 ,	, L0162731	, L0162732	,
L0162741	L0162736 , L0162742	, L0162737 , L0162743	, L0162738 ,	, L0162739	, L0162740	,
L0162749	L0162744 , L0162750	, L0162745 , L0162751	, L0162746 ,	, L0162747	, L0162748	,

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L0162757    L0162752 , L0162753 , L0162754 , L0162755 , L0162756 ,
            , L0162758 , L0162759 ,
L0162765    L0162760 , L0162761 , L0162762 , L0162763 , L0162764 ,
            , L0162766 , L0162767 ,
L0162773    L0162768 , L0162769 , L0162770 , L0162771 , L0162772 ,
            , L0162774 , L0162775 ,
L0162781    L0162776 , L0162777 , L0162778 , L0162779 , L0162780 ,
            , L0162782 , L0162783 ,
L0162789    L0162784 , L0162785 , L0162786 , L0162787 , L0162788 ,
            , L0162790 , L0162791 ,
L0162797    L0162792 , L0162793 , L0162794 , L0162795 , L0162796 ,
            , L0162798 , L0162799 ,
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID	SOURCE IDs
-----	-----
L0162805	L0162800 , L0162801 , L0162802 , L0162803 , L0162804 , , L0162806 , L0162807 ,
L0162813	L0162808 , L0162809 , L0162810 , L0162811 , L0162812 , , L0162814 , L0162815 ,
L0162821	L0162816 , L0162817 , L0162818 , L0162819 , L0162820 , , L0162822 , L0162823 ,
L0162829	L0162824 , L0162825 , L0162826 , L0162827 , L0162828 , , L0162830 , L0162831 ,
L0162837	L0162832 , L0162833 , L0162834 , L0162835 , L0162836 , , L0162838 , L0162839 ,
L0162845	L0162840 , L0162841 , L0162842 , L0162843 , L0162844 , , L0162846 , L0162847 ,



L0162853      L0162848      , L0162849      , L0162850      , L0162851      , L0162852      ,  
                  , L0162854      , L0162855      ,  
  
 L0162861      L0162856      , L0162857      , L0162858      , L0162859      , L0162860      ,  
                  , L0162862      , L0162863      ,  
  
 L0162869      L0162864      , L0162865      , L0162866      , L0162867      , L0162868      ,  
                  , L0162870      , L0162871      ,  
  
 L0162877      L0162872      , L0162873      , L0162874      , L0162875      , L0162876      ,  
                  , L0162878      , L0162879      ,  
  
 L0162885      L0162880      , L0162881      , L0162882      , L0162883      , L0162884      ,  
                  , L0162886      , L0162887      ,  
  
 L0162893      L0162888      , L0162889      , L0162890      , L0162891      , L0162892      ,  
                  , L0162894      , L0162895      ,  
  
 L0162901      L0162896      , L0162897      , L0162898      , L0162899      , L0162900      ,  
                  , L0162902      , L0162903      ,  
  
 L0162909      L0162904      , L0162905      , L0162906      , L0162907      , L0162908      ,  
                  , L0162910      , L0162911      ,  
  
 L0162917      L0162912      , L0162913      , L0162914      , L0162915      , L0162916      ,  
                  , L0162918      , L0162919      ,  
  
 L0162925      L0162920      , L0162921      , L0162922      , L0162923      , L0162924      ,  
                  , L0162926      , L0162927      ,  
  
 L0162933      L0162928      , L0162929      , L0162930      , L0162931      , L0162932      ,  
                  , L0162934      , L0162935      ,  
  
 L0162941      L0162936      , L0162937      , L0162938      , L0162939      , L0162940      ,  
                  , L0162942      , L0162943      ,  
  
 L0162949      L0162944      , L0162945      , L0162946      , L0162947      , L0162948      ,  
                  , L0162950      , L0162951      ,  
  
 L0162957      L0162952      , L0162953      , L0162954      , L0162955      , L0162956      ,  
                  , L0162958      , L0162959      ,

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
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\*\*\* AERMET - VERSION 19191 \*\*\*      \*\*\*

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\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID -----	SOURCE IDs -----					
L0162965	L0162960 , L0162966	, L0162961 , L0162967	, L0162962 ,	, L0162963	, L0162964	,
L0162973	L0162968 , L0162974	, L0162969 , L0162975	, L0162970 ,	, L0162971	, L0162972	,
L0162981	L0162976 , L0162982	, L0162977 , L0162983	, L0162978 ,	, L0162979	, L0162980	,
L0162989	L0162984 , L0162990	, L0162985 , L0162991	, L0162986 ,	, L0162987	, L0162988	,
L0162997	L0162992 , L0162998	, L0162993 , L0162999	, L0162994 ,	, L0162995	, L0162996	,
L0163005	L0163000 , L0163006	, L0163001 , L0163007	, L0163002 ,	, L0163003	, L0163004	,
L0163013	L0163008 , L0163014	, L0163009 , L0163015	, L0163010 ,	, L0163011	, L0163012	,
L0163021	L0163016 , L0163022	, L0163017 , L0163023	, L0163018 ,	, L0163019	, L0163020	,
L0163029	L0163024 , L0163030	, L0163025 , L0163031	, L0163026 ,	, L0163027	, L0163028	,
L0163037	L0163032 , L0163038	, L0163033 , L0163039	, L0163034 ,	, L0163035	, L0163036	,
L0163045	L0163040 , L0163046	, L0163041 , L0163047	, L0163042 ,	, L0163043	, L0163044	,
L0163053	L0163048 , L0163054	, L0163049 , L0163055	, L0163050 ,	, L0163051	, L0163052	,
L0163061	L0163056 , L0163062	, L0163057 , L0163063	, L0163058 ,	, L0163059	, L0163060	,
L0163069	L0163064 , L0163070	, L0163065 , L0163071	, L0163066 ,	, L0163067	, L0163068	,
L0163077	L0163072 , L0163078	, L0163073 , L0163079	, L0163074 ,	, L0163075	, L0163076	,

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L0163085      L0163080      , L0163081      , L0163082      , L0163083      , L0163084      ,
, L0163086      , L0163087      ,

L0163093      L0163088      , L0163089      , L0163090      , L0163091      , L0163092      ,
, L0163094      , L0163095      ,

L0163101      L0163096      , L0163097      , L0163098      , L0163099      , L0163100      ,
, L0163102      , L0163103      ,

L0163109      L0163104      , L0163105      , L0163106      , L0163107      , L0163108      ,
, L0163110      , L0163111      ,

L0163117      L0163112      , L0163113      , L0163114      , L0163115      , L0163116      ,
, L0163118      , L0163119      ,
^ *** AERMOD - VERSION 22112 ***      *** C:\Users\apoll\Desktop\HARP2\HARP\Coyote
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID	SOURCE IDs
-----	-----
L0163125	L0163120 , L0163121 , L0163122 , L0163123 , L0163124 , , L0163126 , L0163127 ,
L0163133	L0163128 , L0163129 , L0163130 , L0163131 , L0163132 , , L0163134 , L0163135 ,
L0163141	L0163136 , L0163137 , L0163138 , L0163139 , L0163140 , , L0163142 , L0163143 ,
L0163149	L0163144 , L0163145 , L0163146 , L0163147 , L0163148 , , L0163150 , L0163151 ,
L0163157	L0163152 , L0163153 , L0163154 , L0163155 , L0163156 , , L0163158 , L0163159 ,
L0163165	L0163160 , L0163161 , L0163162 , L0163163 , L0163164 , , L0163166 , L0163167 ,
L0163173	L0163168 , L0163169 , L0163170 , L0163171 , L0163172 , , L0163174 , L0163175 ,

L0163181      L0163176      , L0163177      , L0163178      , L0163179      , L0163180      ,  
                  , L0163182      , L0163183      ,  
  
 L0163189      L0163184      , L0163185      , L0163186      , L0163187      , L0163188      ,  
                  , L0163190      , L0163191      ,  
  
 L0163197      L0163192      , L0163193      , L0163194      , L0163195      , L0163196      ,  
                  , L0163198      , L0163199      ,  
  
 L0163205      L0163200      , L0163201      , L0163202      , L0163203      , L0163204      ,  
                  , L0163206      , L0163207      ,  
  
 L0163213      L0163208      , L0163209      , L0163210      , L0163211      , L0163212      ,  
                  , L0163214      , L0163215      ,  
  
 L0163221      L0163216      , L0163217      , L0163218      , L0163219      , L0163220      ,  
                  , L0163222      , L0163223      ,  
  
 L0163229      L0163224      , L0163225      , L0163226      , L0163227      , L0163228      ,  
                  , L0163230      , L0163231      ,  
  
 L0163237      L0163232      , L0163233      , L0163234      , L0163235      , L0163236      ,  
                  , L0163238      , L0163239      ,  
  
 L0163245      L0163240      , L0163241      , L0163242      , L0163243      , L0163244      ,  
                  , L0163246      , L0163247      ,  
  
 L0163253      L0163248      , L0163249      , L0163250      , L0163251      , L0163252      ,  
                  , L0163254      , L0163255      ,  
  
 L0163261      L0163256      , L0163257      , L0163258      , L0163259      , L0163260      ,  
                  , L0163262      , L0163263      ,  
  
 L0163269      L0163264      , L0163265      , L0163266      , L0163267      , L0163268      ,  
                  , L0163270      , L0163271      ,  
  
 L0163277      L0163272      , L0163273      , L0163274      , L0163275      , L0163276      ,  
                  , L0163278      , L0163279      ,

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\*\*\* AERMET - VERSION 19191 \*\*\*      \*\*\*  
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\*\*\* MODELOPTs:      RegDEFAULT      CONC      ELEV      FLGPOL      RURAL      ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID

-----

SOURCE IDs

-----

L0163285	L0163280 , L0163286	, L0163281 , L0163287	, L0163282 ,	, L0163283	, L0163284	,
L0163293	L0163288 , L0163294	, L0163289 , L0163295	, L0163290 ,	, L0163291	, L0163292	,
L0163301	L0163296 , L0163302	, L0163297 , L0163303	, L0163298 ,	, L0163299	, L0163300	,
L0163309	L0163304 , L0163310	, L0163305 , L0163311	, L0163306 ,	, L0163307	, L0163308	,
L0163317	L0163312 , L0163318	, L0163313 , L0163319	, L0163314 ,	, L0163315	, L0163316	,
L0163325	L0163320 , L0163326	, L0163321 , L0163327	, L0163322 ,	, L0163323	, L0163324	,
L0163333	L0163328 , L0163334	, L0163329 , L0163335	, L0163330 ,	, L0163331	, L0163332	,
L0163341	L0163336 , L0163342	, L0163337 , L0163343	, L0163338 ,	, L0163339	, L0163340	,
L0163349	L0163344 , L0163350	, L0163345 , L0163351	, L0163346 ,	, L0163347	, L0163348	,
L0163357	L0163352 , L0163358	, L0163353 , L0163359	, L0163354 ,	, L0163355	, L0163356	,
L0163365	L0163360 , L0163366	, L0163361 , L0163367	, L0163362 ,	, L0163363	, L0163364	,
L0163373	L0163368 , L0163374	, L0163369 , L0163375	, L0163370 ,	, L0163371	, L0163372	,
L0163381	L0163376 , L0163382	, L0163377 , L0163383	, L0163378 ,	, L0163379	, L0163380	,
L0163389	L0163384 , L0163390	, L0163385 , L0163391	, L0163386 ,	, L0163387	, L0163388	,
L0163397	L0163392 , L0163398	, L0163393 , L0163399	, L0163394 ,	, L0163395	, L0163396	,
	L0163400	, L0163401	, L0163402	, L0163403	, L0163404	,

L0163405 , L0163406 , L0163407 ,  
 L0163413 , L0163414 , L0163415 ,  
 L0163421 , L0163422 , L0163423 ,  
 L0163429 , L0163430 , L0163431 ,  
 L0163437 , L0163438 , L0163439 ,

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID -----	SOURCE IDs -----
L0163445	L0163440 , L0163441 , L0163442 , L0163443 , L0163444 , , L0163446 , L0163447 ,
L0163453	L0163448 , L0163449 , L0163450 , L0163451 , L0163452 , , L0163454 , L0163455 ,
L0163461	L0163456 , L0163457 , L0163458 , L0163459 , L0163460 , , L0163462 , L0163463 ,
L0163469	L0163464 , L0163465 , L0163466 , L0163467 , L0163468 , , L0163470 , L0163471 ,
L0163477	L0163472 , L0163473 , L0163474 , L0163475 , L0163476 , , L0163478 , L0163479 ,
L0163485	L0163480 , L0163481 , L0163482 , L0163483 , L0163484 , , L0163486 , L0163487 ,
L0163493	L0163488 , L0163489 , L0163490 , L0163491 , L0163492 , , L0163494 , L0163495 ,
	L0163496 , L0163497 , L0163498 , L0163499 , L0163500 ,

L0163501 , L0163502 , L0163503 ,  
 L0163509 , L0163510 , L0163511 ,  
 L0163517 , L0163518 , L0163519 ,  
 L0163525 , L0163526 , L0163527 ,  
 L0163533 , L0163534 , L0163535 ,  
 L0163541 , L0163542 , L0163543 ,  
 L0163549 , L0163550 , L0163551 ,  
 L0163557 , L0163558 , L0163559 ,  
 L0163565 , L0163566 , L0163567 ,  
 L0163573 , L0163574 , L0163575 ,  
 L0163581 , L0163582 , L0163583 ,  
 L0163589 , L0163590 , L0163591 ,  
 L0163597 , L0163598 , L0163599 ,

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 Creek\CC AERMOD\CC AERMOD.i \*\*\* 12/19/23

\*\*\* AERMET - VERSION 19191 \*\*\*  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID  
-----

SOURCE IDs  
-----

L0163605	L0163600 , L0163606	, L0163601 , L0163607	, L0163602 ,	, L0163603	, L0163604	,
L0163613	L0163608 , L0163614	, L0163609 , L0163615	, L0163610 ,	, L0163611	, L0163612	,
L0163621	L0163616 , L0163622	, L0163617 , L0163623	, L0163618 ,	, L0163619	, L0163620	,
L0163629	L0163624 , L0163630	, L0163625 , L0163631	, L0163626 ,	, L0163627	, L0163628	,
L0163637	L0163632 , L0163638	, L0163633 , L0163639	, L0163634 ,	, L0163635	, L0163636	,
L0163645	L0163640 , L0163646	, L0163641 , L0163647	, L0163642 ,	, L0163643	, L0163644	,
L0163653	L0163648 , L0163654	, L0163649 , L0163655	, L0163650 ,	, L0163651	, L0163652	,
L0163661	L0163656 , L0163662	, L0163657 , L0163663	, L0163658 ,	, L0163659	, L0163660	,
L0163669	L0163664 , L0163670	, L0163665 , L0163671	, L0163666 ,	, L0163667	, L0163668	,
L0163677	L0163672 , L0163678	, L0163673 , L0163679	, L0163674 ,	, L0163675	, L0163676	,
L0163685	L0163680 , L0163686	, L0163681 , L0163687	, L0163682 ,	, L0163683	, L0163684	,
L0163693	L0163688 , L0163694	, L0163689 , L0163695	, L0163690 ,	, L0163691	, L0163692	,
L0163701	L0163696 , L0163702	, L0163697 , L0163703	, L0163698 ,	, L0163699	, L0163700	,
L0163709	L0163704 , L0163710	, L0163705 , L0163711	, L0163706 ,	, L0163707	, L0163708	,
L0163717	L0163712 , L0163718	, L0163713 , L0163719	, L0163714 ,	, L0163715	, L0163716	,
L0163725	L0163720 , L0163726	, L0163721 , L0163727	, L0163722 ,	, L0163723	, L0163724	,



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L0163733      L0163728      , L0163729      , L0163730      , L0163731      , L0163732      ,
              , L0163734      , L0163735      ,
L0163741      L0163736      , L0163737      , L0163738      , L0163739      , L0163740      ,
              , L0163742      , L0163743      ,
L0163749      L0163744      , L0163745      , L0163746      , L0163747      , L0163748      ,
              , L0163750      , L0163751      ,
L0163757      L0163752      , L0163753      , L0163754      , L0163755      , L0163756      ,
              , L0163758      , L0163759      ,
^ *** AERMOD - VERSION 22112 ***      *** C:\Users\apoll\Desktop\HARP2\HARP\Coyote
Creek\CC AERMOD\CC AERMOD.i ***      12/19/23
*** AERMET - VERSION 19191 ***      ***
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID	SOURCE IDs
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L0163765	L0163760 , L0163761 , L0163762 , L0163763 , L0163764 , , L0163766 , L0163767 ,
L0163773	L0163768 , L0163769 , L0163770 , L0163771 , L0163772 , , L0163774 , L0163775 ,
L0163781	L0163776 , L0163777 , L0163778 , L0163779 , L0163780 , , L0163782 , L0163783 ,
L0163789	L0163784 , L0163785 , L0163786 , L0163787 , L0163788 , , L0163790 , L0163791 ,
L0163797	L0163792 , L0163793 , L0163794 , L0163795 , L0163796 , , L0163798 , L0163799 ,
L0163805	L0163800 , L0163801 , L0163802 , L0163803 , L0163804 , , L0163806 , L0163807 ,
L0163813	L0163808 , L0163809 , L0163810 , L0163811 , L0163812 , , L0163814 , L0163815 ,
L0163821	L0163816 , L0163817 , L0163818 , L0163819 , L0163820 , , L0163822 , L0163823 ,

L0163829      L0163824      , L0163825      , L0163826      , L0163827      , L0163828      ,  
                   , L0163830      , L0163831      ,  
  
 L0163837      L0163832      , L0163833      , L0163834      , L0163835      , L0163836      ,  
                   , L0163838      , L0163839      ,  
  
 L0163845      L0163840      , L0163841      , L0163842      , L0163843      , L0163844      ,  
                   , L0163846      , L0163847      ,  
  
 L0163853      L0163848      , L0163849      , L0163850      , L0163851      , L0163852      ,  
                   , L0163854      , L0163855      ,  
  
 L0163861      L0163856      , L0163857      , L0163858      , L0163859      , L0163860      ,  
                   , L0163862      , L0163863      ,  
  
 L0163869      L0163864      , L0163865      , L0163866      , L0163867      , L0163868      ,  
                   , L0163870      , L0163871      ,  
  
 L0163877      L0163872      , L0163873      , L0163874      , L0163875      , L0163876      ,  
                   , L0163878      , L0163879      ,  
  
 L0163885      L0163880      , L0163881      , L0163882      , L0163883      , L0163884      ,  
                   , L0163886      , L0163887      ,  
  
 L0163893      L0163888      , L0163889      , L0163890      , L0163891      , L0163892      ,  
                   , L0163894      , L0163895      ,  
  
 L0163901      L0163896      , L0163897      , L0163898      , L0163899      , L0163900      ,  
                   , L0163902      , L0163903      ,  
  
 L0163909      L0163904      , L0163905      , L0163906      , L0163907      , L0163908      ,  
                   , L0163910      , L0163911      ,  
  
 L0163917      L0163912      , L0163913      , L0163914      , L0163915      , L0163916      ,  
                   , L0163918      , L0163919      ,

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\*\*\* MODELOPTs:      RegDEFAULT      CONC      ELEV      FLGPOL      RURAL      ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID  
 -----

SOURCE IDs  
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L0163925 L0163920 , L0163921 , L0163922 , L0163923 , L0163924 ,  
, L0163926 , L0163927 , ,

L0163933 L0163928 , L0163929 , L0163930 , L0163931 , L0163932 ,  
, L0163934 , L0163935 , ,

L0163941 L0163936 , L0163937 , L0163938 , L0163939 , L0163940 ,  
, L0163942 , L0163943 , ,

L0163949 L0163944 , L0163945 , L0163946 , L0163947 , L0163948 ,  
, L0163950 , L0163951 , ,

L0163957 L0163952 , L0163953 , L0163954 , L0163955 , L0163956 ,  
, L0163958 , L0163959 , ,

L0163965 L0163960 , L0163961 , L0163962 , L0163963 , L0163964 ,  
, L0163966 , L0163967 , ,

L0163973 L0163968 , L0163969 , L0163970 , L0163971 , L0163972 ,  
, L0163974 , L0163975 , ,

L0163981 L0163976 , L0163977 , L0163978 , L0163979 , L0163980 ,  
, L0163982 , L0163983 , ,

L0163989 L0163984 , L0163985 , L0163986 , L0163987 , L0163988 ,  
, L0163990 , L0163991 , ,

L0163997 L0163992 , L0163993 , L0163994 , L0163995 , L0163996 ,  
, L0163998 , L0163999 , ,

L0164005 L0164000 , L0164001 , L0164002 , L0164003 , L0164004 ,  
, L0164006 , L0164007 , ,

L0164013 L0164008 , L0164009 , L0164010 , L0164011 , L0164012 ,  
, L0164014 , L0164015 , ,

L0164021 L0164016 , L0164017 , L0164018 , L0164019 , L0164020 ,  
, L0164022 , L0164023 , ,

L0164029 L0164024 , L0164025 , L0164026 , L0164027 , L0164028 ,  
, L0164030 , L0164031 , ,

L0164037 L0164032 , L0164033 , L0164034 , L0164035 , L0164036 ,  
, L0164038 , L0164039 , ,

L0164045 L0164040 , L0164041 , L0164042 , L0164043 , L0164044 ,  
, L0164046 , L0164047 , ,

L0164053 L0164048 , L0164049 , L0164050 , L0164051 , L0164052 ,  
, L0164054 , L0164055 , ,

L0164061      L0164056      , L0164057      , L0164058      , L0164059      , L0164060      ,  
                 , L0164062      , L0164063      ,

L0164069      L0164064      , L0164065      , L0164066      , L0164067      , L0164068      ,  
                 , L0164070      , L0164071      ,

L0164077      L0164072      , L0164073      , L0164074      , L0164075      , L0164076      ,  
                 , L0164078      , L0164079      ,

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\*\*\* MODELOPTs:      RegDEFAULT      CONC      ELEV      FLGPOL      RURAL      ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID  
-----

SOURCE IDs  
-----

L0164085      L0164080      , L0164081      , L0164082      , L0164083      , L0164084      ,  
                 , L0164086      , L0164087      ,

L0164093      L0164088      , L0164089      , L0164090      , L0164091      , L0164092      ,  
                 , L0164094      , L0164095      ,

L0164101      L0164096      , L0164097      , L0164098      , L0164099      , L0164100      ,  
                 , L0164102      , L0164103      ,

L0164109      L0164104      , L0164105      , L0164106      , L0164107      , L0164108      ,  
                 , L0164110      , L0164111      ,

L0164117      L0164112      , L0164113      , L0164114      , L0164115      , L0164116      ,  
                 , L0164118      , L0164119      ,

L0164125      L0164120      , L0164121      , L0164122      , L0164123      , L0164124      ,  
                 , L0164126      , L0164127      ,

L0164133      L0164128      , L0164129      , L0164130      , L0164131      , L0164132      ,  
                 , L0164134      , L0164135      ,

L0164141      L0164136      , L0164137      , L0164138      , L0164139      , L0164140      ,  
                 , L0164142      , L0164143      ,

L0164149      L0164144      , L0164145      , L0164146      , L0164147      , L0164148      ,  
                 , L0164150      , L0164151      ,

L0164157      L0164152      , L0164153      , L0164154      , L0164155      , L0164156      ,  
                  , L0164158      , L0164159      ,  
  
 L0164165      L0164160      , L0164161      , L0164162      , L0164163      , L0164164      ,  
                  , L0164166      , L0164167      ,  
  
 L0164173      L0164168      , L0164169      , L0164170      , L0164171      , L0164172      ,  
                  , L0164174      , L0164175      ,  
  
 L0164181      L0164176      , L0164177      , L0164178      , L0164179      , L0164180      ,  
                  , L0164182      , L0164183      ,  
  
 L0164189      L0164184      , L0164185      , L0164186      , L0164187      , L0164188      ,  
                  , L0164190      , L0164191      ,  
  
 L0164197      L0164192      , L0164193      , L0164194      , L0164195      , L0164196      ,  
                  , L0164198      , L0164199      ,  
  
 L0164205      L0164200      , L0164201      , L0164202      , L0164203      , L0164204      ,  
                  , L0164206      , L0164207      ,  
  
 L0164213      L0164208      , L0164209      , L0164210      , L0164211      , L0164212      ,  
                  , L0164214      , L0164215      ,  
  
 L0164221      L0164216      , L0164217      , L0164218      , L0164219      , L0164220      ,  
                  , L0164222      , L0164223      ,  
  
 L0164229      L0164224      , L0164225      , L0164226      , L0164227      , L0164228      ,  
                  , L0164230      , L0164231      ,  
  
 L0164237      L0164232      , L0164233      , L0164234      , L0164235      , L0164236      ,  
                  , L0164238      , L0164239      ,

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\*\*\* MODELOPTs:      RegDEFAULT      CONC      ELEV      FLGPOL      RURAL      ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID  
 -----

SOURCE IDs  
 -----

L0164245      L0164240      , L0164241      , L0164242      , L0164243      , L0164244      ,  
                  , L0164246      , L0164247      ,

L0164253 L0164248 , L0164249 , L0164250 , L0164251 , L0164252 ,  
, L0164254 , L0164255 , ,

L0164261 L0164256 , L0164257 , L0164258 , L0164259 , L0164260 ,  
, L0164262 , L0164263 , ,

L0164269 L0164264 , L0164265 , L0164266 , L0164267 , L0164268 ,  
, L0164270 , L0164271 , ,

L0164277 L0164272 , L0164273 , L0164274 , L0164275 , L0164276 ,  
, L0164278 , L0164279 , ,

L0164285 L0164280 , L0164281 , L0164282 , L0164283 , L0164284 ,  
, L0164286 , L0164287 , ,

L0164293 L0164288 , L0164289 , L0164290 , L0164291 , L0164292 ,  
, L0164294 , L0164295 , ,

L0164301 L0164296 , L0164297 , L0164298 , L0164299 , L0164300 ,  
, L0164302 , L0164303 , ,

L0164309 L0164304 , L0164305 , L0164306 , L0164307 , L0164308 ,  
, L0164310 , L0164311 , ,

L0164317 L0164312 , L0164313 , L0164314 , L0164315 , L0164316 ,  
, L0164318 , L0164319 , ,

L0164325 L0164320 , L0164321 , L0164322 , L0164323 , L0164324 ,  
, L0164326 , L0164327 , ,

L0164333 L0164328 , L0164329 , L0164330 , L0164331 , L0164332 ,  
, L0164334 , L0164335 , ,

L0164341 L0164336 , L0164337 , L0164338 , L0164339 , L0164340 ,  
, L0164342 , L0164343 , ,

L0164349 L0164344 , L0164345 , L0164346 , L0164347 , L0164348 ,  
, L0164350 , L0164351 , ,

L0164357 L0164352 , L0164353 , L0164354 , L0164355 , L0164356 ,  
, L0164358 , L0164359 , ,

L0164365 L0164360 , L0164361 , L0164362 , L0164363 , L0164364 ,  
, L0164366 , L0164367 , ,

L0164373 L0164368 , L0164369 , L0164370 , L0164371 , L0164372 ,  
, L0164374 , L0164375 , ,

L0164376 , L0164377 , L0164378 , L0164379 , L0164380 ,

L0164381 , L0164382 , L0164383 ,  
           L0164384 , L0164385 , L0164386 , L0164387 , L0164388 ,  
 L0164389 , L0164390 , L0164391 ,  
           L0164392 , L0164393 , L0164394 , L0164395 , L0164396 ,  
 L0164397 , L0164398 , L0164399 ,  
 ▲ \*\*\* AERMOD - VERSION 22112 \*\*\*   \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
 Creek\CC AERMOD\CC AERMOD.i \*\*\*           12/19/23  
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\*\*\* MODELOPTs:    RegDEFAULT   CONC   ELEV   FLGPOL   RURAL   ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID -----	SOURCE IDs -----
L0164405	L0164400 , L0164401 , L0164402 , L0164403 , L0164404 , L0164405 , L0164406 , L0164407 ,
L0164413	L0164408 , L0164409 , L0164410 , L0164411 , L0164412 , L0164413 , L0164414 , L0164415 ,
L0164421	L0164416 , L0164417 , L0164418 , L0164419 , L0164420 , L0164421 , L0164422 , L0164423 ,
L0164429	L0164424 , L0164425 , L0164426 , L0164427 , L0164428 , L0164429 , L0164430 , L0164431 ,
L0164437	L0164432 , L0164433 , L0164434 , L0164435 , L0164436 , L0164437 , L0164438 , L0164439 ,
L0164445	L0164440 , L0164441 , L0164442 , L0164443 , L0164444 , L0164445 , L0164446 , L0164447 ,
L0164453	L0164448 , L0164449 , L0164450 , L0164451 , L0164452 , L0164453 , L0164454 , L0164455 ,
L0164461	L0164456 , L0164457 , L0164458 , L0164459 , L0164460 , L0164461 , L0164462 , L0164463 ,
L0164469	L0164464 , L0164465 , L0164466 , L0164467 , L0164468 , L0164469 , L0164470 , L0164471 ,
	L0164472 , L0164473 , L0164474 , L0164475 , L0164476 ,

L0164477 , L0164478 , L0164479 ,  
 L0164485 , L0164480 , L0164481 , L0164482 , L0164483 , L0164484 ,  
 L0164493 , L0164486 , L0164487 , L0164488 , L0164489 , L0164490 , L0164491 , L0164492 ,  
 L0164501 , L0164494 , L0164495 , L0164496 , L0164497 , L0164498 , L0164499 , L0164500 ,  
 L0164509 , L0164504 , L0164505 , L0164506 , L0164507 , L0164508 ,  
 L0164517 , L0164510 , L0164511 , L0164512 , L0164513 , L0164514 , L0164515 , L0164516 ,  
 L0164525 , L0164518 , L0164519 , L0164520 , L0164521 , L0164522 , L0164523 , L0164524 ,  
 L0164533 , L0164526 , L0164527 , L0164528 , L0164529 , L0164530 , L0164531 , L0164532 ,  
 L0164541 , L0164534 , L0164535 , L0164536 , L0164537 , L0164538 , L0164539 , L0164540 ,  
 L0164549 , L0164542 , L0164543 , L0164544 , L0164545 , L0164546 , L0164547 , L0164548 ,  
 L0164557 , L0164550 , L0164551 , L0164552 , L0164553 , L0164554 , L0164555 , L0164556 ,

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID	SOURCE IDs
-----	-----
L0164565	L0164560 , L0164561 , L0164562 , L0164563 , L0164564 , , L0164566 , L0164567 ,
	L0164568 , L0164569 , L0164570 , L0164571 , L0164572 ,



L0164573 , L0164574 , L0164575 ,  
L0164581 , L0164576 , L0164577 , L0164578 , L0164579 , L0164580 ,  
L0164589 , L0164582 , L0164583 , L0164584 , L0164585 , L0164586 , L0164587 , L0164588 ,  
L0164597 , L0164590 , L0164591 , L0164592 , L0164593 , L0164594 , L0164595 , L0164596 ,  
L0164605 , L0164600 , L0164601 , L0164602 , L0164603 , L0164604 ,  
L0164613 , L0164606 , L0164607 , L0164608 , L0164609 , L0164610 , L0164611 , L0164612 ,  
L0164621 , L0164614 , L0164615 , L0164616 , L0164617 , L0164618 , L0164619 , L0164620 ,  
L0164629 , L0164622 , L0164623 , L0164624 , L0164625 , L0164626 , L0164627 , L0164628 ,  
L0164637 , L0164630 , L0164631 , L0164632 , L0164633 , L0164634 , L0164635 , L0164636 ,  
L0164645 , L0164638 , L0164639 , L0164640 , L0164641 , L0164642 , L0164643 , L0164644 ,  
L0164653 , L0164646 , L0164647 , L0164648 , L0164649 , L0164650 , L0164651 , L0164652 ,  
L0164661 , L0164654 , L0164655 , L0164656 , L0164657 , L0164658 , L0164659 , L0164660 ,  
L0164669 , L0164662 , L0164663 , L0164664 , L0164665 , L0164666 , L0164667 , L0164668 ,  
L0164677 , L0164670 , L0164671 , L0164672 , L0164673 , L0164674 , L0164675 , L0164676 ,  
L0164685 , L0164678 , L0164679 , L0164680 , L0164681 , L0164682 , L0164683 , L0164684 ,  
L0164693 , L0164686 , L0164687 , L0164688 , L0164689 , L0164690 , L0164691 , L0164692 ,  
L0164701 , L0164694 , L0164695 , L0164696 , L0164697 , L0164698 , L0164699 , L0164700 ,

L0164704 , L0164705 , L0164706 , L0164707 , L0164708 ,  
L0164709 , L0164710 , L0164711 ,

L0164712 , L0164713 , L0164714 , L0164715 , L0164716 ,  
L0164717 , L0164718 , L0164719 ,

▲ \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID	SOURCE IDs
-----	-----
L0164725	L0164720 , L0164721 , L0164722 , L0164723 , L0164724 , L0164726 , L0164727 ,
L0164733	L0164728 , L0164729 , L0164730 , L0164731 , L0164732 , L0164734 , L0164735 ,
L0164741	L0164736 , L0164737 , L0164738 , L0164739 , L0164740 , L0164742 , L0164743 ,
L0164749	L0164744 , L0164745 , L0164746 , L0164747 , L0164748 , L0164750 , L0164751 ,
L0164757	L0164752 , L0164753 , L0164754 , L0164755 , L0164756 , L0164758 , L0164759 ,
L0164765	L0164760 , L0164761 , L0164762 , L0164763 , L0164764 , L0164766 , L0164767 ,
L0164773	L0164768 , L0164769 , L0164770 , L0164771 , L0164772 , L0164774 , L0164775 ,
L0164781	L0164776 , L0164777 , L0164778 , L0164779 , L0164780 , L0164782 , L0164783 ,
L0164789	L0164784 , L0164785 , L0164786 , L0164787 , L0164788 , L0164790 , L0164791 ,
L0164797	L0164792 , L0164793 , L0164794 , L0164795 , L0164796 , L0164798 , L0164799 ,

L0164805      L0164800    , L0164801    , L0164802    , L0164803    , L0164804    ,  
                   , L0164806    , L0164807    ,  
  
 L0164813      L0164808    , L0164809    , L0164810    , L0164811    , L0164812    ,  
                   , L0164814    , L0164815    ,  
  
 L0164821      L0164816    , L0164817    , L0164818    , L0164819    , L0164820    ,  
                   , L0164822    , L0164823    ,  
  
 L0164829      L0164824    , L0164825    , L0164826    , L0164827    , L0164828    ,  
                   , L0164830    , L0164831    ,  
  
 L0164837      L0164832    , L0164833    , L0164834    , L0164835    , L0164836    ,  
                   , L0164838    , L0164839    ,  
  
 L0164845      L0164840    , L0164841    , L0164842    , L0164843    , L0164844    ,  
                   , L0164846    , L0164847    ,  
  
 L0164853      L0164848    , L0164849    , L0164850    , L0164851    , L0164852    ,  
                   , L0164854    , L0164855    ,  
  
 L0164861      L0164856    , L0164857    , L0164858    , L0164859    , L0164860    ,  
                   , L0164862    , L0164863    ,  
  
 L0164869      L0164864    , L0164865    , L0164866    , L0164867    , L0164868    ,  
                   , L0164870    , L0164871    ,  
  
 L0164877      L0164872    , L0164873    , L0164874    , L0164875    , L0164876    ,  
                   , L0164878    , L0164879    ,

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 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
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\*\*\* MODELOPTs:      RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID	SOURCE IDs
-----	-----
L0164885	L0164880    , L0164881    , L0164882    , L0164883    , L0164884    , , L0164886    , L0164887    ,
L0164893	L0164888    , L0164889    , L0164890    , L0164891    , L0164892    , , L0164894    , L0164895    ,

L0164901 L0164896 , L0164897 , L0164898 , L0164899 , L0164900 ,  
, L0164902 , L0164903 , ,

L0164909 L0164904 , L0164905 , L0164906 , L0164907 , L0164908 ,  
, L0164910 , L0164911 , ,

L0164917 L0164912 , L0164913 , L0164914 , L0164915 , L0164916 ,  
, L0164918 , L0164919 , ,

L0164925 L0164920 , L0164921 , L0164922 , L0164923 , L0164924 ,  
, L0164926 , L0164927 , ,

L0164933 L0164928 , L0164929 , L0164930 , L0164931 , L0164932 ,  
, L0164934 , L0164935 , ,

L0164941 L0164936 , L0164937 , L0164938 , L0164939 , L0164940 ,  
, L0164942 , L0164943 , ,

L0164949 L0164944 , L0164945 , L0164946 , L0164947 , L0164948 ,  
, L0164950 , L0164951 , ,

L0164957 L0164952 , L0164953 , L0164954 , L0164955 , L0164956 ,  
, L0164958 , L0164959 , ,

L0164965 L0164960 , L0164961 , L0164962 , L0164963 , L0164964 ,  
, L0164966 , L0164967 , ,

L0164973 L0164968 , L0164969 , L0164970 , L0164971 , L0164972 ,  
, L0164974 , L0164975 , ,

L0164981 L0164976 , L0164977 , L0164978 , L0164979 , L0164980 ,  
, L0164982 , L0164983 , ,

L0164989 L0164984 , L0164985 , L0164986 , L0164987 , L0164988 ,  
, L0164990 , L0164991 , ,

L0164997 L0164992 , L0164993 , L0164994 , L0164995 , L0164996 ,  
, L0164998 , L0164999 , ,

L0165005 L0165000 , L0165001 , L0165002 , L0165003 , L0165004 ,  
, L0165006 , L0165007 , ,

L0165013 L0165008 , L0165009 , L0165010 , L0165011 , L0165012 ,  
, L0165014 , L0165015 , ,

L0165021 L0165016 , L0165017 , L0165018 , L0165019 , L0165020 ,  
, L0165022 , L0165023 , ,

L0165029 L0165024 , L0165025 , L0165026 , L0165027 , L0165028 ,  
, L0165030 , L0165031 , ,

L0165032 , L0165033 , L0165034 , L0165035 , L0165036 ,  
 L0165037 , L0165038 , L0165039 ,  
 \*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
 Creek\CC AERMOD\CC AERMOD.i \*\*\* 12/19/23  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID	SOURCE IDs
-----	-----
L0165045	L0165040 , L0165041 , L0165042 , L0165043 , L0165044 , L0165045 , L0165046 , L0165047 ,
L0165053	L0165048 , L0165049 , L0165050 , L0165051 , L0165052 , L0165053 , L0165054 , L0165055 ,
L0165061	L0165056 , L0165057 , L0165058 , L0165059 , L0165060 , L0165061 , L0165062 , L0165063 ,
L0165069	L0165064 , L0165065 , L0165066 , L0165067 , L0165068 , L0165069 , L0165070 , L0165071 ,
L0165077	L0165072 , L0165073 , L0165074 , L0165075 , L0165076 , L0165077 , L0165078 , L0165079 ,
L0165085	L0165080 , L0165081 , L0165082 , L0165083 , L0165084 , L0165085 , L0165086 , L0165087 ,
L0165093	L0165088 , L0165089 , L0165090 , L0165091 , L0165092 , L0165093 , L0165094 , L0165095 ,
L0165101	L0165096 , L0165097 , L0165098 , L0165099 , L0165100 , L0165101 , L0165102 , L0165103 ,
L0165109	L0165104 , L0165105 , L0165106 , L0165107 , L0165108 , L0165109 , L0165110 , L0165111 ,
L0165117	L0165112 , L0165113 , L0165114 , L0165115 , L0165116 , L0165117 , L0165118 , L0165119 ,
L0165125	L0165120 , L0165121 , L0165122 , L0165123 , L0165124 , L0165125 , L0165126 , L0165127 ,

L0165133      L0165128      , L0165129      , L0165130      , L0165131      , L0165132      ,  
                  , L0165134      , L0165135      ,  
  
 L0165141      L0165136      , L0165137      , L0165138      , L0165139      , L0165140      ,  
                  , L0165142      , L0165143      ,  
  
 L0165149      L0165144      , L0165145      , L0165146      , L0165147      , L0165148      ,  
                  , L0165150      , L0165151      ,  
  
 L0165157      L0165152      , L0165153      , L0165154      , L0165155      , L0165156      ,  
                  , L0165158      , L0165159      ,  
  
 L0165165      L0165160      , L0165161      , L0165162      , L0165163      , L0165164      ,  
                  , L0165166      , L0165167      ,  
  
 L0165173      L0165168      , L0165169      , L0165170      , L0165171      , L0165172      ,  
                  , L0165174      , L0165175      ,  
  
 L0165181      L0165176      , L0165177      , L0165178      , L0165179      , L0165180      ,  
                  , L0165182      , L0165183      ,  
  
 L0165189      L0165184      , L0165185      , L0165186      , L0165187      , L0165188      ,  
                  , L0165190      , L0165191      ,  
  
 L0165197      L0165192      , L0165193      , L0165194      , L0165195      , L0165196      ,  
                  , L0165198      , L0165199      ,

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\*\*\* MODELOPTs:      RegDEFAULT      CONC      ELEV      FLGPOL      RURAL      ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID	SOURCE IDs
-----	-----
L0165205	L0165200      , L0165201      , L0165202      , L0165203      , L0165204      , , L0165206      , L0165207      ,
L0165213	L0165208      , L0165209      , L0165210      , L0165211      , L0165212      , , L0165214      , L0165215      ,
L0165221	L0165216      , L0165217      , L0165218      , L0165219      , L0165220      , , L0165222      , L0165223      ,

L0165229      L0165224 , L0165225 , L0165226 , L0165227 , L0165228 ,  
                  , L0165230 , L0165231 ,  
L0165237      L0165232 , L0165233 , L0165234 , L0165235 , L0165236 ,  
                  , L0165238 , L0165239 ,  
L0165245      L0165240 , L0165241 , L0165242 , L0165243 , L0165244 ,  
                  , L0165246 , L0165247 ,  
L0165253      L0165248 , L0165249 , L0165250 , L0165251 , L0165252 ,  
                  , L0165254 , L0165255 ,  
L0165261      L0165256 , L0165257 , L0165258 , L0165259 , L0165260 ,  
                  , L0165262 , L0165263 ,  
L0165269      L0165264 , L0165265 , L0165266 , L0165267 , L0165268 ,  
                  , L0165270 , L0165271 ,  
L0165277      L0165272 , L0165273 , L0165274 , L0165275 , L0165276 ,  
                  , L0165278 , L0165279 ,  
L0165285      L0165280 , L0165281 , L0165282 , L0165283 , L0165284 ,  
                  , L0165286 , L0165287 ,  
L0165293      L0165288 , L0165289 , L0165290 , L0165291 , L0165292 ,  
                  , L0165294 , L0165295 ,  
L0165301      L0165296 , L0165297 , L0165298 , L0165299 , L0165300 ,  
                  , L0165302 , L0165303 ,  
L0165309      L0165304 , L0165305 , L0165306 , L0165307 , L0165308 ,  
                  , L0165310 , L0165311 ,  
L0165317      L0165312 , L0165313 , L0165314 , L0165315 , L0165316 ,  
                  , L0165318 , L0165319 ,  
L0165325      L0165320 , L0165321 , L0165322 , L0165323 , L0165324 ,  
                  , L0165326 , L0165327 ,  
L0165333      L0165328 , L0165329 , L0165330 , L0165331 , L0165332 ,  
                  , L0165334 , L0165335 ,  
L0165341      L0165336 , L0165337 , L0165338 , L0165339 , L0165340 ,  
                  , L0165342 , L0165343 ,  
L0165349      L0165344 , L0165345 , L0165346 , L0165347 , L0165348 ,  
                  , L0165350 , L0165351 ,  
                  L0165352 , L0165353 , L0165354 , L0165355 , L0165356 ,

L0165357 , L0165358 , L0165359 ,  
 ▲ \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
 Creek\CC AERMOD\CC AERMOD.i \*\*\* 12/19/23  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID -----	SOURCE IDs -----
L0165365	L0165360 , L0165361 , L0165362 , L0165363 , L0165364 , , L0165366 , L0165367 ,
L0165373	L0165368 , L0165369 , L0165370 , L0165371 , L0165372 , , L0165374 , L0165375 ,
L0165381	L0165376 , L0165377 , L0165378 , L0165379 , L0165380 , , L0165382 , L0165383 ,
L0165389	L0165384 , L0165385 , L0165386 , L0165387 , L0165388 , , L0165390 , L0165391 ,
L0165397	L0165392 , L0165393 , L0165394 , L0165395 , L0165396 , , L0165398 , L0165399 ,
L0165405	L0165400 , L0165401 , L0165402 , L0165403 , L0165404 , , L0165406 , L0165407 ,
L0165413	L0165408 , L0165409 , L0165410 , L0165411 , L0165412 , , L0165414 , L0165415 ,
L0165421	L0165416 , L0165417 , L0165418 , L0165419 , L0165420 , , L0165422 , L0165423 ,
L0165429	L0165424 , L0165425 , L0165426 , L0165427 , L0165428 , , L0165430 , L0165431 ,
L0165437	L0165432 , L0165433 , L0165434 , L0165435 , L0165436 , , L0165438 , L0165439 ,
L0165445	L0165440 , L0165441 , L0165442 , L0165443 , L0165444 , , L0165446 , L0165447 ,
	L0165448 , L0165449 , L0165450 , L0165451 , L0165452 ,



L0165453 , L0165454 , L0165455 ,  
 L0165461 , L0165462 , L0165463 , L0165464 , L0165465 , L0165466 , L0165467 , L0165468 ,  
 L0165477 , L0165478 , L0165479 , L0165480 , L0165481 , L0165482 , L0165483 , L0165484 ,  
 L0165493 , L0165494 , L0165495 , L0165496 , L0165497 , L0165498 , L0165499 , L0165500 ,  
 L0165509 , L0165510 , L0165511 , L0165512 , L0165513 , L0165514 , L0165515 , L0165516 ,  
 L0165517 , L0165518 , L0165519 ,

▲ \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID -----	SOURCE IDs -----
L0165525	L0165520 , L0165521 , L0165522 , L0165523 , L0165524 , , L0165526 , L0165527 ,
L0165533	L0165528 , L0165529 , L0165530 , L0165531 , L0165532 , , L0165534 , L0165535 ,
L0165541	L0165536 , L0165537 , L0165538 , L0165539 , L0165540 , , L0165542 , L0165543 ,
	L0165544 , L0165545 , L0165546 , L0165547 , L0165548 ,

L0165549 , L0165550 , L0165551 ,  
 L0165552 , L0165553 , L0165554 , L0165555 , L0165556 ,  
 L0165557 , L0165558 , L0165559 ,  
 L0165560 , L0165561 , L0165562 , L0165563 , L0165564 ,  
 L0165565 , L0165566 , L0165567 ,  
 L0165568 , L0165569 , L0165570 , L0165571 , L0165572 ,  
 L0165573 , L0165574 , L0165575 ,  
 L0165576 , L0165577 , L0165578 , L0165579 , L0165580 ,  
 L0165581 , L0165582 , L0165583 ,  
 L0157739 , L0157740 , L0157741 , L0157742 , L0157743 ,  
 L0157744 , L0157745 , L0157746 ,  
 L0157747 , L0157748 , L0157749 , L0157750 , L0157751 ,  
 L0157752 , L0157753 , L0157754 ,  
 L0157755 , L0157756 , L0157757 , L0157758 , L0157759 ,  
 L0157760 , L0157761 , L0157762 ,  
 L0157763 , L0157764 , L0157765 , L0157766 , L0157767 ,  
 L0157768 , L0157769 , L0157770 ,  
 L0157771 , L0157772 , L0157773 , L0157774 , L0157775 ,  
 L0157776 , L0157777 , L0157778 ,  
 L0157779 , L0157780 , L0157781 , L0157782 , L0157783 ,  
 L0157784 , L0157785 , L0157786 ,  
 L0157787 , L0157788 , L0157789 , L0157790 , L0157791 ,  
 L0157792 , L0157793 , L0157794 ,  
 L0157795 , L0157796 , L0157797 , L0157798 , L0157799 ,  
 L0157800 , L0157801 , L0157802 ,  
 L0157803 , L0157804 , L0157805 , L0157806 , L0157807 ,  
 L0157808 , L0157809 , L0157810 ,  
 L0157811 , L0157812 , L0157813 , L0157814 , L0157815 ,  
 L0157816 , L0157817 , L0157818 ,  
 L0157819 , L0157820 , L0157821 , L0157822 , L0157823 ,  
 L0157824 , L0157825 , L0157826 ,  
 L0157827 , L0157828 , L0157829 , L0157830 , L0157831 ,  
 L0157832 , L0157833 , L0157834 ,

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID	SOURCE IDs
-----	-----
L0157840	L0157835 , L0157836 , L0157837 , L0157838 , L0157839 , L0157841 , L0157842 ,
L0157848	L0157843 , L0157844 , L0157845 , L0157846 , L0157847 , L0157849 , L0157850 ,
L0157856	L0157851 , L0157852 , L0157853 , L0157854 , L0157855 , L0157857 , L0157858 ,
L0157864	L0157859 , L0157860 , L0157861 , L0157862 , L0157863 , L0157865 , L0157866 ,
L0157872	L0157867 , L0157868 , L0157869 , L0157870 , L0157871 , L0157873 , L0157874 ,
L0157880	L0157875 , L0157876 , L0157877 , L0157878 , L0157879 , L0157881 , L0157882 ,
L0157888	L0157883 , L0157884 , L0157885 , L0157886 , L0157887 , L0157889 , L0157890 ,
L0157896	L0157891 , L0157892 , L0157893 , L0157894 , L0157895 , L0157897 , L0157898 ,
L0157904	L0157899 , L0157900 , L0157901 , L0157902 , L0157903 , L0157905 , L0157906 ,
L0157912	L0157907 , L0157908 , L0157909 , L0157910 , L0157911 , L0157913 , L0157914 ,
L0157920	L0157915 , L0157916 , L0157917 , L0157918 , L0157919 , L0157921 , L0157922 ,
L0157928	L0157923 , L0157924 , L0157925 , L0157926 , L0157927 , L0157929 , L0157930 ,

L0157936      L0157931    , L0157932    , L0157933    , L0157934    , L0157935    ,  
                   , L0157937    , L0157938    ,  
  
 L0157944      L0157939    , L0157940    , L0157941    , L0157942    , L0157943    ,  
                   , L0157945    , L0157946    ,  
  
 L0157952      L0157947    , L0157948    , L0157949    , L0157950    , L0157951    ,  
                   , L0157953    , L0157954    ,  
  
 L0157960      L0157955    , L0157956    , L0157957    , L0157958    , L0157959    ,  
                   , L0157961    , L0157962    ,  
  
 L0157968      L0157963    , L0157964    , L0157965    , L0157966    , L0157967    ,  
                   , L0157969    , L0157970    ,  
  
 L0157976      L0157971    , L0157972    , L0157973    , L0157974    , L0157975    ,  
                   , L0157977    , L0157978    ,  
  
 L0157984      L0157979    , L0157980    , L0157981    , L0157982    , L0157983    ,  
                   , L0157985    , L0157986    ,  
  
 L0157992      L0157987    , L0157988    , L0157989    , L0157990    , L0157991    ,  
                   , L0157993    , L0157994    ,

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\*\*\* MODELOPTs:      RegDEFAULT    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID	SOURCE IDs
-----	-----
L0158000	L0157995    , L0157996    , L0157997    , L0157998    , L0157999    , , L0158001    , L0158002    ,
L0158008	L0158003    , L0158004    , L0158005    , L0158006    , L0158007    , , L0158009    , L0158010    ,
L0158016	L0158011    , L0158012    , L0158013    , L0158014    , L0158015    , , L0158017    , L0158018    ,
L0158024	L0158019    , L0158020    , L0158021    , L0158022    , L0158023    , , L0158025    , L0158026    ,

L0158032      L0158027      , L0158028      , L0158029      , L0158030      , L0158031      ,  
                  , L0158033      , L0158034      ,  
  
 L0158040      L0158035      , L0158036      , L0158037      , L0158038      , L0158039      ,  
                  , L0158041      , L0158042      ,  
  
 L0158048      L0158043      , L0158044      , L0158045      , L0158046      , L0158047      ,  
                  , L0158049      , L0158050      ,  
  
 L0158056      L0158051      , L0158052      , L0158053      , L0158054      , L0158055      ,  
                  , L0158057      , L0158058      ,  
  
 L0158064      L0158059      , L0158060      , L0158061      , L0158062      , L0158063      ,  
                  , L0158065      , L0158066      ,  
  
 L0158072      L0158067      , L0158068      , L0158069      , L0158070      , L0158071      ,  
                  , L0158073      , L0158074      ,  
  
 L0158080      L0158075      , L0158076      , L0158077      , L0158078      , L0158079      ,  
                  , L0158081      , L0158082      ,  
  
 L0158088      L0158083      , L0158084      , L0158085      , L0158086      , L0158087      ,  
                  , L0158089      , L0158090      ,  
  
 L0158096      L0158091      , L0158092      , L0158093      , L0158094      , L0158095      ,  
                  , L0158097      , L0158098      ,  
  
 L0158104      L0158099      , L0158100      , L0158101      , L0158102      , L0158103      ,  
                  , L0158105      , L0158106      ,  
  
 L0158112      L0158107      , L0158108      , L0158109      , L0158110      , L0158111      ,  
                  , L0158113      , L0158114      ,  
  
 L0158120      L0158115      , L0158116      , L0158117      , L0158118      , L0158119      ,  
                  , L0158121      , L0158122      ,  
  
 L0158128      L0158123      , L0158124      , L0158125      , L0158126      , L0158127      ,  
                  , L0158129      , L0158130      ,  
  
 L0158136      L0158131      , L0158132      , L0158133      , L0158134      , L0158135      ,  
                  , L0158137      , L0158138      ,  
  
 L0158144      L0158139      , L0158140      , L0158141      , L0158142      , L0158143      ,  
                  , L0158145      , L0158146      ,  
  
 L0158152      L0158147      , L0158148      , L0158149      , L0158150      , L0158151      ,  
                  , L0158153      , L0158154      ,

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID	SOURCE IDs					
-----	-----					
L0158160	L0158155	, L0158156	, L0158157	, L0158158	, L0158159	,
	, L0158161	, L0158162	,			
L0158168	L0158163	, L0158164	, L0158165	, L0158166	, L0158167	,
	, L0158169	, L0158170	,			
L0158176	L0158171	, L0158172	, L0158173	, L0158174	, L0158175	,
	, L0158177	, L0158178	,			
L0158184	L0158179	, L0158180	, L0158181	, L0158182	, L0158183	,
	, L0158185	, L0158186	,			
L0158192	L0158187	, L0158188	, L0158189	, L0158190	, L0158191	,
	, L0158193	, L0158194	,			
L0158200	L0158195	, L0158196	, L0158197	, L0158198	, L0158199	,
	, L0158201	, L0158202	,			
L0158208	L0158203	, L0158204	, L0158205	, L0158206	, L0158207	,
	, L0158209	, L0158210	,			
L0158216	L0158211	, L0158212	, L0158213	, L0158214	, L0158215	,
	, L0158217	, L0158218	,			
L0158224	L0158219	, L0158220	, L0158221	, L0158222	, L0158223	,
	, L0158225	, L0158226	,			
L0158232	L0158227	, L0158228	, L0158229	, L0158230	, L0158231	,
	, L0158233	, L0158234	,			
L0158240	L0158235	, L0158236	, L0158237	, L0158238	, L0158239	,
	, L0158241	, L0158242	,			
L0158248	L0158243	, L0158244	, L0158245	, L0158246	, L0158247	,
	, L0158249	, L0158250	,			
L0158256	L0158251	, L0158252	, L0158253	, L0158254	, L0158255	,
	, L0158257	, L0158258	,			

L0158264      L0158259      , L0158260      , L0158261      , L0158262      , L0158263      ,  
                  , L0158265      , L0158266      ,  
  
 L0158272      L0158267      , L0158268      , L0158269      , L0158270      , L0158271      ,  
                  , L0158273      , L0158274      ,  
  
 L0158280      L0158275      , L0158276      , L0158277      , L0158278      , L0158279      ,  
                  , L0158281      , L0158282      ,  
  
 L0158288      L0158283      , L0158284      , L0158285      , L0158286      , L0158287      ,  
                  , L0158289      , L0158290      ,  
  
 L0158296      L0158291      , L0158292      , L0158293      , L0158294      , L0158295      ,  
                  , L0158297      , L0158298      ,  
  
 L0158304      L0158299      , L0158300      , L0158301      , L0158302      , L0158303      ,  
                  , L0158305      , L0158306      ,  
  
 L0158312      L0158307      , L0158308      , L0158309      , L0158310      , L0158311      ,  
                  , L0158313      , L0158314      ,

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\*\*\* MODELOPTs:      RegDFault    CONC    ELEV    FLGPOL    RURAL    ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID	SOURCE IDs
-----	-----
L0158320	L0158315 , L0158316 , L0158317 , L0158318 , L0158319 , , L0158321 , L0158322 ,
L0158328	L0158323 , L0158324 , L0158325 , L0158326 , L0158327 , , L0158329 , L0158330 ,
L0158336	L0158331 , L0158332 , L0158333 , L0158334 , L0158335 , , L0158337 , L0158338 ,
L0158344	L0158339 , L0158340 , L0158341 , L0158342 , L0158343 , , L0158345 , L0158346 ,
L0158352	L0158347 , L0158348 , L0158349 , L0158350 , L0158351 , , L0158353 , L0158354 ,

L0158360      L0158355    , L0158356    , L0158357    , L0158358    , L0158359    ,  
                   , L0158361    , L0158362    ,  
  
 L0158368      L0158363    , L0158364    , L0158365    , L0158366    , L0158367    ,  
                   , L0158369    , L0158370    ,  
  
 L0158376      L0158371    , L0158372    , L0158373    , L0158374    , L0158375    ,  
                   , L0158377    , L0158378    ,  
  
 L0158384      L0158379    , L0158380    , L0158381    , L0158382    , L0158383    ,  
                   , L0158385    , L0158386    ,  
  
 L0158392      L0158387    , L0158388    , L0158389    , L0158390    , L0158391    ,  
                   , L0158393    , L0158394    ,  
  
 L0158400      L0158395    , L0158396    , L0158397    , L0158398    , L0158399    ,  
                   , L0158401    , L0158402    ,  
  
 L0158408      L0158403    , L0158404    , L0158405    , L0158406    , L0158407    ,  
                   , L0158409    , L0158410    ,  
  
 L0158416      L0158411    , L0158412    , L0158413    , L0158414    , L0158415    ,  
                   , L0158417    , L0158418    ,  
  
 L0158424      L0158419    , L0158420    , L0158421    , L0158422    , L0158423    ,  
                   , L0158425    , L0158426    ,  
  
 L0158432      L0158427    , L0158428    , L0158429    , L0158430    , L0158431    ,  
                   , L0158433    , L0158434    ,  
  
 L0158440      L0158435    , L0158436    , L0158437    , L0158438    , L0158439    ,  
                   , L0158441    , L0158442    ,  
  
 L0158448      L0158443    , L0158444    , L0158445    , L0158446    , L0158447    ,  
                   , L0158449    , L0158450    ,  
  
 L0158456      L0158451    , L0158452    , L0158453    , L0158454    , L0158455    ,  
                   , L0158457    , L0158458    ,  
  
 L0158464      L0158459    , L0158460    , L0158461    , L0158462    , L0158463    ,  
                   , L0158465    , L0158466    ,  
  
 L0158472      L0158467    , L0158468    , L0158469    , L0158470    , L0158471    ,  
                   , L0158473    , L0158474    ,

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23

\*\*\* AERMET - VERSION 19191 \*\*\*      \*\*\*

\*\*\*      13:38:56



\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID	SOURCE IDs					
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L0158480	L0158475	, L0158476	, L0158477	, L0158478	, L0158479	,
	, L0158481	, L0158482	,			
L0158488	L0158483	, L0158484	, L0158485	, L0158486	, L0158487	,
	, L0158489	, L0158490	,			
L0158496	L0158491	, L0158492	, L0158493	, L0158494	, L0158495	,
	, L0158497	, L0158498	,			
L0158504	L0158499	, L0158500	, L0158501	, L0158502	, L0158503	,
	, L0158505	, L0158506	,			
L0158512	L0158507	, L0158508	, L0158509	, L0158510	, L0158511	,
	, L0158513	, L0158514	,			
L0158520	L0158515	, L0158516	, L0158517	, L0158518	, L0158519	,
	, L0158521	, L0158522	,			
L0158528	L0158523	, L0158524	, L0158525	, L0158526	, L0158527	,
	, L0158529	, L0158530	,			
L0158536	L0158531	, L0158532	, L0158533	, L0158534	, L0158535	,
	, L0158537	, L0158538	,			
L0158544	L0158539	, L0158540	, L0158541	, L0158542	, L0158543	,
	, L0158545	, L0158546	,			
L0158552	L0158547	, L0158548	, L0158549	, L0158550	, L0158551	,
	, L0158553	, L0158554	,			
L0158560	L0158555	, L0158556	, L0158557	, L0158558	, L0158559	,
	, L0158561	, L0158562	,			
L0158568	L0158563	, L0158564	, L0158565	, L0158566	, L0158567	,
	, L0158569	, L0158570	,			
L0158576	L0158571	, L0158572	, L0158573	, L0158574	, L0158575	,
	, L0158577	, L0158578	,			
	L0158579	, L0158580	, L0158581	, L0158582	, L0158583	,

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L0158584 , L0158585 , L0158586 ,
      L0158587 , L0158588 , L0158589 , L0158590 , L0158591 ,
L0158592 , L0158593 , L0158594 ,
      L0158595 , L0158596 , L0158597 , L0158598 , L0158599 ,
L0158600 , L0158601 , L0158602 ,
      L0158603 , L0158604 , L0158605 , L0158606 , L0158607 ,
L0158608 , L0158609 , L0158610 ,
      L0158611 , L0158612 , L0158613 , L0158614 , L0158615 ,
L0158616 , L0158617 , L0158618 ,
      L0158619 , L0158620 , L0158621 , L0158622 , L0158623 ,
L0158624 , L0158625 , L0158626 ,
      L0158627 , L0158628 , L0158629 , L0158630 , L0158631 ,
L0158632 , L0158633 , L0158634 ,
^ *** AERMOD - VERSION 22112 *** *** C:\Users\apoll\Desktop\HARP2\HARP\Coyote
Creek\CC AERMOD\CC AERMOD.i *** 12/19/23
*** AERMET - VERSION 19191 *** ***
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID -----	SOURCE IDs -----
L0158640	L0158635 , L0158636 , L0158637 , L0158638 , L0158639 , L0158641 , L0158642 ,
L0158648	L0158643 , L0158644 , L0158645 , L0158646 , L0158647 , L0158649 , L0158650 ,
L0158656	L0158651 , L0158652 , L0158653 , L0158654 , L0158655 , L0158657 , L0158658 ,
L0158664	L0158659 , L0158660 , L0158661 , L0158662 , L0158663 , L0158665 , L0158666 ,
L0158672	L0158667 , L0158668 , L0158669 , L0158670 , L0158671 , L0158673 , L0158674 ,
	L0158675 , L0158676 , L0158677 , L0158678 , L0158679 ,

L0158680 , L0158681 , L0158682 ,  
 L0158688 , L0158689 , L0158690 , L0158683 , L0158684 , L0158685 , L0158686 , L0158687 ,  
 L0158696 , L0158697 , L0158698 , L0158691 , L0158692 , L0158693 , L0158694 , L0158695 ,  
 L0158704 , L0158705 , L0158706 , L0158699 , L0158700 , L0158701 , L0158702 , L0158703 ,  
 L0158712 , L0158713 , L0158714 , L0158707 , L0158708 , L0158709 , L0158710 , L0158711 ,  
 L0158720 , L0158721 , L0158722 , L0158715 , L0158716 , L0158717 , L0158718 , L0158719 ,  
 L0158728 , L0158729 , L0158730 , L0158723 , L0158724 , L0158725 , L0158726 , L0158727 ,  
 L0158736 , L0158737 , L0158738 , L0158731 , L0158732 , L0158733 , L0158734 , L0158735 ,  
 L0158744 , L0158745 , L0158746 , L0158739 , L0158740 , L0158741 , L0158742 , L0158743 ,  
 L0158752 , L0158753 , L0158754 , L0158747 , L0158748 , L0158749 , L0158750 , L0158751 ,  
 L0158760 , L0158761 , L0158762 , L0158755 , L0158756 , L0158757 , L0158758 , L0158759 ,  
 L0158768 , L0158769 , L0158770 , L0158763 , L0158764 , L0158765 , L0158766 , L0158767 ,  
 L0158776 , L0158777 , L0158778 , L0158771 , L0158772 , L0158773 , L0158774 , L0158775 ,  
 L0158784 , L0158785 , L0158786 , L0158779 , L0158780 , L0158781 , L0158782 , L0158783 ,  
 L0158792 , L0158793 , L0158794 , L0158787 , L0158788 , L0158789 , L0158790 , L0158791 ,

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\*\*\* AERMET - VERSION 19191 \*\*\*

\*\*\* 13:38:56

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID -----	SOURCE IDs -----					
L0158800	L0158795 , L0158801	, L0158796 , L0158802	, L0158797 ,	, L0158798	, L0158799	,
L0158808	L0158803 , L0158809	, L0158804 , L0158810	, L0158805 ,	, L0158806	, L0158807	,
L0158816	L0158811 , L0158817	, L0158812 , L0158818	, L0158813 ,	, L0158814	, L0158815	,
L0158824	L0158819 , L0158825	, L0158820 , L0158826	, L0158821 ,	, L0158822	, L0158823	,
L0158832	L0158827 , L0158833	, L0158828 , L0158834	, L0158829 ,	, L0158830	, L0158831	,
L0158840	L0158835 , L0158841	, L0158836 , L0158842	, L0158837 ,	, L0158838	, L0158839	,
L0158848	L0158843 , L0158849	, L0158844 , L0158850	, L0158845 ,	, L0158846	, L0158847	,
L0158856	L0158851 , L0158857	, L0158852 , L0158858	, L0158853 ,	, L0158854	, L0158855	,
L0158864	L0158859 , L0158865	, L0158860 , L0158866	, L0158861 ,	, L0158862	, L0158863	,
L0158872	L0158867 , L0158873	, L0158868 , L0158874	, L0158869 ,	, L0158870	, L0158871	,
L0158880	L0158875 , L0158881	, L0158876 , L0158882	, L0158877 ,	, L0158878	, L0158879	,
L0158888	L0158883 , L0158889	, L0158884 , L0158890	, L0158885 ,	, L0158886	, L0158887	,
L0158896	L0158891 , L0158897	, L0158892 , L0158898	, L0158893 ,	, L0158894	, L0158895	,
L0158904	L0158899 , L0158905	, L0158900 , L0158906	, L0158901 ,	, L0158902	, L0158903	,

L0158912      L0158907      , L0158908      , L0158909      , L0158910      , L0158911      ,  
                  , L0158913      , L0158914      ,  
  
 L0158920      L0158915      , L0158916      , L0158917      , L0158918      , L0158919      ,  
                  , L0158921      , L0158922      ,  
  
 L0158928      L0158923      , L0158924      , L0158925      , L0158926      , L0158927      ,  
                  , L0158929      , L0158930      ,  
  
 L0158936      L0158931      , L0158932      , L0158933      , L0158934      , L0158935      ,  
                  , L0158937      , L0158938      ,  
  
 L0158944      L0158939      , L0158940      , L0158941      , L0158942      , L0158943      ,  
                  , L0158945      , L0158946      ,  
  
 L0158952      L0158947      , L0158948      , L0158949      , L0158950      , L0158951      ,  
                  , L0158953      , L0158954      ,

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 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23  
 \*\*\* AERMET - VERSION 19191 \*\*\*      \*\*\*  
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\*\*\* MODELOPTs:      RegDEFAULT      CONC      ELEV      FLGPOL      RURAL      ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID	SOURCE IDs
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L0158960	L0158955 , L0158956 , L0158957 , L0158958 , L0158959 , , L0158961 , L0158962 ,
L0158968	L0158963 , L0158964 , L0158965 , L0158966 , L0158967 , , L0158969 , L0158970 ,
L0158976	L0158971 , L0158972 , L0158973 , L0158974 , L0158975 , , L0158977 , L0158978 ,
L0158984	L0158979 , L0158980 , L0158981 , L0158982 , L0158983 , , L0158985 , L0158986 ,
L0158992	L0158987 , L0158988 , L0158989 , L0158990 , L0158991 , , L0158993 , L0158994 ,
L0159000	L0158995 , L0158996 , L0158997 , L0158998 , L0158999 , , L0159001 , L0159002 ,

L0159008      L0159003      , L0159004      , L0159005      , L0159006      , L0159007      ,  
                   , L0159009      , L0159010      ,  
  
 L0159016      L0159011      , L0159012      , L0159013      , L0159014      , L0159015      ,  
                   , L0159017      , L0159018      ,  
  
 L0159024      L0159019      , L0159020      , L0159021      , L0159022      , L0159023      ,  
                   , L0159025      , L0159026      ,  
  
 L0159032      L0159027      , L0159028      , L0159029      , L0159030      , L0159031      ,  
                   , L0159033      , L0159034      ,  
  
 L0159040      L0159035      , L0159036      , L0159037      , L0159038      , L0159039      ,  
                   , L0159041      , L0159042      ,  
  
 L0159048      L0159043      , L0159044      , L0159045      , L0159046      , L0159047      ,  
                   , L0159049      , L0159050      ,  
  
 L0159056      L0159051      , L0159052      , L0159053      , L0159054      , L0159055      ,  
                   , L0159057      , L0159058      ,  
  
 L0159064      L0159059      , L0159060      , L0159061      , L0159062      , L0159063      ,  
                   , L0159065      , L0159066      ,  
  
 L0159072      L0159067      , L0159068      , L0159069      , L0159070      , L0159071      ,  
                   , L0159073      , L0159074      ,  
  
 L0159080      L0159075      , L0159076      , L0159077      , L0159078      , L0159079      ,  
                   , L0159081      , L0159082      ,  
  
 L0159088      L0159083      , L0159084      , L0159085      , L0159086      , L0159087      ,  
                   , L0159089      , L0159090      ,  
  
 L0159096      L0159091      , L0159092      , L0159093      , L0159094      , L0159095      ,  
                   , L0159097      , L0159098      ,  
  
 L0159104      L0159099      , L0159100      , L0159101      , L0159102      , L0159103      ,  
                   , L0159105      , L0159106      ,  
  
 L0159112      L0159107      , L0159108      , L0159109      , L0159110      , L0159111      ,  
                   , L0159113      , L0159114      ,

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 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23

\*\*\* AERMET - VERSION 19191 \*\*\*      \*\*\*  
    \*\*\*      13:38:56

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID -----	SOURCE IDs -----					
L0159120	L0159115 , L0159121	, L0159116 , L0159122	, L0159117 ,	, L0159118	, L0159119	,
L0159128	L0159123 , L0159129	, L0159124 , L0159130	, L0159125 ,	, L0159126	, L0159127	,
L0159136	L0159131 , L0159137	, L0159132 , L0159138	, L0159133 ,	, L0159134	, L0159135	,
L0159144	L0159139 , L0159145	, L0159140 , L0159146	, L0159141 ,	, L0159142	, L0159143	,
L0159152	L0159147 , L0159153	, L0159148 , L0159154	, L0159149 ,	, L0159150	, L0159151	,
L0159160	L0159155 , L0159161	, L0159156 , L0159162	, L0159157 ,	, L0159158	, L0159159	,
L0159168	L0159163 , L0159169	, L0159164 , L0159170	, L0159165 ,	, L0159166	, L0159167	,
L0159176	L0159171 , L0159177	, L0159172 , L0159178	, L0159173 ,	, L0159174	, L0159175	,
L0159184	L0159179 , L0159185	, L0159180 , L0159186	, L0159181 ,	, L0159182	, L0159183	,
L0159192	L0159187 , L0159193	, L0159188 , L0159194	, L0159189 ,	, L0159190	, L0159191	,
L0159200	L0159195 , L0159201	, L0159196 , L0159202	, L0159197 ,	, L0159198	, L0159199	,
L0159208	L0159203 , L0159209	, L0159204 , L0159210	, L0159205 ,	, L0159206	, L0159207	,
L0159216	L0159211 , L0159217	, L0159212 , L0159218	, L0159213 ,	, L0159214	, L0159215	,
L0159224	L0159219 , L0159225	, L0159220 , L0159226	, L0159221 ,	, L0159222	, L0159223	,
L0159232	L0159227 , L0159233	, L0159228 , L0159234	, L0159229 ,	, L0159230	, L0159231	,

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L0159240      L0159235      , L0159236      , L0159237      , L0159238      , L0159239      ,
              , L0159241      , L0159242      ,
L0159248      L0159243      , L0159244      , L0159245      , L0159246      , L0159247      ,
              , L0159249      , L0159250      ,
L0159256      L0159251      , L0159252      , L0159253      , L0159254      , L0159255      ,
              , L0159257      , L0159258      ,
L0159264      L0159259      , L0159260      , L0159261      , L0159262      , L0159263      ,
              , L0159265      , L0159266      ,
L0159272      L0159267      , L0159268      , L0159269      , L0159270      , L0159271      ,
              , L0159273      , L0159274      ,
^ *** AERMOD - VERSION 22112 ***      *** C:\Users\apoll\Desktop\HARP2\HARP\Coyote
Creek\CC AERMOD\CC AERMOD.i ***      12/19/23
*** AERMET - VERSION 19191 ***      ***
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\*\*\* MODELOPTs: RegDFault CONC ELEV FLGPOL RURAL ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID	SOURCE IDs
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L0159280	L0159275 , L0159276 , L0159277 , L0159278 , L0159279 , , L0159281 , L0159282 ,
L0159288	L0159283 , L0159284 , L0159285 , L0159286 , L0159287 , , L0159289 , L0159290 ,
L0159296	L0159291 , L0159292 , L0159293 , L0159294 , L0159295 , , L0159297 , L0159298 ,
L0159304	L0159299 , L0159300 , L0159301 , L0159302 , L0159303 , , L0159305 , L0159306 ,
L0159312	L0159307 , L0159308 , L0159309 , L0159310 , L0159311 , , L0159313 , L0159314 ,
L0159320	L0159315 , L0159316 , L0159317 , L0159318 , L0159319 , , L0159321 , L0159322 ,
L0159328	L0159323 , L0159324 , L0159325 , L0159326 , L0159327 , , L0159329 , L0159330 ,



L0159336      L0159331      , L0159332      , L0159333      , L0159334      , L0159335      ,  
                  , L0159337      , L0159338      ,  
  
 L0159344      L0159339      , L0159340      , L0159341      , L0159342      , L0159343      ,  
                  , L0159345      , L0159346      ,  
  
 L0159352      L0159347      , L0159348      , L0159349      , L0159350      , L0159351      ,  
                  , L0159353      , L0159354      ,  
  
 L0159360      L0159355      , L0159356      , L0159357      , L0159358      , L0159359      ,  
                  , L0159361      , L0159362      ,  
  
 L0159368      L0159363      , L0159364      , L0159365      , L0159366      , L0159367      ,  
                  , L0159369      , L0159370      ,  
  
 L0159376      L0159371      , L0159372      , L0159373      , L0159374      , L0159375      ,  
                  , L0159377      , L0159378      ,  
  
 L0159384      L0159379      , L0159380      , L0159381      , L0159382      , L0159383      ,  
                  , L0159385      , L0159386      ,  
  
 L0159392      L0159387      , L0159388      , L0159389      , L0159390      , L0159391      ,  
                  , L0159393      , L0159394      ,  
  
 L0159400      L0159395      , L0159396      , L0159397      , L0159398      , L0159399      ,  
                  , L0159401      , L0159402      ,  
  
 L0159408      L0159403      , L0159404      , L0159405      , L0159406      , L0159407      ,  
                  , L0159409      , L0159410      ,  
  
 L0159416      L0159411      , L0159412      , L0159413      , L0159414      , L0159415      ,  
                  , L0159417      , L0159418      ,  
  
 L0159424      L0159419      , L0159420      , L0159421      , L0159422      , L0159423      ,  
                  , L0159425      , L0159426      ,  
  
 L0159432      L0159427      , L0159428      , L0159429      , L0159430      , L0159431      ,  
                  , L0159433      , L0159434      ,

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23

\*\*\* AERMET - VERSION 19191 \*\*\*      \*\*\*  
                  \*\*\*      13:38:56

\*\*\* MODELOPTs:      RegDEFAULT      CONC      ELEV      FLGPOL      RURAL      ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID

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SOURCE IDs

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L0159440	L0159435 , L0159441	, L0159436 , L0159442	, L0159437 ,	, L0159438	, L0159439	,
L0159448	L0159443 , L0159449	, L0159444 , L0159450	, L0159445 ,	, L0159446	, L0159447	,
L0159456	L0159451 , L0159457	, L0159452 , L0159458	, L0159453 ,	, L0159454	, L0159455	,
L0159464	L0159459 , L0159465	, L0159460 , L0159466	, L0159461 ,	, L0159462	, L0159463	,
L0159472	L0159467 , L0159473	, L0159468 , L0159474	, L0159469 ,	, L0159470	, L0159471	,
L0159480	L0159475 , L0159481	, L0159476 , L0159482	, L0159477 ,	, L0159478	, L0159479	,
L0159488	L0159483 , L0159489	, L0159484 , L0159490	, L0159485 ,	, L0159486	, L0159487	,
L0159496	L0159491 , L0159497	, L0159492 , L0159498	, L0159493 ,	, L0159494	, L0159495	,
L0159504	L0159499 , L0159505	, L0159500 , L0159506	, L0159501 ,	, L0159502	, L0159503	,
L0159512	L0159507 , L0159513	, L0159508 , L0159514	, L0159509 ,	, L0159510	, L0159511	,
L0159520	L0159515 , L0159521	, L0159516 , L0159522	, L0159517 ,	, L0159518	, L0159519	,
L0159528	L0159523 , L0159529	, L0159524 , L0159530	, L0159525 ,	, L0159526	, L0159527	,
L0159536	L0159531 , L0159537	, L0159532 , L0159538	, L0159533 ,	, L0159534	, L0159535	,
L0159544	L0159539 , L0159545	, L0159540 , L0159546	, L0159541 ,	, L0159542	, L0159543	,
L0159552	L0159547 , L0159553	, L0159548 , L0159554	, L0159549 ,	, L0159550	, L0159551	,
	L0159555	, L0159556	, L0159557	, L0159558	, L0159559	,

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L0159560 , L0159561 , L0159562 ,
          L0159563 , L0159564 , L0159565 , L0159566 , L0159567 ,
L0159568 , L0159569 , L0159570 ,
          L0159571 , L0159572 , L0159573 , L0159574 , L0159575 ,
L0159576 , L0159577 , L0159578 ,
          L0159579 , L0159580 , L0159581 , L0159582 , L0159583 ,
L0159584 , L0159585 , L0159586 ,
          L0159587 , L0159588 , L0159589 , L0159590 , L0159591 ,
L0159592 , L0159593 , L0159594 ,
^ *** AERMOD - VERSION 22112 *** *** C:\Users\apoll\Desktop\HARP2\HARP\Coyote
Creek\CC AERMOD\CC AERMOD.i *** 12/19/23
*** AERMET - VERSION 19191 *** ***
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID	SOURCE IDs
-----	-----
L0159600	L0159595 , L0159596 , L0159597 , L0159598 , L0159599 , L0159601 , L0159602 ,
L0159608	L0159603 , L0159604 , L0159605 , L0159606 , L0159607 , L0159609 , L0159610 ,
L0159616	L0159611 , L0159612 , L0159613 , L0159614 , L0159615 , L0159617 , L0159618 ,
L0159624	L0159619 , L0159620 , L0159621 , L0159622 , L0159623 , L0159625 , L0159626 ,
L0159632	L0159627 , L0159628 , L0159629 , L0159630 , L0159631 , L0159633 , L0159634 ,
L0159640	L0159635 , L0159636 , L0159637 , L0159638 , L0159639 , L0159641 , L0159642 ,
L0159648	L0159643 , L0159644 , L0159645 , L0159646 , L0159647 , L0159649 , L0159650 ,
	L0159651 , L0159652 , L0159653 , L0159654 , L0159655 ,

L0159656 , L0159657 , L0159658 ,  
 L0159664 , L0159665 , L0159666 , L0159667 , L0159668 , L0159669 , L0159670 , L0159671 ,  
 L0159672 , L0159673 , L0159674 , L0159675 , L0159676 , L0159677 , L0159678 , L0159679 ,  
 L0159680 , L0159681 , L0159682 , L0159683 , L0159684 , L0159685 , L0159686 , L0159687 ,  
 L0159688 , L0159689 , L0159690 , L0159691 , L0159692 , L0159693 , L0159694 , L0159695 ,  
 L0159696 , L0159697 , L0159698 , L0159699 , L0159700 , L0159701 , L0159702 , L0159703 ,  
 L0159704 , L0159705 , L0159706 , L0159707 , L0159708 , L0159709 , L0159710 , L0159711 ,  
 L0159712 , L0159713 , L0159714 , L0159715 , L0159716 , L0159717 , L0159718 , L0159719 ,  
 L0159720 , L0159721 , L0159722 , L0159723 , L0159724 , L0159725 , L0159726 , L0159727 ,  
 L0159728 , L0159729 , L0159730 , L0159731 , L0159732 , L0159733 , L0159734 , L0159735 ,  
 L0159736 , L0159737 , L0159738 , L0159739 , L0159740 , L0159741 , L0159742 , L0159743 ,  
 L0159744 , L0159745 , L0159746 , L0159747 , L0159748 , L0159749 , L0159750 , L0159751 ,  
 L0159752 , L0159753 , L0159754 ,

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
 Creek\CC AERMOD\CC AERMOD.i \*\*\* 12/19/23

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID  
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SOURCE IDs  
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L0159760	L0159755 , L0159761	, L0159756 , L0159762	, L0159757 ,	, L0159758	, L0159759	,
L0159768	L0159763 , L0159769	, L0159764 , L0159770	, L0159765 ,	, L0159766	, L0159767	,
L0159776	L0159771 , L0159777	, L0159772 , L0159778	, L0159773 ,	, L0159774	, L0159775	,
L0159784	L0159779 , L0159785	, L0159780 , L0159786	, L0159781 ,	, L0159782	, L0159783	,
L0159792	L0159787 , L0159793	, L0159788 , L0159794	, L0159789 ,	, L0159790	, L0159791	,
L0159800	L0159795 , L0159801	, L0159796 , L0159802	, L0159797 ,	, L0159798	, L0159799	,
L0159808	L0159803 , L0159809	, L0159804 , L0159810	, L0159805 ,	, L0159806	, L0159807	,
L0159816	L0159811 , L0159817	, L0159812 , L0159818	, L0159813 ,	, L0159814	, L0159815	,
L0159824	L0159819 , L0159825	, L0159820 , L0159826	, L0159821 ,	, L0159822	, L0159823	,
L0159832	L0159827 , L0159833	, L0159828 , L0159834	, L0159829 ,	, L0159830	, L0159831	,
L0159840	L0159835 , L0159841	, L0159836 , L0159842	, L0159837 ,	, L0159838	, L0159839	,
L0159848	L0159843 , L0159849	, L0159844 , L0159850	, L0159845 ,	, L0159846	, L0159847	,
L0159856	L0159851 , L0159857	, L0159852 , L0159858	, L0159853 ,	, L0159854	, L0159855	,
L0159864	L0159859 , L0159865	, L0159860 , L0159866	, L0159861 ,	, L0159862	, L0159863	,
L0159872	L0159867 , L0159873	, L0159868 , L0159874	, L0159869 ,	, L0159870	, L0159871	,
L0159880	L0159875 , L0159881	, L0159876 , L0159882	, L0159877 ,	, L0159878	, L0159879	,

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L0159888      L0159883      , L0159884      , L0159885      , L0159886      , L0159887      ,
, L0159889      , L0159890      ,

L0159896      L0159891      , L0159892      , L0159893      , L0159894      , L0159895      ,
, L0159897      , L0159898      ,

L0159904      L0159899      , L0159900      , L0159901      , L0159902      , L0159903      ,
, L0159905      , L0159906      ,

L0159912      L0159907      , L0159908      , L0159909      , L0159910      , L0159911      ,
, L0159913      , L0159914      ,
^ *** AERMOD - VERSION 22112 ***      *** C:\Users\apoll\Desktop\HARP2\HARP\Coyote
Creek\CC AERMOD\CC AERMOD.i ***      12/19/23
*** AERMET - VERSION 19191 ***      ***
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID	SOURCE IDs
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L0159920	L0159915 , L0159916 , L0159917 , L0159918 , L0159919 , , L0159921 , L0159922 ,
L0159928	L0159923 , L0159924 , L0159925 , L0159926 , L0159927 , , L0159929 , L0159930 ,
L0159936	L0159931 , L0159932 , L0159933 , L0159934 , L0159935 , , L0159937 , L0159938 ,
L0159944	L0159939 , L0159940 , L0159941 , L0159942 , L0159943 , , L0159945 , L0159946 ,
L0159952	L0159947 , L0159948 , L0159949 , L0159950 , L0159951 , , L0159953 , L0159954 ,
L0159960	L0159955 , L0159956 , L0159957 , L0159958 , L0159959 , , L0159961 , L0159962 ,
L0159968	L0159963 , L0159964 , L0159965 , L0159966 , L0159967 , , L0159969 , L0159970 ,
L0159976	L0159971 , L0159972 , L0159973 , L0159974 , L0159975 , , L0159977 , L0159978 ,

L0159984      L0159979      , L0159980      , L0159981      , L0159982      , L0159983      ,  
                  , L0159985      , L0159986      ,  
  
 L0159992      L0159987      , L0159988      , L0159989      , L0159990      , L0159991      ,  
                  , L0159993      , L0159994      ,  
  
 L0160000      L0159995      , L0159996      , L0159997      , L0159998      , L0159999      ,  
                  , L0160001      , L0160002      ,  
  
 L0160008      L0160003      , L0160004      , L0160005      , L0160006      , L0160007      ,  
                  , L0160009      , L0160010      ,  
  
 L0160016      L0160011      , L0160012      , L0160013      , L0160014      , L0160015      ,  
                  , L0160017      , L0160018      ,  
  
 L0160024      L0160019      , L0160020      , L0160021      , L0160022      , L0160023      ,  
                  , L0160025      , L0160026      ,  
  
 L0160032      L0160027      , L0160028      , L0160029      , L0160030      , L0160031      ,  
                  , L0160033      , L0160034      ,  
  
 L0160040      L0160035      , L0160036      , L0160037      , L0160038      , L0160039      ,  
                  , L0160041      , L0160042      ,  
  
 L0160048      L0160043      , L0160044      , L0160045      , L0160046      , L0160047      ,  
                  , L0160049      , L0160050      ,  
  
 L0160056      L0160051      , L0160052      , L0160053      , L0160054      , L0160055      ,  
                  , L0160057      , L0160058      ,  
  
 L0160064      L0160059      , L0160060      , L0160061      , L0160062      , L0160063      ,  
                  , L0160065      , L0160066      ,  
  
 L0160072      L0160067      , L0160068      , L0160069      , L0160070      , L0160071      ,  
                  , L0160073      , L0160074      ,

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\*\*\* MODELOPTs:      RegDEFAULT      CONC      ELEV      FLGPOL      RURAL      ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID  
 -----

SOURCE IDs  
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L0160080 L0160075 , L0160076 , L0160077 , L0160078 , L0160079 ,  
, L0160081 , L0160082 , ,

L0160088 L0160083 , L0160084 , L0160085 , L0160086 , L0160087 ,  
, L0160089 , L0160090 , ,

L0160096 L0160091 , L0160092 , L0160093 , L0160094 , L0160095 ,  
, L0160097 , L0160098 , ,

L0160104 L0160099 , L0160100 , L0160101 , L0160102 , L0160103 ,  
, L0160105 , L0160106 , ,

L0160112 L0160107 , L0160108 , L0160109 , L0160110 , L0160111 ,  
, L0160113 , L0160114 , ,

L0160120 L0160115 , L0160116 , L0160117 , L0160118 , L0160119 ,  
, L0160121 , L0160122 , ,

L0160128 L0160123 , L0160124 , L0160125 , L0160126 , L0160127 ,  
, L0160129 , L0160130 , ,

L0160136 L0160131 , L0160132 , L0160133 , L0160134 , L0160135 ,  
, L0160137 , L0160138 , ,

L0160144 L0160139 , L0160140 , L0160141 , L0160142 , L0160143 ,  
, L0160145 , L0160146 , ,

L0160152 L0160147 , L0160148 , L0160149 , L0160150 , L0160151 ,  
, L0160153 , L0160154 , ,

L0160160 L0160155 , L0160156 , L0160157 , L0160158 , L0160159 ,  
, L0160161 , L0160162 , ,

L0160168 L0160163 , L0160164 , L0160165 , L0160166 , L0160167 ,  
, L0160169 , L0160170 , ,

L0160176 L0160171 , L0160172 , L0160173 , L0160174 , L0160175 ,  
, L0160177 , L0160178 , ,

L0160184 L0160179 , L0160180 , L0160181 , L0160182 , L0160183 ,  
, L0160185 , L0160186 , ,

L0160192 L0160187 , L0160188 , L0160189 , L0160190 , L0160191 ,  
, L0160193 , L0160194 , ,

L0160200 L0160195 , L0160196 , L0160197 , L0160198 , L0160199 ,  
, L0160201 , L0160202 , ,

L0160208 L0160203 , L0160204 , L0160205 , L0160206 , L0160207 ,  
, L0160209 , L0160210 , ,



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L0160216      L0160211      , L0160212      , L0160213      , L0160214      , L0160215      ,
, L0160217      , L0160218      ,

L0160224      L0160219      , L0160220      , L0160221      , L0160222      , L0160223      ,
, L0160225      , L0160226      ,

L0160232      L0160227      , L0160228      , L0160229      , L0160230      , L0160231      ,
, L0160233      , L0160234      ,
^ *** AERMOD - VERSION 22112 *** *** C:\Users\apoll\Desktop\HARP2\HARP\Coyote
Creek\CC AERMOD\CC AERMOD.i *** 12/19/23
*** AERMET - VERSION 19191 *** ***
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID	SOURCE IDs
-----	-----
L0160240	L0160235 , L0160236 , L0160237 , L0160238 , L0160239 , , L0160241 , L0160242 ,
L0160248	L0160243 , L0160244 , L0160245 , L0160246 , L0160247 , , L0160249 , L0160250 ,
L0160256	L0160251 , L0160252 , L0160253 , L0160254 , L0160255 , , L0160257 , L0160258 ,
L0160264	L0160259 , L0160260 , L0160261 , L0160262 , L0160263 , , L0160265 , L0160266 ,
L0160272	L0160267 , L0160268 , L0160269 , L0160270 , L0160271 , , L0160273 , L0160274 ,
L0160280	L0160275 , L0160276 , L0160277 , L0160278 , L0160279 , , L0160281 , L0160282 ,
L0160288	L0160283 , L0160284 , L0160285 , L0160286 , L0160287 , , L0160289 , L0160290 ,
L0160296	L0160291 , L0160292 , L0160293 , L0160294 , L0160295 , , L0160297 , L0160298 ,
L0160304	L0160299 , L0160300 , L0160301 , L0160302 , L0160303 , , L0160305 , L0160306 ,

L0160312      L0160307      , L0160308      , L0160309      , L0160310      , L0160311      ,  
                   , L0160313      , L0160314      ,  
  
 L0160320      L0160315      , L0160316      , L0160317      , L0160318      , L0160319      ,  
                   , L0160321      , L0160322      ,  
  
 L0160328      L0160323      , L0160324      , L0160325      , L0160326      , L0160327      ,  
                   , L0160329      , L0160330      ,  
  
 L0160336      L0160331      , L0160332      , L0160333      , L0160334      , L0160335      ,  
                   , L0160337      , L0160338      ,  
  
 L0160344      L0160339      , L0160340      , L0160341      , L0160342      , L0160343      ,  
                   , L0160345      , L0160346      ,  
  
 L0160352      L0160347      , L0160348      , L0160349      , L0160350      , L0160351      ,  
                   , L0160353      , L0160354      ,  
  
 L0160360      L0160355      , L0160356      , L0160357      , L0160358      , L0160359      ,  
                   , L0160361      , L0160362      ,  
  
 L0160368      L0160363      , L0160364      , L0160365      , L0160366      , L0160367      ,  
                   , L0160369      , L0160370      ,  
  
 L0160376      L0160371      , L0160372      , L0160373      , L0160374      , L0160375      ,  
                   , L0160377      , L0160378      ,  
  
 L0160384      L0160379      , L0160380      , L0160381      , L0160382      , L0160383      ,  
                   , L0160385      , L0160386      ,  
  
 L0160392      L0160387      , L0160388      , L0160389      , L0160390      , L0160391      ,  
                   , L0160393      , L0160394      ,

^ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
 Creek\CC AERMOD\CC AERMOD.i \*\*\*      12/19/23

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\*\*\* MODELOPTs:      RegDEFAULT      CONC      ELEV      FLGPOL      RURAL      ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID  
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SOURCE IDs  
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L0160400      L0160395      , L0160396      , L0160397      , L0160398      , L0160399      ,  
                   , L0160401      , L0160402      ,

L0160408 L0160403 , L0160404 , L0160405 , L0160406 , L0160407 ,  
, L0160409 , L0160410 , ,

L0160416 L0160411 , L0160412 , L0160413 , L0160414 , L0160415 ,  
, L0160417 , L0160418 , ,

L0160424 L0160419 , L0160420 , L0160421 , L0160422 , L0160423 ,  
, L0160425 , L0160426 , ,

L0160432 L0160427 , L0160428 , L0160429 , L0160430 , L0160431 ,  
, L0160433 , L0160434 , ,

L0160440 L0160435 , L0160436 , L0160437 , L0160438 , L0160439 ,  
, L0160441 , L0160442 , ,

L0160448 L0160443 , L0160444 , L0160445 , L0160446 , L0160447 ,  
, L0160449 , L0160450 , ,

L0160456 L0160451 , L0160452 , L0160453 , L0160454 , L0160455 ,  
, L0160457 , L0160458 , ,

L0160464 L0160459 , L0160460 , L0160461 , L0160462 , L0160463 ,  
, L0160465 , L0160466 , ,

L0160472 L0160467 , L0160468 , L0160469 , L0160470 , L0160471 ,  
, L0160473 , L0160474 , ,

L0160480 L0160475 , L0160476 , L0160477 , L0160478 , L0160479 ,  
, L0160481 , L0160482 , ,

L0160488 L0160483 , L0160484 , L0160485 , L0160486 , L0160487 ,  
, L0160489 , L0160490 , ,

L0160496 L0160491 , L0160492 , L0160493 , L0160494 , L0160495 ,  
, L0160497 , L0160498 , ,

L0160504 L0160499 , L0160500 , L0160501 , L0160502 , L0160503 ,  
, L0160505 , L0160506 , ,

L0160512 L0160507 , L0160508 , L0160509 , L0160510 , L0160511 ,  
, L0160513 , L0160514 , ,

L0160520 L0160515 , L0160516 , L0160517 , L0160518 , L0160519 ,  
, L0160521 , L0160522 , ,

L0160528 L0160523 , L0160524 , L0160525 , L0160526 , L0160527 ,  
, L0160529 , L0160530 , ,

L0160531 , L0160532 , L0160533 , L0160534 , L0160535 ,

L0160536 , L0160537 , L0160538 ,  
 L0160539 , L0160540 , L0160541 , L0160542 , L0160543 ,  
 L0160544 , L0160545 , L0160546 ,  
 L0160547 , L0160548 , L0160549 , L0160550 , L0160551 ,  
 L0160552 , L0160553 , L0160554 ,  
 ▲ \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
 Creek\CC AERMOD\CC AERMOD.i \*\*\* 12/19/23  
 \*\*\* AERMET - VERSION 19191 \*\*\* \*\*\*  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID -----	SOURCE IDs -----
L0160560	L0160555 , L0160556 , L0160557 , L0160558 , L0160559 , L0160561 , L0160562 ,
L0160568	L0160563 , L0160564 , L0160565 , L0160566 , L0160567 , L0160569 , L0160570 ,
L0160576	L0160571 , L0160572 , L0160573 , L0160574 , L0160575 , L0160577 , L0160578 ,
L0160584	L0160579 , L0160580 , L0160581 , L0160582 , L0160583 , L0160585 , L0160586 ,
L0160592	L0160587 , L0160588 , L0160589 , L0160590 , L0160591 , L0160593 , L0160594 ,
L0160600	L0160595 , L0160596 , L0160597 , L0160598 , L0160599 , L0160601 , L0160602 ,
L0160608	L0160603 , L0160604 , L0160605 , L0160606 , L0160607 , L0160609 , L0160610 ,
L0160616	L0160611 , L0160612 , L0160613 , L0160614 , L0160615 , L0160617 , L0160618 ,
L0160624	L0160619 , L0160620 , L0160621 , L0160622 , L0160623 , L0160625 , L0160626 ,
	L0160627 , L0160628 , L0160629 , L0160630 , L0160631 ,

L0160632 , L0160633 , L0160634 ,  
 L0160640 , L0160641 , L0160642 , L0160635 , L0160636 , L0160637 , L0160638 , L0160639 ,  
 L0160648 , L0160649 , L0160650 , L0160643 , L0160644 , L0160645 , L0160646 , L0160647 ,  
 L0160656 , L0160657 , L0160658 , L0160651 , L0160652 , L0160653 , L0160654 , L0160655 ,  
 L0160664 , L0160665 , L0160666 , L0160659 , L0160660 , L0160661 , L0160662 , L0160663 ,  
 L0160672 , L0160673 , L0160674 , L0160667 , L0160668 , L0160669 , L0160670 , L0160671 ,  
 L0160680 , L0160681 , L0160682 , L0160675 , L0160676 , L0160677 , L0160678 , L0160679 ,  
 L0160688 , L0160689 , L0160690 , L0160683 , L0160684 , L0160685 , L0160686 , L0160687 ,  
 L0160696 , L0160697 , L0160698 , L0160691 , L0160692 , L0160693 , L0160694 , L0160695 ,  
 L0160704 , L0160705 , L0160706 , L0160699 , L0160700 , L0160701 , L0160702 , L0160703 ,  
 L0160712 , L0160713 , L0160714 , L0160707 , L0160708 , L0160709 , L0160710 , L0160711 ,

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
 Creek\CC AERMOD\CC AERMOD.i \*\*\* 12/19/23  
 \*\*\* AERMET - VERSION 19191 \*\*\*  
 \*\*\* 13:38:56

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID

SOURCE IDs

L0160715 , L0160716 , L0160717 , L0160718 , L0160719 ,  
 \*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
 Creek\CC AERMOD\CC AERMOD.i \*\*\* 12/19/23  
 \*\*\* AERMET - VERSION 19191 \*\*\*



\*\*\* UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED

CATEGORIES \*\*\*

(METERS/SEC)

1.54, 3.09, 5.14, 8.23,

10.80,

▲ \*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
 Creek\CC AERMOD\CC AERMOD.i \*\*\* 12/19/23  
 \*\*\* AERMET - VERSION 19191 \*\*\* \*\*\*  
 \*\*\* 13:38:56

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ\_U\*

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

DATA \*\*\*

Surface file: ..\Exec 14-18\14-18.SFC  
 Met Version: 19191  
 Profile file: ..\Exec 14-18\14-18.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 23232 Upper air station no.: 23230  
 Name: SACRAMENTO/EXECUTIVE\_ARPT Name:

OAKLAND/WSO\_AP

Year: 2014 Year: 2014

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN
ALBEDO	REF	WS	WD	HT	REF	TA	HT							
14	01	01	1	01	-1.4	0.061	-9.000	-9.000	-999.	36.	14.2	0.04	0.93	
1.00	0.62	152.	10.1	274.9	2.0									
14	01	01	1	02	-4.9	0.096	-9.000	-9.000	-999.	72.	16.7	0.16	0.93	
1.00	1.08	107.	10.1	274.2	2.0									
14	01	01	1	03	-5.3	0.100	-9.000	-9.000	-999.	76.	17.3	0.16	0.93	
1.00	1.13	95.	10.1	274.2	2.0									
14	01	01	1	04	-2.4	0.075	-9.000	-9.000	-999.	49.	15.4	0.16	0.93	
1.00	0.70	117.	10.1	273.8	2.0									
14	01	01	1	05	-3.8	0.084	-9.000	-9.000	-999.	59.	14.5	0.11	0.93	
1.00	1.03	120.	10.1	273.1	2.0									
14	01	01	1	06	-2.3	0.072	-9.000	-9.000	-999.	46.	14.5	0.11	0.93	
1.00	0.74	128.	10.1	273.1	2.0									
14	01	01	1	07	-1.3	0.061	-9.000	-9.000	-999.	36.	16.0	0.05	0.93	
1.00	0.53	232.	10.1	273.1	2.0									
14	01	01	1	08	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.08	0.93	

0.76	0.00	0.	10.1	273.1	2.0								
14	01	01	1	09	-1.5	0.085	-9.000	-9.000	-999.	60.	38.3	0.11	0.93
0.40	1.03	133.	10.1	278.1	2.0								
14	01	01	1	10	40.2	0.170	0.461	0.019	88.	168.	-11.2	0.11	0.93
0.28	1.50	122.	10.1	281.4	2.0								
14	01	01	1	11	74.7	0.195	0.704	0.017	170.	206.	-9.0	0.11	0.93
0.23	1.67	140.	10.1	283.8	2.0								
14	01	01	1	12	94.4	0.181	0.832	0.016	222.	184.	-5.7	0.04	0.93
0.22	1.88	157.	10.1	286.4	2.0								
14	01	01	1	13	97.3	0.170	0.891	0.014	265.	168.	-4.6	0.04	0.93
0.22	1.71	173.	10.1	287.5	2.0								
14	01	01	1	14	84.1	0.178	0.894	0.013	309.	181.	-6.1	0.04	0.93
0.23	1.81	202.	10.1	289.2	2.0								
14	01	01	1	15	54.8	0.119	0.824	0.012	371.	99.	-2.8	0.04	0.93
0.26	1.08	189.	10.1	289.9	2.0								
14	01	01	1	16	12.2	0.060	0.506	0.012	384.	36.	-1.6	0.04	0.93
0.35	0.52	169.	10.1	288.8	2.0								
14	01	01	1	17	-2.3	0.067	-9.000	-9.000	-999.	42.	11.9	0.04	0.93
0.60	0.96	173.	10.1	286.4	2.0								
14	01	01	1	18	-1.7	0.066	-9.000	-9.000	-999.	40.	15.2	0.09	0.93
1.00	0.62	252.	10.1	283.8	2.0								
14	01	01	1	19	-1.7	0.069	-9.000	-9.000	-999.	43.	17.0	0.15	0.93
1.00	0.55	79.	10.1	281.4	2.0								
14	01	01	1	20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.08	0.93
1.00	0.00	0.	10.1	280.4	2.0								
14	01	01	1	21	-1.7	0.062	-9.000	-9.000	-999.	37.	13.4	0.04	0.93
1.00	0.69	7.	10.1	279.2	2.0								
14	01	01	1	22	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.08	0.93
1.00	0.00	0.	10.1	278.1	2.0								
14	01	01	1	23	-1.3	0.060	-9.000	-9.000	-999.	35.	14.8	0.04	0.93
1.00	0.58	28.	10.1	277.5	2.0								
14	01	01	1	24	-2.2	0.067	-9.000	-9.000	-999.	42.	12.2	0.04	0.93
1.00	0.87	24.	10.1	277.5	2.0								

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
14	01	01	01	10.1	1	152.	0.62	274.9	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

▲ \*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
Creek\CC AERMOD\CC AERMOD.i \*\*\* 12/19/23

\*\*\* AERMET - VERSION 19191 \*\*\*

\*\*\* 13:38:56

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ\_U\*

\*\*\* THE PERIOD ( 43680 HRS) AVERAGE CONCENTRATION  
VALUES FOR SOURCE GROUP: ALL \*\*\*



INCLUDING SOURCE(S): L0160720 , L0160721  
 , L0160722 , L0160723 , L0160724 ,  
 L0160725 , L0160726 , L0160727 , L0160728 , L0160729  
 , L0160730 , L0160731 , L0160732 ,  
 L0160733 , L0160734 , L0160735 , L0160736 , L0160737  
 , L0160738 , L0160739 , L0160740 ,  
 L0160741 , L0160742 , L0160743 , L0160744 , L0160745  
 , L0160746 , L0160747 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF PM<sub>10</sub> IN MICROGRAMS/M\*\*3

\*\*

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
659762.33	4274622.32	0.28049	659784.78
4274612.84	0.28307		
659830.70	4274589.38	0.29278	660794.40
4269497.29	0.21351		
660445.65	4269579.81	0.18104	660405.17
4269638.97	0.17903		
660367.81	4269631.19	0.17518	658929.48
4268669.14	0.08587		
*** AERMOD - VERSION 22112 *** C:\Users\apoll\Desktop\HARP2\HARP\Coyote Creek\CC AERMOD\CC AERMOD.i *** 12/19/23 *** AERMET - VERSION 19191 *** *** *** 13:38:56			

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ\_U\*

VALUES FOR SOURCE GROUP: ALL \*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION \*\*\*  
 INCLUDING SOURCE(S): L0160720 , L0160721  
 , L0160722 , L0160723 , L0160724 ,  
 L0160725 , L0160726 , L0160727 , L0160728 , L0160729  
 , L0160730 , L0160731 , L0160732 ,  
 L0160733 , L0160734 , L0160735 , L0160736 , L0160737  
 , L0160738 , L0160739 , L0160740 ,  
 L0160741 , L0160742 , L0160743 , L0160744 , L0160745  
 , L0160746 , L0160747 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF PM<sub>10</sub> IN MICROGRAMS/M\*\*3

\*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
659762.33	4274622.32	11.83949	(14120909)	659784.78
4274612.84	11.81898	(14120909)		
659830.70	4274589.38	11.79763	(14120909)	660794.40
4269497.29	7.89996	(16122409)		
660445.65	4269579.81	7.10168	(16122409)	660405.17
4269638.97	7.07012	(16122409)		
660367.81	4269631.19	7.00819	(16122409)	658929.48
4268669.14	5.03072	(17013009)		

▲ \*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
 Creek\CC AERMOD\CC AERMOD.i \*\*\* 12/19/23  
 \*\*\* AERMET - VERSION 19191 \*\*\* \*\*\*  
 \*\*\* 13:38:56

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ\_U\*

\*\*\* THE SUMMARY OF MAXIMUM PERIOD ( 43680  
 HRS) RESULTS \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

\*\*

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV,
ZHILL, ZFLAG)	OF TYPE	GRID-ID	
ALL	1ST HIGHEST VALUE IS	0.29278 AT (	659830.70, 4274589.38, 95.58,
95.58,	1.80) DC		
	2ND HIGHEST VALUE IS	0.28307 AT (	659784.78, 4274612.84, 96.46,
96.46,	1.80) DC		
	3RD HIGHEST VALUE IS	0.28049 AT (	659762.33, 4274622.32, 96.02,
96.02,	1.80) DC		
	4TH HIGHEST VALUE IS	0.21351 AT (	660794.40, 4269497.29, 75.14,
75.14,	1.80) DC		
	5TH HIGHEST VALUE IS	0.18104 AT (	660445.65, 4269579.81, 77.33,
77.33,	1.80) DC		
	6TH HIGHEST VALUE IS	0.17903 AT (	660405.17, 4269638.97, 78.30,
78.30,	1.80) DC		
	7TH HIGHEST VALUE IS	0.17518 AT (	660367.81, 4269631.19, 78.58,
78.58,	1.80) DC		

8TH HIGHEST VALUE IS 0.08587 AT ( 658929.48, 4268669.14, 76.61,  
 76.61, 1.80) DC  
 9TH HIGHEST VALUE IS 0.00000 AT ( 0.00, 0.00, 0.00,  
 0.00, 0.00)  
 10TH HIGHEST VALUE IS 0.00000 AT ( 0.00, 0.00, 0.00,  
 0.00, 0.00)

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

▲ \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
 Creek\CC AERMOD\CC AERMOD.i \*\*\* 12/19/23  
 \*\*\* AERMET - VERSION 19191 \*\*\* \*\*\*  
 \*\*\* 13:38:56

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ\_U\*

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

RESULTS \*\*\*

\*\* CONC OF PM<sub>10</sub> IN MICROGRAMS/M\*\*3

\*\*

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

ALL HIGH 1ST HIGH VALUE IS 11.83949 ON 14120909: AT ( 659762.33,  
 4274622.32, 96.02, 96.02, 1.80) DC

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

▲ \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
 Creek\CC AERMOD\CC AERMOD.i \*\*\* 12/19/23  
 \*\*\* AERMET - VERSION 19191 \*\*\* \*\*\*  
 \*\*\* 13:38:56

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ\_U\*

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

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

A Total of                   0 Fatal Error Message(s)  
A Total of                   2 Warning Message(s)  
A Total of                 1576 Informational Message(s)  
  
A Total of                 43680 Hours Were Processed  
  
A Total of                 643 Calm Hours Identified  
  
A Total of                 933 Missing Hours Identified ( 2.14 Percent)

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

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*  
ME W186  15901            MEOPEN: THRESH\_1MIN 1-min ASOS wind speed threshold used  
          0.50  
ME W187  15901            MEOPEN: ADJ\_U\* Option for Stable Low Winds used in AERMET

\*\*\*\*\*  
\*\*\* AERMOD Finishes Successfully \*\*\*  
\*\*\*\*\*

▲ \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
Creek\CC AERMOD\CC AERMOD.i \*\*\* 12/19/23  
\*\*\* AERMET - VERSION 19191 \*\*\* \*\*\*  
\*\*\* 13:38:56

PAGE 1

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ\_U\*

\*\*\* MODEL SETUP OPTIONS SUMMARY

\*\*\*

\*\* Model Options Selected:

- \* Model Uses Regulatory DEFAULT Options
- \* Model Is Setup For Calculation of Average CONCentration Values.
- \* NO GAS DEPOSITION Data Provided.
- \* NO PARTICLE DEPOSITION Data Provided.
- \* Model Uses NO DRY DEPLETION. DDPLETE = F
- \* Model Uses NO WET DEPLETION. WETDPLT = F
- \* Stack-tip Downwash.
- \* Model Accounts for ELEVated Terrain Effects.
- \* Use Calms Processing Routine.
- \* Use Missing Data Processing Routine.
- \* No Exponential Decay.
- \* Model Uses RURAL Dispersion Only.
- \* ADJ\_U\* - Use ADJ\_U\* option for SBL in AERMET
- \* CCVR\_Sub - Meteorological data includes CCVR substitutions
- \* TEMP\_Sub - Meteorological data includes TEMP substitutions
- \* Model Accepts FLAGPOLE Receptor . Heights.
- \* The User Specified a Pollutant Type of: PM<sub>10</sub>

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

\*\*This Run Includes: 7845 Source(s); 1 Source Group(s); and 8  
Receptor(s)

with: 0 POINT(s), including  
0 POINTCAP(s) and 0 POINTHOR(s)  
and: 7845 VOLUME source(s)  
and: 0 AREA type source(s)  
and: 0 LINE source(s)  
and: 0 RLINE/RLINEXT source(s)  
and: 0 OPENPIT source(s)  
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)  
and: 0 SWPOINT source(s)

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









First hour of profile data

YR MO DY HR HEIGHT F WDIR WSPD AMB\_TMP sigmaA sigmaW sigmaV  
14 01 01 01 10.1 1 152. 0.62 274.9 99.0 -99.00 -99.00

F indicates top of profile (=1) or below (=0)

▲ \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
Creek\CC AERMOD\CC AERMOD.i \*\*\* 12/19/23  
\*\*\* AERMET - VERSION 19191 \*\*\* \*\*\*  
\*\*\* 13:38:56

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ\_U\*

\*\*\* THE SUMMARY OF MAXIMUM PERIOD ( 43680

HRS) RESULTS \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

\*\*

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV,
ZHILL, ZFLAG)	OF TYPE GRID-ID		
ALL	1ST HIGHEST VALUE IS	0.29278 AT (	659830.70, 4274589.38, 95.58,
95.58,	1.80) DC		
	2ND HIGHEST VALUE IS	0.28307 AT (	659784.78, 4274612.84, 96.46,
96.46,	1.80) DC		
	3RD HIGHEST VALUE IS	0.28049 AT (	659762.33, 4274622.32, 96.02,
96.02,	1.80) DC		
	4TH HIGHEST VALUE IS	0.21351 AT (	660794.40, 4269497.29, 75.14,
75.14,	1.80) DC		
	5TH HIGHEST VALUE IS	0.18104 AT (	660445.65, 4269579.81, 77.33,
77.33,	1.80) DC		
	6TH HIGHEST VALUE IS	0.17903 AT (	660405.17, 4269638.97, 78.30,
78.30,	1.80) DC		
	7TH HIGHEST VALUE IS	0.17518 AT (	660367.81, 4269631.19, 78.58,
78.58,	1.80) DC		
	8TH HIGHEST VALUE IS	0.08587 AT (	658929.48, 4268669.14, 76.61,
76.61,	1.80) DC		
	9TH HIGHEST VALUE IS	0.00000 AT (	0.00, 0.00, 0.00,
0.00,	0.00)		
	10TH HIGHEST VALUE IS	0.00000 AT (	0.00, 0.00, 0.00,
0.00,	0.00)		

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

▲ \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
Creek\CC AERMOD\CC AERMOD.i \*\*\* 12/19/23  
\*\*\* AERMET - VERSION 19191 \*\*\* \*\*\*  
\*\*\* 13:38:56

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\*\*\* MODELOPTs: RegDFault CONC ELEV FLGPOL RURAL ADJ\_U\*

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

RESULTS \*\*\*

\*\* CONC OF PM<sub>10</sub> IN MICROGRAMS/M\*\*3

\*\*

GROUP ID			NETWORK	DATE	RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)	AVERAGE CONC		(YMMDDHH)		
	OF TYPE	GRID-ID			
ALL	HIGH	1ST HIGH VALUE IS	11.83949	ON 14120909: AT (	659762.33,
4274622.32,	96.02,	96.02,	1.80)	DC	

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

▲ \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\apoll\Desktop\HARP2\HARP\Coyote  
Creek\CC AERMOD\CC AERMOD.i \*\*\* 12/19/23  
\*\*\* AERMET - VERSION 19191 \*\*\* \*\*\*  
\*\*\* 13:38:56

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\*\*\* MODELOPTs: RegDFault CONC ELEV FLGPOL RURAL ADJ\_U\*

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

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

A Total of 0 Fatal Error Message(s)  
A Total of 2 Warning Message(s)  
A Total of 1576 Informational Message(s)

A Total of 43680 Hours Were Processed

A Total of 643 Calm Hours Identified

A Total of 933 Missing Hours Identified ( 2.14 Percent)

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

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*  
ME W186 15901 MEOPEN: THRESH\_1MIN 1-min ASOS wind speed threshold used  
0.50  
ME W187 15901 MEOPEN: ADJ\_U\* Option for Stable Low Winds used in AERMET

HARP2 - HRACalc (dated 22118) 7/17/2024 7:50:31 AM - Output Log

GLCs loaded successfully  
Pollutants loaded successfully  
Pathway receptors loaded successfully

\*\*\*\*\*

RISK SCENARIO SETTINGS

Receptor Type: Resident  
Scenario: All  
Calculation Method: Derived

\*\*\*\*\*

EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25  
Total Exposure Duration: 1.5

Exposure Duration Bin Distribution

3rd Trimester Bin: 0.25  
0<2 Years Bin: 1.5  
2<9 Years Bin: 0  
2<16 Years Bin: 0  
16<30 Years Bin: 0  
16 to 70 Years Bin: 0

\*\*\*\*\*

PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True  
Soil: True  
Dermal: True  
Mother's milk: True  
Water: False  
Fish: False  
Homegrown crops: False  
Beef: False  
Dairy: False  
Pig: False  
Chicken: False  
Egg: False

\*\*\*\*\*

INHALATION

Daily breathing rate: LongTerm24HR

**\*\*Worker Adjustment Factors\*\***  
Worker adjustment factors enabled: NO

**\*\*Fraction at time at home\*\***  
3rd Trimester to 16 years: OFF  
16 years to 70 years: OFF

\*\*\*\*\*  
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.05  
Soil mixing depth (m): 0.01  
Dermal climate: Mixed

\*\*\*\*\*  
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.

Tier2 - What was changed: ED or start age changed|  
Calculating cancer risk  
Cancer risk breakdown by pollutant and receptor saved to: C:\Users\apoll\OneDrive - Dudek\Desktop\HARP2\HARP\Coyote Creek\COYOTE CREEK HARP\hra\ResidentialCancerRisk.csv  
Cancer risk total by receptor saved to: C:\Users\apoll\OneDrive - Dudek\Desktop\HARP2\HARP\Coyote Creek\COYOTE CREEK HARP\hra\ResidentialCancerRiskSumByRec.csv  
Calculating chronic risk  
Chronic risk breakdown by pollutant and receptor saved to: C:\Users\apoll\OneDrive - Dudek\Desktop\HARP2\HARP\Coyote Creek\COYOTE CREEK HARP\hra\ResidentialNCChronicRisk.csv  
Chronic risk total by receptor saved to: C:\Users\apoll\OneDrive - Dudek\Desktop\HARP2\HARP\Coyote Creek\COYOTE CREEK HARP\hra\ResidentialNCChronicRiskSumByRec.csv  
Calculating acute risk  
Acute risk breakdown by pollutant and receptor saved to: C:\Users\apoll\OneDrive - Dudek\Desktop\HARP2\HARP\Coyote Creek\COYOTE CREEK HARP\hra\ResidentialNCAcuteRisk.csv  
Acute risk total by receptor saved to: C:\Users\apoll\OneDrive - Dudek\Desktop\HARP2\HARP\Coyote Creek\COYOTE CREEK HARP\hra\ResidentialNCAcuteRiskSumByRec.csv  
HRA ran successfully





CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**CCAR Solar - Mitigated SMAQMD  
Sacramento Metropolitan AQMD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	10.00	1000sqft	2,555.00	10,000.00	0
User Defined Industrial	1.00	User Defined Unit	0.00	1.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	3.5	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	6			<b>Operational Year</b>	2025
<b>Utility Company</b>	Sacramento Municipal Utility District				
<b>CO2 Intensity (lb/MWhr)</b>	357.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - Operational year 2023.

Land Use - 2,555 acers based on total development area.

Construction Phase - Construction phasing information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant. Off-Highway Trucks include 3 water trucks and 3 dump trucks.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.

Off-road Equipment - Construction equipment information was provided by the project applicant.



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Off-road Equipment - Construction equipment information was provided by the project applicant.

Trips and VMT - Construction trip information is based on data provided by the project applicant.

On-road Fugitive Dust - Assumed 0.5 miles of travel on unpaved roads for worker vehicles.

Grading - 250,000 cy of export

Vehicle Trips - Trip rates were modified to be consistent with the anticipated operation and maintenance activity of 10 trips per day.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating -

Energy Use - Modified energy demand factors to account for an energy demand of 1,236 MW annually. The energy demand was provided by the project applicant.

Water And Wastewater - Outdoor watert use is consisitent with the Project Description of 2.2 acre-feet for operation. Water for construction modeled in user defined industrial.

Solid Waste - CalEEMod defaults.

Construction Off-road Equipment Mitigation - Included watering 3x daily, unpaved road stablization and vehicle speed reduction as Enhanced Fugitive PM dust control control in practices as recommended by the SMAQMD

Fleet Mix - CalEEMod defaults.

Stationary Sources - Emergency Generators and Fire Pumps - Two, 2,000 horse power Diesel emergency generartos

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	24.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	16.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	6,000.00	220.00
tblConstructionPhase	NumDays	6,000.00	65.00
tblConstructionPhase	NumDays	6,000.00	68.00
tblConstructionPhase	NumDays	155,000.00	230.00
tblConstructionPhase	NumDays	155,000.00	200.00
tblEnergyUse	LightingElect	1.60	0.00
tblEnergyUse	NT24E	1.36	123.60
tblEnergyUse	T24E	0.23	0.00
tblEnergyUse	T24NG	0.49	0.00
tblGrading	MaterialExported	0.00	250,000.00

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblLandUse	LandUseSquareFeet	0.00	1.00
tblLandUse	LotAcreage	0.23	2,555.00
tblOffRoadEquipment	HorsePower	85.00	950.00
tblOffRoadEquipment	HorsePower	158.00	172.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	300.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	402.00	200.00
tblOffRoadEquipment	HorsePower	402.00	150.00
tblOffRoadEquipment	HorsePower	168.00	350.00
tblOffRoadEquipment	HorsePower	168.00	160.00
tblOffRoadEquipment	HorsePower	168.00	790.00
tblOffRoadEquipment	HorsePower	168.00	755.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00

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tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblOnRoadDust	WorkerPercentPave	100.00	97.50
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripNumber	31,250.00	5,302.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,292.00



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblTripsAndVMT	WorkerTripLength	15.00	20.00
tblTripsAndVMT	WorkerTripNumber	33.00	0.00
tblTripsAndVMT	WorkerTripNumber	8.00	0.00
tblTripsAndVMT	WorkerTripNumber	30.00	0.00
tblTripsAndVMT	WorkerTripNumber	4.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblTripsAndVMT	WorkerTripNumber	4.00	0.00
tblTripsAndVMT	WorkerTripNumber	5.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblVehicleTrips	CC_TL	7.50	5.00
tblVehicleTrips	CC_TL	7.50	5.00
tblVehicleTrips	CNW_TL	8.50	6.50
tblVehicleTrips	CNW_TL	8.50	6.50
tblVehicleTrips	CW_TL	15.00	10.00
tblVehicleTrips	CW_TL	15.00	10.00
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	1.74	2.00
tblVehicleTrips	SU_TR	1.74	2.00
tblVehicleTrips	WD_TR	1.74	2.00
tblVehicleTrips	WD_TR	0.00	32.00
tblWater	IndoorWaterUseRate	2,312,500.00	0.00
tblWater	OutdoorWaterUseRate	0.00	716,873.00
tblWater	OutdoorWaterUseRate	0.00	82,440,413.00

**2.0 Emissions Summary**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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					
2024	1.0327	9.2005	10.2188	0.0239	0.9765	0.3624	1.3389	0.3970	0.3343	0.7313	0.0000	2,097.3619	2,097.3619	0.6522	5.0000e-003	2,115.1548
2025	0.4812	4.4126	7.3296	0.0119	0.3251	0.1776	0.5026	0.0392	0.1649	0.2040	0.0000	1,045.1761	1,045.1761	0.3013	2.7500e-003	1,053.5269
<b>Maximum</b>	<b>1.0327</b>	<b>9.2005</b>	<b>10.2188</b>	<b>0.0239</b>	<b>0.9765</b>	<b>0.3624</b>	<b>1.3389</b>	<b>0.3970</b>	<b>0.3343</b>	<b>0.7313</b>	<b>0.0000</b>	<b>2,097.3619</b>	<b>2,097.3619</b>	<b>0.6522</b>	<b>5.0000e-003</b>	<b>2,115.1548</b>

**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					
2024	0.3014	1.6401	13.5106	0.0239	0.3635	0.0386	0.4020	0.1476	0.0386	0.1861	0.0000	2,097.3594	2,097.3594	0.6522	5.0000e-003	2,115.1523
2025	0.1479	0.7679	8.4508	0.0119	0.1214	0.0190	0.1404	0.0148	0.0190	0.0338	0.0000	1,045.1748	1,045.1748	0.3013	2.7500e-003	1,053.5257
<b>Maximum</b>	<b>0.3014</b>	<b>1.6401</b>	<b>13.5106</b>	<b>0.0239</b>	<b>0.3635</b>	<b>0.0386</b>	<b>0.4020</b>	<b>0.1476</b>	<b>0.0386</b>	<b>0.1861</b>	<b>0.0000</b>	<b>2,097.3594</b>	<b>2,097.3594</b>	<b>0.6522</b>	<b>5.0000e-003</b>	<b>2,115.1523</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	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	70.33	82.31	-25.15	0.00	62.75	89.33	70.54	62.78	88.46	76.48	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2024	3-31-2024	0.8311	0.2120
2	4-1-2024	6-30-2024	2.2331	0.5210
3	7-1-2024	9-30-2024	2.4760	0.4189
4	10-1-2024	12-31-2024	4.7164	0.7953
5	1-1-2025	3-31-2025	2.3599	0.4245
6	4-1-2025	6-30-2025	2.2585	0.4122
7	7-1-2025	9-30-2025	0.2532	0.0746
		Highest	4.7164	0.7953



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.0437	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.7000e-004	2.7000e-004	0.0000	0.0000	2.9000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	200.6980	200.6980	0.0185	2.2400e-003	201.8288
Mobile	0.0228	0.0318	0.2271	5.0000e-004	0.0539	3.9000e-004	0.0543	0.0144	3.6000e-004	0.0148	0.0000	46.5080	46.5080	2.9600e-003	2.2100e-003	47.2404
Stationary	0.1641	0.7339	0.4184	7.9000e-004		0.0241	0.0241		0.0241	0.0241	0.0000	76.1594	76.1594	0.0107	0.0000	76.4264
Waste						0.0000	0.0000		0.0000	0.0000	1.9081	0.0000	1.9081	0.1128	0.0000	4.7273
Water						0.0000	0.0000		0.0000	0.0000	0.0000	47.2599	47.2599	4.3600e-003	5.3000e-004	47.5262
<b>Total</b>	<b>0.2306</b>	<b>0.7657</b>	<b>0.6457</b>	<b>1.2900e-003</b>	<b>0.0539</b>	<b>0.0245</b>	<b>0.0785</b>	<b>0.0144</b>	<b>0.0245</b>	<b>0.0389</b>	<b>1.9081</b>	<b>370.6255</b>	<b>372.5337</b>	<b>0.1493</b>	<b>4.9800e-003</b>	<b>377.7493</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**2.2 Overall Operational**

**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	0.0437	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.7000e-004	2.7000e-004	0.0000	0.0000	2.9000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	200.6980	200.6980	0.0185	2.2400e-003	201.8288
Mobile	0.0228	0.0318	0.2271	5.0000e-004	0.0539	3.9000e-004	0.0543	0.0144	3.6000e-004	0.0148	0.0000	46.5080	46.5080	2.9600e-003	2.2100e-003	47.2404
Stationary	0.1641	0.7339	0.4184	7.9000e-004		0.0241	0.0241		0.0241	0.0241	0.0000	76.1594	76.1594	0.0107	0.0000	76.4264
Waste						0.0000	0.0000		0.0000	0.0000	1.9081	0.0000	1.9081	0.1128	0.0000	4.7273
Water						0.0000	0.0000		0.0000	0.0000	0.0000	47.2599	47.2599	4.3600e-003	5.3000e-004	47.5262
<b>Total</b>	<b>0.2306</b>	<b>0.7657</b>	<b>0.6457</b>	<b>1.2900e-003</b>	<b>0.0539</b>	<b>0.0245</b>	<b>0.0785</b>	<b>0.0144</b>	<b>0.0245</b>	<b>0.0389</b>	<b>1.9081</b>	<b>370.6255</b>	<b>372.5337</b>	<b>0.1493</b>	<b>4.9800e-003</b>	<b>377.7493</b>

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

**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	3/1/2024	1/2/2025	5	220	
2	Perimeter Fence Installation	Site Preparation	3/1/2024	5/30/2024	5	65	

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3	Tree Removal	Site Preparation	3/1/2024	6/4/2024	5	68
4	Energy Storage System	Building Construction	8/1/2024	6/18/2025	5	230
5	Underground Work (Utilities)	Trenching	9/1/2024	1/31/2025	5	110
6	System Installation	Building Construction	9/25/2024	7/1/2025	5	200
7	Gen-Tie Construction	Trenching	10/1/2024	10/30/2024	5	22
8	Testing, Commissioning, Site Clean Up	Trenching	6/1/2025	8/27/2025	5	63

**Acres of Grading (Site Preparation Phase): 550**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	2	8.00	187	0.41
Site Preparation	Off-Highway Trucks	6	8.00	402	0.38
Site Preparation	Rollers	2	8.00	80	0.38
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Perimeter Fence Installation	Off-Highway Trucks	1	8.00	150	0.38
Perimeter Fence Installation	Rough Terrain Forklifts	1	8.00	100	0.40
Perimeter Fence Installation	Rubber Tired Dozers	0	0.00	247	0.40
Perimeter Fence Installation	Skid Steer Loaders	1	8.00	65	0.37
Perimeter Fence Installation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Tree Removal	Crushing/Proc. Equipment	1	8.00	950	0.78
Tree Removal	Excavators	3	8.00	172	0.38
Tree Removal	Other Material Handling Equipment	1	8.00	350	0.40

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Tree Removal	Other Material Handling Equipment	1	8.00	160	0.40
Tree Removal	Other Material Handling Equipment	1	8.00	790	0.40
Tree Removal	Other Material Handling Equipment	1	8.00	755	0.40
Tree Removal	Rubber Tired Dozers	0	8.00	247	0.40
Tree Removal	Skid Steer Loaders	4	8.00	65	0.37
Tree Removal	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Energy Storage System	Cranes	1	8.00	231	0.29
Energy Storage System	Forklifts	0	0.00	89	0.20
Energy Storage System	Generator Sets	0	0.00	84	0.74
Energy Storage System	Graders	0	8.00	187	0.41
Energy Storage System	Off-Highway Trucks	5	8.00	150	0.38
Energy Storage System	Rough Terrain Forklifts	4	8.00	100	0.40
Energy Storage System	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Energy Storage System	Welders	0	0.00	46	0.45
Underground Work (Utilities)	Cranes	0	0.00	231	0.29
Underground Work (Utilities)	Excavators	2	8.00	158	0.38
Underground Work (Utilities)	Off-Highway Trucks	1	8.00	300	0.38
Underground Work (Utilities)	Other Construction Equipment	1	8.00	172	0.42
Underground Work (Utilities)	Rollers	1	8.00	80	0.38
Underground Work (Utilities)	Rough Terrain Forklifts	1	8.00	100	0.40
System Installation	Cranes	1	8.00	231	0.29
System Installation	Forklifts	0	0.00	89	0.20
System Installation	Generator Sets	3	8.00	84	0.74
System Installation	Off-Highway Trucks	5	8.00	150	0.38
System Installation	Other Construction Equipment	5	8.00	172	0.42
System Installation	Rough Terrain Forklifts	10	8.00	100	0.40
System Installation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
System Installation	Welders	0	0.00	46	0.45
Gen-Tie Construction	Off-Highway Trucks	2	8.00	200	0.38

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Testing, Comissioning, Site Clean Up	Graders	1	8.00	187	0.41
Testing, Comissioning, Site Clean Up	Off-Highway Trucks	4	8.00	150	0.38
Testing, Comissioning, Site Clean Up	Skid Steer Loaders	1	8.00	65	0.37

**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	13	0.00	16.00	5,302.00	20.00	0.25	0.25	LD_Mix	HDT_Mix	HHDT
Perimeter Fence Installation	3	0.00	16.00	1,292.00	20.00	0.25	0.25	LD_Mix	HDT_Mix	HHDT
Tree Removal	12	0.00	4.00	1,350.00	20.00	0.25	0.25	LD_Mix	HDT_Mix	HHDT
Energy Storage System	11	0.00	4.00	4,582.00	20.00	0.25	0.25	LD_Mix	HDT_Mix	HHDT
Underground Work (Utilities)	6	0.00	2.00	2,184.00	20.00	0.25	0.25	LD_Mix	HDT_Mix	HHDT
System Installation	24	0.00	40.00	3,994.00	20.00	0.25	0.25	LD_Mix	HDT_Mix	HHDT
Gen-Tie Construction	2	0.00	4.00	438.00	20.00	0.25	0.25	LD_Mix	HDT_Mix	HHDT
Testing, Comissioning, Site Clean Up	6	0.00	4.00	1,258.00	20.00	0.25	0.25	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

- Use Cleaner Engines for Construction Equipment
- Use Soil Stabilizer
- Replace Ground Cover
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 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					
Fugitive Dust					0.9739	0.0000	0.9739	0.3962	0.0000	0.3962	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.6084	5.1883	4.1254	0.0136		0.2007	0.2007		0.1847	0.1847	0.0000	1,193.4458	1,193.4458	0.3860	0.0000	1,203.0954
<b>Total</b>	<b>0.6084</b>	<b>5.1883</b>	<b>4.1254</b>	<b>0.0136</b>	<b>0.9739</b>	<b>0.2007</b>	<b>1.1746</b>	<b>0.3962</b>	<b>0.1847</b>	<b>0.5809</b>	<b>0.0000</b>	<b>1,193.4458</b>	<b>1,193.4458</b>	<b>0.3860</b>	<b>0.0000</b>	<b>1,203.0954</b>

**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	2.7700e-003	0.0600	0.0393	9.0000e-005	6.1000e-004	8.0000e-005	6.9000e-004	1.7000e-004	8.0000e-005	2.5000e-004	0.0000	8.7250	8.7250	2.5000e-004	1.3800e-003	9.1420
Vendor	1.1700e-003	0.0264	0.0167	4.0000e-005	4.4000e-004	4.0000e-005	4.7000e-004	1.3000e-004	4.0000e-005	1.7000e-004	0.0000	3.8416	3.8416	1.1000e-004	6.0000e-004	4.0221
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>3.9400e-003</b>	<b>0.0864</b>	<b>0.0560</b>	<b>1.3000e-004</b>	<b>1.0500e-003</b>	<b>1.2000e-004</b>	<b>1.1600e-003</b>	<b>3.0000e-004</b>	<b>1.2000e-004</b>	<b>4.2000e-004</b>	<b>0.0000</b>	<b>12.5666</b>	<b>12.5666</b>	<b>3.6000e-004</b>	<b>1.9800e-003</b>	<b>13.1641</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2024**

**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					0.3608	0.0000	0.3608	0.1468	0.0000	0.1468	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1663	0.7205	6.3756	0.0136		0.0222	0.0222		0.0222	0.0222	0.0000	1,193.444 3	1,193.444 3	0.3860	0.0000	1,203.093 9
<b>Total</b>	<b>0.1663</b>	<b>0.7205</b>	<b>6.3756</b>	<b>0.0136</b>	<b>0.3608</b>	<b>0.0222</b>	<b>0.3830</b>	<b>0.1468</b>	<b>0.0222</b>	<b>0.1690</b>	<b>0.0000</b>	<b>1,193.444 3</b>	<b>1,193.444 3</b>	<b>0.3860</b>	<b>0.0000</b>	<b>1,203.093 9</b>

**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	2.7700e-003	0.0600	0.0393	9.0000e-005	6.1000e-004	8.0000e-005	6.9000e-004	1.7000e-004	8.0000e-005	2.5000e-004	0.0000	8.7250	8.7250	2.5000e-004	1.3800e-003	9.1420
Vendor	1.1700e-003	0.0264	0.0167	4.0000e-005	4.4000e-004	4.0000e-005	4.7000e-004	1.3000e-004	4.0000e-005	1.7000e-004	0.0000	3.8416	3.8416	1.1000e-004	6.0000e-004	4.0221
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>3.9400e-003</b>	<b>0.0864</b>	<b>0.0560</b>	<b>1.3000e-004</b>	<b>1.0500e-003</b>	<b>1.2000e-004</b>	<b>1.1600e-003</b>	<b>3.0000e-004</b>	<b>1.2000e-004</b>	<b>4.2000e-004</b>	<b>0.0000</b>	<b>12.5666</b>	<b>12.5666</b>	<b>3.6000e-004</b>	<b>1.9800e-003</b>	<b>13.1641</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 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					
Fugitive Dust					0.3235	0.0000	0.3235	0.0387	0.0000	0.0387	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.2100e-003	0.0413	0.0366	1.2000e-004		1.5800e-003	1.5800e-003		1.4500e-003	1.4500e-003	0.0000	10.9441	10.9441	3.5400e-003	0.0000	11.0326
<b>Total</b>	<b>5.2100e-003</b>	<b>0.0413</b>	<b>0.0366</b>	<b>1.2000e-004</b>	<b>0.3235</b>	<b>1.5800e-003</b>	<b>0.3251</b>	<b>0.0387</b>	<b>1.4500e-003</b>	<b>0.0402</b>	<b>0.0000</b>	<b>10.9441</b>	<b>10.9441</b>	<b>3.5400e-003</b>	<b>0.0000</b>	<b>11.0326</b>

**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	3.0000e-005	5.4000e-004	3.6000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0783	0.0783	0.0000	1.0000e-005	0.0821
Vendor	1.0000e-005	2.4000e-004	1.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0345	0.0345	0.0000	1.0000e-005	0.0361
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>4.0000e-005</b>	<b>7.8000e-004</b>	<b>5.1000e-004</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.1128</b>	<b>0.1128</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.1182</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Preparation - 2025**

**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					0.1199	0.0000	0.1199	0.0143	0.0000	0.0143	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5300e-003	6.6100e-003	0.0585	1.2000e-004		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	10.9441	10.9441	3.5400e-003	0.0000	11.0326
<b>Total</b>	<b>1.5300e-003</b>	<b>6.6100e-003</b>	<b>0.0585</b>	<b>1.2000e-004</b>	<b>0.1199</b>	<b>2.0000e-004</b>	<b>0.1201</b>	<b>0.0143</b>	<b>2.0000e-004</b>	<b>0.0145</b>	<b>0.0000</b>	<b>10.9441</b>	<b>10.9441</b>	<b>3.5400e-003</b>	<b>0.0000</b>	<b>11.0326</b>

**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	3.0000e-005	5.4000e-004	3.6000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0783	0.0783	0.0000	1.0000e-005	0.0821
Vendor	1.0000e-005	2.4000e-004	1.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0345	0.0345	0.0000	1.0000e-005	0.0361
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>4.0000e-005</b>	<b>7.8000e-004</b>	<b>5.1000e-004</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.1128</b>	<b>0.1128</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.1182</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Perimeter Fence Installation - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0127	0.1196	0.2280	3.4000e-004		4.4900e-003	4.4900e-003		4.1300e-003	4.1300e-003	0.0000	29.6918	29.6918	9.6000e-003	0.0000	29.9318
<b>Total</b>	<b>0.0127</b>	<b>0.1196</b>	<b>0.2280</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>4.4900e-003</b>	<b>4.4900e-003</b>	<b>0.0000</b>	<b>4.1300e-003</b>	<b>4.1300e-003</b>	<b>0.0000</b>	<b>29.6918</b>	<b>29.6918</b>	<b>9.6000e-003</b>	<b>0.0000</b>	<b>29.9318</b>

**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	6.8000e-004	0.0148	9.6600e-003	2.0000e-005	1.5000e-004	2.0000e-005	1.7000e-004	4.0000e-005	2.0000e-005	6.0000e-005	0.0000	2.1456	2.1456	6.0000e-005	3.4000e-004	2.2482
Vendor	3.5000e-004	7.8700e-003	4.9800e-003	1.0000e-005	1.3000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	1.1454	1.1454	3.0000e-005	1.8000e-004	1.1993
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.0300e-003</b>	<b>0.0226</b>	<b>0.0146</b>	<b>3.0000e-005</b>	<b>2.8000e-004</b>	<b>3.0000e-005</b>	<b>3.1000e-004</b>	<b>8.0000e-005</b>	<b>3.0000e-005</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>3.2911</b>	<b>3.2911</b>	<b>9.0000e-005</b>	<b>5.2000e-004</b>	<b>3.4474</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Perimeter Fence Installation - 2024**

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.9900e-003	0.0522	0.2567	3.4000e-004		5.6000e-004	5.6000e-004		5.6000e-004	5.6000e-004	0.0000	29.6917	29.6917	9.6000e-003	0.0000	29.9318
<b>Total</b>	<b>4.9900e-003</b>	<b>0.0522</b>	<b>0.2567</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>5.6000e-004</b>	<b>5.6000e-004</b>	<b>0.0000</b>	<b>5.6000e-004</b>	<b>5.6000e-004</b>	<b>0.0000</b>	<b>29.6917</b>	<b>29.6917</b>	<b>9.6000e-003</b>	<b>0.0000</b>	<b>29.9318</b>

**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	6.8000e-004	0.0148	9.6600e-003	2.0000e-005	1.5000e-004	2.0000e-005	1.7000e-004	4.0000e-005	2.0000e-005	6.0000e-005	0.0000	2.1456	2.1456	6.0000e-005	3.4000e-004	2.2482
Vendor	3.5000e-004	7.8700e-003	4.9800e-003	1.0000e-005	1.3000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	1.1454	1.1454	3.0000e-005	1.8000e-004	1.1993
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.0300e-003</b>	<b>0.0226</b>	<b>0.0146</b>	<b>3.0000e-005</b>	<b>2.8000e-004</b>	<b>3.0000e-005</b>	<b>3.1000e-004</b>	<b>8.0000e-005</b>	<b>3.0000e-005</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>3.2911</b>	<b>3.2911</b>	<b>9.0000e-005</b>	<b>5.2000e-004</b>	<b>3.4474</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Tree Removal - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0543	0.4785	0.7789	1.4500e-003		0.0207	0.0207		0.0191	0.0191	0.0000	127.3967	127.3967	0.0412	0.0000	128.4268
<b>Total</b>	<b>0.0543</b>	<b>0.4785</b>	<b>0.7789</b>	<b>1.4500e-003</b>	<b>0.0000</b>	<b>0.0207</b>	<b>0.0207</b>	<b>0.0000</b>	<b>0.0191</b>	<b>0.0191</b>	<b>0.0000</b>	<b>127.3967</b>	<b>127.3967</b>	<b>0.0412</b>	<b>0.0000</b>	<b>128.4268</b>

**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	7.1000e-004	0.0154	0.0101	2.0000e-005	1.6000e-004	2.0000e-005	1.8000e-004	4.0000e-005	2.0000e-005	6.0000e-005	0.0000	2.2419	2.2419	6.0000e-005	3.5000e-004	2.3491
Vendor	9.0000e-005	2.0600e-003	1.3000e-003	0.0000	3.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.2996	0.2996	1.0000e-005	5.0000e-005	0.3137
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>8.0000e-004</b>	<b>0.0175</b>	<b>0.0114</b>	<b>2.0000e-005</b>	<b>1.9000e-004</b>	<b>2.0000e-005</b>	<b>2.2000e-004</b>	<b>5.0000e-005</b>	<b>2.0000e-005</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>2.5415</b>	<b>2.5415</b>	<b>7.0000e-005</b>	<b>4.0000e-004</b>	<b>2.6628</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Tree Removal - 2024**

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0213	0.2204	0.9752	1.4500e-003		2.3800e-003	2.3800e-003		2.3800e-003	2.3800e-003	0.0000	127.3966	127.3966	0.0412	0.0000	128.4267
<b>Total</b>	<b>0.0213</b>	<b>0.2204</b>	<b>0.9752</b>	<b>1.4500e-003</b>	<b>0.0000</b>	<b>2.3800e-003</b>	<b>2.3800e-003</b>	<b>0.0000</b>	<b>2.3800e-003</b>	<b>2.3800e-003</b>	<b>0.0000</b>	<b>127.3966</b>	<b>127.3966</b>	<b>0.0412</b>	<b>0.0000</b>	<b>128.4267</b>

**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	7.1000e-004	0.0154	0.0101	2.0000e-005	1.6000e-004	2.0000e-005	1.8000e-004	4.0000e-005	2.0000e-005	6.0000e-005	0.0000	2.2419	2.2419	6.0000e-005	3.5000e-004	2.3491
Vendor	9.0000e-005	2.0600e-003	1.3000e-003	0.0000	3.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.2996	0.2996	1.0000e-005	5.0000e-005	0.3137
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>8.0000e-004</b>	<b>0.0175</b>	<b>0.0114</b>	<b>2.0000e-005</b>	<b>1.9000e-004</b>	<b>2.0000e-005</b>	<b>2.2000e-004</b>	<b>5.0000e-005</b>	<b>2.0000e-005</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>2.5415</b>	<b>2.5415</b>	<b>7.0000e-005</b>	<b>4.0000e-004</b>	<b>2.6628</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 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	0.1096	0.9736	1.6284	2.5700e-003		0.0397	0.0397		0.0365	0.0365	0.0000	225.4199	225.4199	0.0729	0.0000	227.2425
<b>Total</b>	<b>0.1096</b>	<b>0.9736</b>	<b>1.6284</b>	<b>2.5700e-003</b>		<b>0.0397</b>	<b>0.0397</b>		<b>0.0365</b>	<b>0.0365</b>	<b>0.0000</b>	<b>225.4199</b>	<b>225.4199</b>	<b>0.0729</b>	<b>0.0000</b>	<b>227.2425</b>

**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	1.1400e-003	0.0248	0.0162	4.0000e-005	2.5000e-004	3.0000e-005	2.9000e-004	7.0000e-005	3.0000e-005	1.0000e-004	0.0000	3.6062	3.6062	1.0000e-004	5.7000e-004	3.7785
Vendor	1.5000e-004	3.3000e-003	2.0900e-003	0.0000	5.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.4802	0.4802	1.0000e-005	7.0000e-005	0.5028
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.2900e-003</b>	<b>0.0281</b>	<b>0.0183</b>	<b>4.0000e-005</b>	<b>3.0000e-004</b>	<b>3.0000e-005</b>	<b>3.5000e-004</b>	<b>9.0000e-005</b>	<b>3.0000e-005</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>4.0864</b>	<b>4.0864</b>	<b>1.1000e-004</b>	<b>6.4000e-004</b>	<b>4.2813</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2024**

**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	0.0316	0.1369	1.8519	2.5700e-003		4.2100e-003	4.2100e-003		4.2100e-003	4.2100e-003	0.0000	225.4196	225.4196	0.0729	0.0000	227.2422
<b>Total</b>	<b>0.0316</b>	<b>0.1369</b>	<b>1.8519</b>	<b>2.5700e-003</b>		<b>4.2100e-003</b>	<b>4.2100e-003</b>		<b>4.2100e-003</b>	<b>4.2100e-003</b>	<b>0.0000</b>	<b>225.4196</b>	<b>225.4196</b>	<b>0.0729</b>	<b>0.0000</b>	<b>227.2422</b>

**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	1.1400e-003	0.0248	0.0162	4.0000e-005	2.5000e-004	3.0000e-005	2.9000e-004	7.0000e-005	3.0000e-005	1.0000e-004	0.0000	3.6062	3.6062	1.0000e-004	5.7000e-004	3.7785
Vendor	1.5000e-004	3.3000e-003	2.0900e-003	0.0000	5.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.4802	0.4802	1.0000e-005	7.0000e-005	0.5028
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.2900e-003</b>	<b>0.0281</b>	<b>0.0183</b>	<b>4.0000e-005</b>	<b>3.0000e-004</b>	<b>3.0000e-005</b>	<b>3.5000e-004</b>	<b>9.0000e-005</b>	<b>3.0000e-005</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>4.0864</b>	<b>4.0864</b>	<b>1.1000e-004</b>	<b>6.4000e-004</b>	<b>4.2813</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 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	0.1154	0.9894	1.8050	2.8500e-003		0.0399	0.0399		0.0367	0.0367	0.0000	250.1777	250.1777	0.0809	0.0000	252.2005
<b>Total</b>	<b>0.1154</b>	<b>0.9894</b>	<b>1.8050</b>	<b>2.8500e-003</b>		<b>0.0399</b>	<b>0.0399</b>		<b>0.0367</b>	<b>0.0367</b>	<b>0.0000</b>	<b>250.1777</b>	<b>250.1777</b>	<b>0.0809</b>	<b>0.0000</b>	<b>252.2005</b>

**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	1.2600e-003	0.0272	0.0180	4.0000e-005	2.8000e-004	4.0000e-005	3.2000e-004	8.0000e-005	4.0000e-005	1.1000e-004	0.0000	3.9173	3.9173	1.1000e-004	6.2000e-004	4.1046
Vendor	1.6000e-004	3.6200e-003	2.2900e-003	1.0000e-005	6.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.5218	0.5218	1.0000e-005	8.0000e-005	0.5464
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.4200e-003</b>	<b>0.0308</b>	<b>0.0203</b>	<b>5.0000e-005</b>	<b>3.4000e-004</b>	<b>4.0000e-005</b>	<b>3.9000e-004</b>	<b>1.0000e-004</b>	<b>4.0000e-005</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>4.4391</b>	<b>4.4391</b>	<b>1.2000e-004</b>	<b>7.0000e-004</b>	<b>4.6510</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Energy Storage System - 2025**

**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	0.0351	0.1520	2.0558	2.8500e-003		4.6800e-003	4.6800e-003		4.6800e-003	4.6800e-003	0.0000	250.1774	250.1774	0.0809	0.0000	252.2002
<b>Total</b>	<b>0.0351</b>	<b>0.1520</b>	<b>2.0558</b>	<b>2.8500e-003</b>		<b>4.6800e-003</b>	<b>4.6800e-003</b>		<b>4.6800e-003</b>	<b>4.6800e-003</b>	<b>0.0000</b>	<b>250.1774</b>	<b>250.1774</b>	<b>0.0809</b>	<b>0.0000</b>	<b>252.2002</b>

**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	1.2600e-003	0.0272	0.0180	4.0000e-005	2.8000e-004	4.0000e-005	3.2000e-004	8.0000e-005	4.0000e-005	1.1000e-004	0.0000	3.9173	3.9173	1.1000e-004	6.2000e-004	4.1046
Vendor	1.6000e-004	3.6200e-003	2.2900e-003	1.0000e-005	6.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.5218	0.5218	1.0000e-005	8.0000e-005	0.5464
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.4200e-003</b>	<b>0.0308</b>	<b>0.0203</b>	<b>5.0000e-005</b>	<b>3.4000e-004</b>	<b>4.0000e-005</b>	<b>3.9000e-004</b>	<b>1.0000e-004</b>	<b>4.0000e-005</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>4.4391</b>	<b>4.4391</b>	<b>1.2000e-004</b>	<b>7.0000e-004</b>	<b>4.6510</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 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	0.0571	0.4948	0.7442	1.4100e-003		0.0224	0.0224		0.0206	0.0206	0.0000	123.9969	123.9969	0.0401	0.0000	124.9995
<b>Total</b>	<b>0.0571</b>	<b>0.4948</b>	<b>0.7442</b>	<b>1.4100e-003</b>		<b>0.0224</b>	<b>0.0224</b>		<b>0.0206</b>	<b>0.0206</b>	<b>0.0000</b>	<b>123.9969</b>	<b>123.9969</b>	<b>0.0401</b>	<b>0.0000</b>	<b>124.9995</b>

**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	9.1000e-004	0.0197	0.0129	3.0000e-005	2.0000e-004	3.0000e-005	2.3000e-004	6.0000e-005	3.0000e-005	8.0000e-005	0.0000	2.8686	2.8686	8.0000e-005	4.5000e-004	3.0057
Vendor	6.0000e-005	1.3200e-003	8.3000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1916	0.1916	1.0000e-005	3.0000e-005	0.2006
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>9.7000e-004</b>	<b>0.0211</b>	<b>0.0137</b>	<b>3.0000e-005</b>	<b>2.2000e-004</b>	<b>3.0000e-005</b>	<b>2.5000e-004</b>	<b>7.0000e-005</b>	<b>3.0000e-005</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>3.0602</b>	<b>3.0602</b>	<b>9.0000e-005</b>	<b>4.8000e-004</b>	<b>3.2064</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2024**

**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	0.0173	0.0752	0.9382	1.4100e-003		2.3100e-003	2.3100e-003		2.3100e-003	2.3100e-003	0.0000	123.9968	123.9968	0.0401	0.0000	124.9994
<b>Total</b>	<b>0.0173</b>	<b>0.0752</b>	<b>0.9382</b>	<b>1.4100e-003</b>		<b>2.3100e-003</b>	<b>2.3100e-003</b>		<b>2.3100e-003</b>	<b>2.3100e-003</b>	<b>0.0000</b>	<b>123.9968</b>	<b>123.9968</b>	<b>0.0401</b>	<b>0.0000</b>	<b>124.9994</b>

**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	9.1000e-004	0.0197	0.0129	3.0000e-005	2.0000e-004	3.0000e-005	2.3000e-004	6.0000e-005	3.0000e-005	8.0000e-005	0.0000	2.8686	2.8686	8.0000e-005	4.5000e-004	3.0057
Vendor	6.0000e-005	1.3200e-003	8.3000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1916	0.1916	1.0000e-005	3.0000e-005	0.2006
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>9.7000e-004</b>	<b>0.0211</b>	<b>0.0137</b>	<b>3.0000e-005</b>	<b>2.2000e-004</b>	<b>3.0000e-005</b>	<b>2.5000e-004</b>	<b>7.0000e-005</b>	<b>3.0000e-005</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>3.0602</b>	<b>3.0602</b>	<b>9.0000e-005</b>	<b>4.8000e-004</b>	<b>3.2064</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 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	0.0141	0.1158	0.1958	3.7000e-004		5.1500e-003	5.1500e-003		4.7400e-003	4.7400e-003	0.0000	32.7800	32.7800	0.0106	0.0000	33.0450
<b>Total</b>	<b>0.0141</b>	<b>0.1158</b>	<b>0.1958</b>	<b>3.7000e-004</b>		<b>5.1500e-003</b>	<b>5.1500e-003</b>		<b>4.7400e-003</b>	<b>4.7400e-003</b>	<b>0.0000</b>	<b>32.7800</b>	<b>32.7800</b>	<b>0.0106</b>	<b>0.0000</b>	<b>33.0450</b>

**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	2.4000e-004	5.1600e-003	3.4100e-003	1.0000e-005	5.0000e-005	1.0000e-005	6.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.7421	0.7421	2.0000e-005	1.2000e-004	0.7776
Vendor	2.0000e-005	3.4000e-004	2.2000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0496	0.0496	0.0000	1.0000e-005	0.0519
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>2.6000e-004</b>	<b>5.5000e-003</b>	<b>3.6300e-003</b>	<b>1.0000e-005</b>	<b>6.0000e-005</b>	<b>1.0000e-005</b>	<b>7.0000e-005</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.7917</b>	<b>0.7917</b>	<b>2.0000e-005</b>	<b>1.3000e-004</b>	<b>0.8295</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Underground Work (Utilities) - 2025**

**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	4.5800e-003	0.0199	0.2480	3.7000e-004		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	32.7799	32.7799	0.0106	0.0000	33.0450
<b>Total</b>	<b>4.5800e-003</b>	<b>0.0199</b>	<b>0.2480</b>	<b>3.7000e-004</b>		<b>6.1000e-004</b>	<b>6.1000e-004</b>		<b>6.1000e-004</b>	<b>6.1000e-004</b>	<b>0.0000</b>	<b>32.7799</b>	<b>32.7799</b>	<b>0.0106</b>	<b>0.0000</b>	<b>33.0450</b>

**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	2.4000e-004	5.1600e-003	3.4100e-003	1.0000e-005	5.0000e-005	1.0000e-005	6.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.7421	0.7421	2.0000e-005	1.2000e-004	0.7776
Vendor	2.0000e-005	3.4000e-004	2.2000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0496	0.0496	0.0000	1.0000e-005	0.0519
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>2.6000e-004</b>	<b>5.5000e-003</b>	<b>3.6300e-003</b>	<b>1.0000e-005</b>	<b>6.0000e-005</b>	<b>1.0000e-005</b>	<b>7.0000e-005</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.7917</b>	<b>0.7917</b>	<b>2.0000e-005</b>	<b>1.3000e-004</b>	<b>0.8295</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 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	0.1749	1.6872	2.5352	4.0400e-003		0.0724	0.0724		0.0676	0.0676	0.0000	353.0857	353.0857	0.0974	0.0000	355.5208
<b>Total</b>	<b>0.1749</b>	<b>1.6872</b>	<b>2.5352</b>	<b>4.0400e-003</b>		<b>0.0724</b>	<b>0.0724</b>		<b>0.0676</b>	<b>0.0676</b>	<b>0.0000</b>	<b>353.0857</b>	<b>353.0857</b>	<b>0.0974</b>	<b>0.0000</b>	<b>355.5208</b>

**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	7.4000e-004	0.0160	0.0105	2.0000e-005	1.6000e-004	2.0000e-005	1.8000e-004	5.0000e-005	2.0000e-005	7.0000e-005	0.0000	2.3215	2.3215	7.0000e-005	3.7000e-004	2.4325
Vendor	9.4000e-004	0.0212	0.0134	3.0000e-005	3.5000e-004	3.0000e-005	3.8000e-004	1.0000e-004	3.0000e-005	1.3000e-004	0.0000	3.0839	3.0839	9.0000e-005	4.8000e-004	3.2288
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.6800e-003</b>	<b>0.0372</b>	<b>0.0239</b>	<b>5.0000e-005</b>	<b>5.1000e-004</b>	<b>5.0000e-005</b>	<b>5.6000e-004</b>	<b>1.5000e-004</b>	<b>5.0000e-005</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>5.4054</b>	<b>5.4054</b>	<b>1.6000e-004</b>	<b>8.5000e-004</b>	<b>5.6612</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2024**

**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	0.0481	0.2086	2.9064	4.0400e-003		6.4200e-003	6.4200e-003		6.4200e-003	6.4200e-003	0.0000	353.0853	353.0853	0.0974	0.0000	355.5203
<b>Total</b>	<b>0.0481</b>	<b>0.2086</b>	<b>2.9064</b>	<b>4.0400e-003</b>		<b>6.4200e-003</b>	<b>6.4200e-003</b>		<b>6.4200e-003</b>	<b>6.4200e-003</b>	<b>0.0000</b>	<b>353.0853</b>	<b>353.0853</b>	<b>0.0974</b>	<b>0.0000</b>	<b>355.5203</b>

**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	7.4000e-004	0.0160	0.0105	2.0000e-005	1.6000e-004	2.0000e-005	1.8000e-004	5.0000e-005	2.0000e-005	7.0000e-005	0.0000	2.3215	2.3215	7.0000e-005	3.7000e-004	2.4325
Vendor	9.4000e-004	0.0212	0.0134	3.0000e-005	3.5000e-004	3.0000e-005	3.8000e-004	1.0000e-004	3.0000e-005	1.3000e-004	0.0000	3.0839	3.0839	9.0000e-005	4.8000e-004	3.2288
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.6800e-003</b>	<b>0.0372</b>	<b>0.0239</b>	<b>5.0000e-005</b>	<b>5.1000e-004</b>	<b>5.0000e-005</b>	<b>5.6000e-004</b>	<b>1.5000e-004</b>	<b>5.0000e-005</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>5.4054</b>	<b>5.4054</b>	<b>1.6000e-004</b>	<b>8.5000e-004</b>	<b>5.6612</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 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	0.3023	2.8417	4.6981	7.5000e-003		0.1184	0.1184		0.1104	0.1104	0.0000	655.7556	655.7556	0.1805	0.0000	660.2684
<b>Total</b>	<b>0.3023</b>	<b>2.8417</b>	<b>4.6981</b>	<b>7.5000e-003</b>		<b>0.1184</b>	<b>0.1184</b>		<b>0.1104</b>	<b>0.1104</b>	<b>0.0000</b>	<b>655.7556</b>	<b>655.7556</b>	<b>0.1805</b>	<b>0.0000</b>	<b>660.2684</b>

**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	1.3600e-003	0.0293	0.0194	4.0000e-005	3.0000e-004	4.0000e-005	3.4000e-004	9.0000e-005	4.0000e-005	1.2000e-004	0.0000	4.2189	4.2189	1.2000e-004	6.7000e-004	4.4206
Vendor	1.7100e-003	0.0389	0.0246	6.0000e-005	6.5000e-004	5.0000e-005	7.0000e-004	1.9000e-004	5.0000e-005	2.4000e-004	0.0000	5.6065	5.6065	1.6000e-004	8.7000e-004	5.8701
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>3.0700e-003</b>	<b>0.0682</b>	<b>0.0440</b>	<b>1.0000e-004</b>	<b>9.5000e-004</b>	<b>9.0000e-005</b>	<b>1.0400e-003</b>	<b>2.8000e-004</b>	<b>9.0000e-005</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>9.8254</b>	<b>9.8254</b>	<b>2.8000e-004</b>	<b>1.5400e-003</b>	<b>10.2907</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 System Installation - 2025**

**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	0.0894	0.3874	5.3976	7.5000e-003		0.0119	0.0119		0.0119	0.0119	0.0000	655.7549	655.7549	0.1805	0.0000	660.2676
<b>Total</b>	<b>0.0894</b>	<b>0.3874</b>	<b>5.3976</b>	<b>7.5000e-003</b>		<b>0.0119</b>	<b>0.0119</b>		<b>0.0119</b>	<b>0.0119</b>	<b>0.0000</b>	<b>655.7549</b>	<b>655.7549</b>	<b>0.1805</b>	<b>0.0000</b>	<b>660.2676</b>

**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	1.3600e-003	0.0293	0.0194	4.0000e-005	3.0000e-004	4.0000e-005	3.4000e-004	9.0000e-005	4.0000e-005	1.2000e-004	0.0000	4.2189	4.2189	1.2000e-004	6.7000e-004	4.4206
Vendor	1.7100e-003	0.0389	0.0246	6.0000e-005	6.5000e-004	5.0000e-005	7.0000e-004	1.9000e-004	5.0000e-005	2.4000e-004	0.0000	5.6065	5.6065	1.6000e-004	8.7000e-004	5.8701
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>3.0700e-003</b>	<b>0.0682</b>	<b>0.0440</b>	<b>1.0000e-004</b>	<b>9.5000e-004</b>	<b>9.0000e-005</b>	<b>1.0400e-003</b>	<b>2.8000e-004</b>	<b>9.0000e-005</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>9.8254</b>	<b>9.8254</b>	<b>2.8000e-004</b>	<b>1.5400e-003</b>	<b>10.2907</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.8 Gen-Tie 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	5.9600e-003	0.0400	0.0371	1.4000e-004		1.6000e-003	1.6000e-003		1.4700e-003	1.4700e-003	0.0000	12.5497	12.5497	4.0600e-003	0.0000	12.6512
<b>Total</b>	<b>5.9600e-003</b>	<b>0.0400</b>	<b>0.0371</b>	<b>1.4000e-004</b>		<b>1.6000e-003</b>	<b>1.6000e-003</b>		<b>1.4700e-003</b>	<b>1.4700e-003</b>	<b>0.0000</b>	<b>12.5497</b>	<b>12.5497</b>	<b>4.0600e-003</b>	<b>0.0000</b>	<b>12.6512</b>

**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	2.3000e-004	5.0000e-003	3.2700e-003	1.0000e-005	5.0000e-005	1.0000e-005	6.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.7274	0.7274	2.0000e-005	1.1000e-004	0.7622
Vendor	3.0000e-005	6.7000e-004	4.2000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0969	0.0969	0.0000	2.0000e-005	0.1015
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>2.6000e-004</b>	<b>5.6700e-003</b>	<b>3.6900e-003</b>	<b>1.0000e-005</b>	<b>6.0000e-005</b>	<b>1.0000e-005</b>	<b>7.0000e-005</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.8243</b>	<b>0.8243</b>	<b>2.0000e-005</b>	<b>1.3000e-004</b>	<b>0.8636</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.8 Gen-Tie Construction - 2024**

**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	1.7700e-003	7.6700e-003	0.0649	1.4000e-004		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	12.5497	12.5497	4.0600e-003	0.0000	12.6512
<b>Total</b>	<b>1.7700e-003</b>	<b>7.6700e-003</b>	<b>0.0649</b>	<b>1.4000e-004</b>		<b>2.4000e-004</b>	<b>2.4000e-004</b>		<b>2.4000e-004</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>12.5497</b>	<b>12.5497</b>	<b>4.0600e-003</b>	<b>0.0000</b>	<b>12.6512</b>

**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	2.3000e-004	5.0000e-003	3.2700e-003	1.0000e-005	5.0000e-005	1.0000e-005	6.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.7274	0.7274	2.0000e-005	1.1000e-004	0.7622
Vendor	3.0000e-005	6.7000e-004	4.2000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0969	0.0969	0.0000	2.0000e-005	0.1015
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>2.6000e-004</b>	<b>5.6700e-003</b>	<b>3.6900e-003</b>	<b>1.0000e-005</b>	<b>6.0000e-005</b>	<b>1.0000e-005</b>	<b>7.0000e-005</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.8243</b>	<b>0.8243</b>	<b>2.0000e-005</b>	<b>1.3000e-004</b>	<b>0.8636</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.9 Testing, Commissioning, Site Clean Up - 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	0.0387	0.3030	0.5152	8.9000e-004		0.0125	0.0125		0.0115	0.0115	0.0000	78.0336	78.0336	0.0252	0.0000	78.6645
<b>Total</b>	<b>0.0387</b>	<b>0.3030</b>	<b>0.5152</b>	<b>8.9000e-004</b>		<b>0.0125</b>	<b>0.0125</b>		<b>0.0115</b>	<b>0.0115</b>	<b>0.0000</b>	<b>78.0336</b>	<b>78.0336</b>	<b>0.0252</b>	<b>0.0000</b>	<b>78.6645</b>

**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	6.6000e-004	0.0142	9.4000e-003	2.0000e-005	1.5000e-004	2.0000e-005	1.7000e-004	4.0000e-005	2.0000e-005	6.0000e-005	0.0000	2.0443	2.0443	6.0000e-005	3.2000e-004	2.1421
Vendor	8.0000e-005	1.8800e-003	1.1900e-003	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.2717	0.2717	1.0000e-005	4.0000e-005	0.2845
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>7.4000e-004</b>	<b>0.0161</b>	<b>0.0106</b>	<b>2.0000e-005</b>	<b>1.8000e-004</b>	<b>2.0000e-005</b>	<b>2.0000e-004</b>	<b>5.0000e-005</b>	<b>2.0000e-005</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>2.3160</b>	<b>2.3160</b>	<b>7.0000e-005</b>	<b>3.6000e-004</b>	<b>2.4266</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.9 Testing, Commissioning, Site Clean Up - 2025**

**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	0.0806	0.6118	8.9000e-004		1.4600e-003	1.4600e-003		1.4600e-003	1.4600e-003	0.0000	78.0335	78.0335	0.0252	0.0000	78.6644
<b>Total</b>	<b>0.0118</b>	<b>0.0806</b>	<b>0.6118</b>	<b>8.9000e-004</b>		<b>1.4600e-003</b>	<b>1.4600e-003</b>		<b>1.4600e-003</b>	<b>1.4600e-003</b>	<b>0.0000</b>	<b>78.0335</b>	<b>78.0335</b>	<b>0.0252</b>	<b>0.0000</b>	<b>78.6644</b>

**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	6.6000e-004	0.0142	9.4000e-003	2.0000e-005	1.5000e-004	2.0000e-005	1.7000e-004	4.0000e-005	2.0000e-005	6.0000e-005	0.0000	2.0443	2.0443	6.0000e-005	3.2000e-004	2.1421
Vendor	8.0000e-005	1.8800e-003	1.1900e-003	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.2717	0.2717	1.0000e-005	4.0000e-005	0.2845
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>7.4000e-004</b>	<b>0.0161</b>	<b>0.0106</b>	<b>2.0000e-005</b>	<b>1.8000e-004</b>	<b>2.0000e-005</b>	<b>2.0000e-004</b>	<b>5.0000e-005</b>	<b>2.0000e-005</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>2.3160</b>	<b>2.3160</b>	<b>7.0000e-005</b>	<b>3.6000e-004</b>	<b>2.4266</b>

**4.0 Operational Detail - Mobile**

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.0228	0.0318	0.2271	5.0000e-004	0.0539	3.9000e-004	0.0543	0.0144	3.6000e-004	0.0148	0.0000	46.5080	46.5080	2.9600e-003	2.2100e-003	47.2404
Unmitigated	0.0228	0.0318	0.2271	5.0000e-004	0.0539	3.9000e-004	0.0543	0.0144	3.6000e-004	0.0148	0.0000	46.5080	46.5080	2.9600e-003	2.2100e-003	47.2404

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	20.00	20.00	20.00	62,353	62,353
User Defined Industrial	32.00	0.00	0.00	83,200	83,200
<b>Total</b>	<b>52.00</b>	<b>20.00</b>	<b>20.00</b>	<b>145,553</b>	<b>145,553</b>

**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
Unrefrigerated Warehouse-No Rail	10.00	5.00	6.50	59.00	0.00	41.00	100	0	0
User Defined Industrial	10.00	5.00	6.50	100.00	0.00	0.00	100	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.546433	0.056674	0.183423	0.128799	0.024661	0.005883	0.013276	0.009437	0.000898	0.000581	0.025768	0.000959	0.003207

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

User Defined Industrial	0.546433	0.056674	0.183423	0.128799	0.024661	0.005883	0.013276	0.009437	0.000898	0.000581	0.025768	0.000959	0.003207
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**5.0 Energy Detail**

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	200.6980	200.6980	0.0185	2.2400e-003	201.8288
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	200.6980	200.6980	0.0185	2.2400e-003	201.8288
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





CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	1.236e+006	200.6980	0.0185	2.2400e-003	201.8288
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>200.6980</b>	<b>0.0185</b>	<b>2.2400e-003</b>	<b>201.8288</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	1.236e+006	200.6980	0.0185	2.2400e-003	201.8288
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>200.6980</b>	<b>0.0185</b>	<b>2.2400e-003</b>	<b>201.8288</b>

**6.0 Area Detail**

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.0437	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.7000e-004	2.7000e-004	0.0000	0.0000	2.9000e-004
Unmitigated	0.0437	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.7000e-004	2.7000e-004	0.0000	0.0000	2.9000e-004

**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	4.6400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0391					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.7000e-004	2.7000e-004	0.0000	0.0000	2.9000e-004
<b>Total</b>	<b>0.0437</b>	<b>0.0000</b>	<b>1.4000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.7000e-004</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.9000e-004</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**6.2 Area by SubCategory**

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	4.6400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0391					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.7000e-004	2.7000e-004	0.0000	0.0000	2.9000e-004
<b>Total</b>	<b>0.0437</b>	<b>0.0000</b>	<b>1.4000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.7000e-004</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.9000e-004</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	47.2599	4.3600e-003	5.3000e-004	47.5262
Unmitigated	47.2599	4.3600e-003	5.3000e-004	47.5262

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	0 / 0.716873	0.4074	4.0000e-005	0.0000	0.4097
User Defined Industrial	0 / 82.4404	46.8525	4.3200e-003	5.2000e-004	47.1165
<b>Total</b>		<b>47.2599</b>	<b>4.3600e-003</b>	<b>5.2000e-004</b>	<b>47.5262</b>

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**7.2 Water by Land Use**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	0 / 0.716873	0.4074	4.0000e-005	0.0000	0.4097
User Defined Industrial	0 / 82.4404	46.8525	4.3200e-003	5.2000e-004	47.1165
<b>Total</b>		<b>47.2599</b>	<b>4.3600e-003</b>	<b>5.2000e-004</b>	<b>47.5262</b>

**8.0 Waste Detail**

---

**8.1 Mitigation Measures Waste**

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1.9081	0.1128	0.0000	4.7273
Unmitigated	1.9081	0.1128	0.0000	4.7273

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	9.4	1.9081	0.1128	0.0000	4.7273
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>1.9081</b>	<b>0.1128</b>	<b>0.0000</b>	<b>4.7273</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	9.4	1.9081	0.1128	0.0000	4.7273
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>1.9081</b>	<b>0.1128</b>	<b>0.0000</b>	<b>4.7273</b>

**9.0 Operational Offroad**

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CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

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

**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	0.5	50	2000	0.73	Diesel

**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

**User Defined Equipment**

Equipment Type	Number
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**10.1 Stationary Sources**

**Unmitigated/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
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (750 - 9999 HP)	0.1641	0.7339	0.4184	7.9000e-004		0.0241	0.0241		0.0241	0.0241	0.0000	76.1594	76.1594	0.0107	0.0000	76.4264
<b>Total</b>	<b>0.1641</b>	<b>0.7339</b>	<b>0.4184</b>	<b>7.9000e-004</b>		<b>0.0241</b>	<b>0.0241</b>		<b>0.0241</b>	<b>0.0241</b>	<b>0.0000</b>	<b>76.1594</b>	<b>76.1594</b>	<b>0.0107</b>	<b>0.0000</b>	<b>76.4264</b>

**11.0 Vegetation**

CCAR Solar - Mitigated SMAQMD - Sacramento Metropolitan AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**



HARP2 - HRACalc (dated 22118) 7/17/2024 7:52:32 AM - Output Log

GLCs loaded successfully  
Pollutants loaded successfully  
Pathway receptors loaded successfully

\*\*\*\*\*

RISK SCENARIO SETTINGS

Receptor Type: Resident  
Scenario: All  
Calculation Method: Derived

\*\*\*\*\*

EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25  
Total Exposure Duration: 1.5

Exposure Duration Bin Distribution

3rd Trimester Bin: 0.25  
0<2 Years Bin: 1.5  
2<9 Years Bin: 0  
2<16 Years Bin: 0  
16<30 Years Bin: 0  
16 to 70 Years Bin: 0

\*\*\*\*\*

PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True  
Soil: True  
Dermal: True  
Mother's milk: True  
Water: False  
Fish: False  
Homegrown crops: False  
Beef: False  
Dairy: False  
Pig: False  
Chicken: False  
Egg: False

\*\*\*\*\*

INHALATION

Daily breathing rate: LongTerm24HR

**\*\*Worker Adjustment Factors\*\***  
Worker adjustment factors enabled: NO

**\*\*Fraction at time at home\*\***  
3rd Trimester to 16 years: OFF  
16 years to 70 years: OFF

\*\*\*\*\*  
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.05  
Soil mixing depth (m): 0.01  
Dermal climate: Mixed

\*\*\*\*\*  
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.

Tier2 - What was changed: ED or start age changed|

Calculating cancer risk

Cancer risk breakdown by pollutant and receptor saved to: C:\Users\apoll\OneDrive - Dudek\Desktop\HARP2\HARP\Coyote Creek\COYOTE CREEK HARP\hra\Residential MitigatedCancerRisk.csv

Cancer risk total by receptor saved to: C:\Users\apoll\OneDrive - Dudek\Desktop\HARP2\HARP\Coyote Creek\COYOTE CREEK HARP\hra\Residential MitigatedCancerRiskSumByRec.csv

Calculating chronic risk

Chronic risk breakdown by pollutant and receptor saved to: C:\Users\apoll\OneDrive - Dudek\Desktop\HARP2\HARP\Coyote Creek\COYOTE CREEK HARP\hra\Residential MitigatedNCChronicRisk.csv

Chronic risk total by receptor saved to: C:\Users\apoll\OneDrive - Dudek\Desktop\HARP2\HARP\Coyote Creek\COYOTE CREEK HARP\hra\Residential MitigatedNCChronicRiskSumByRec.csv

Calculating acute risk

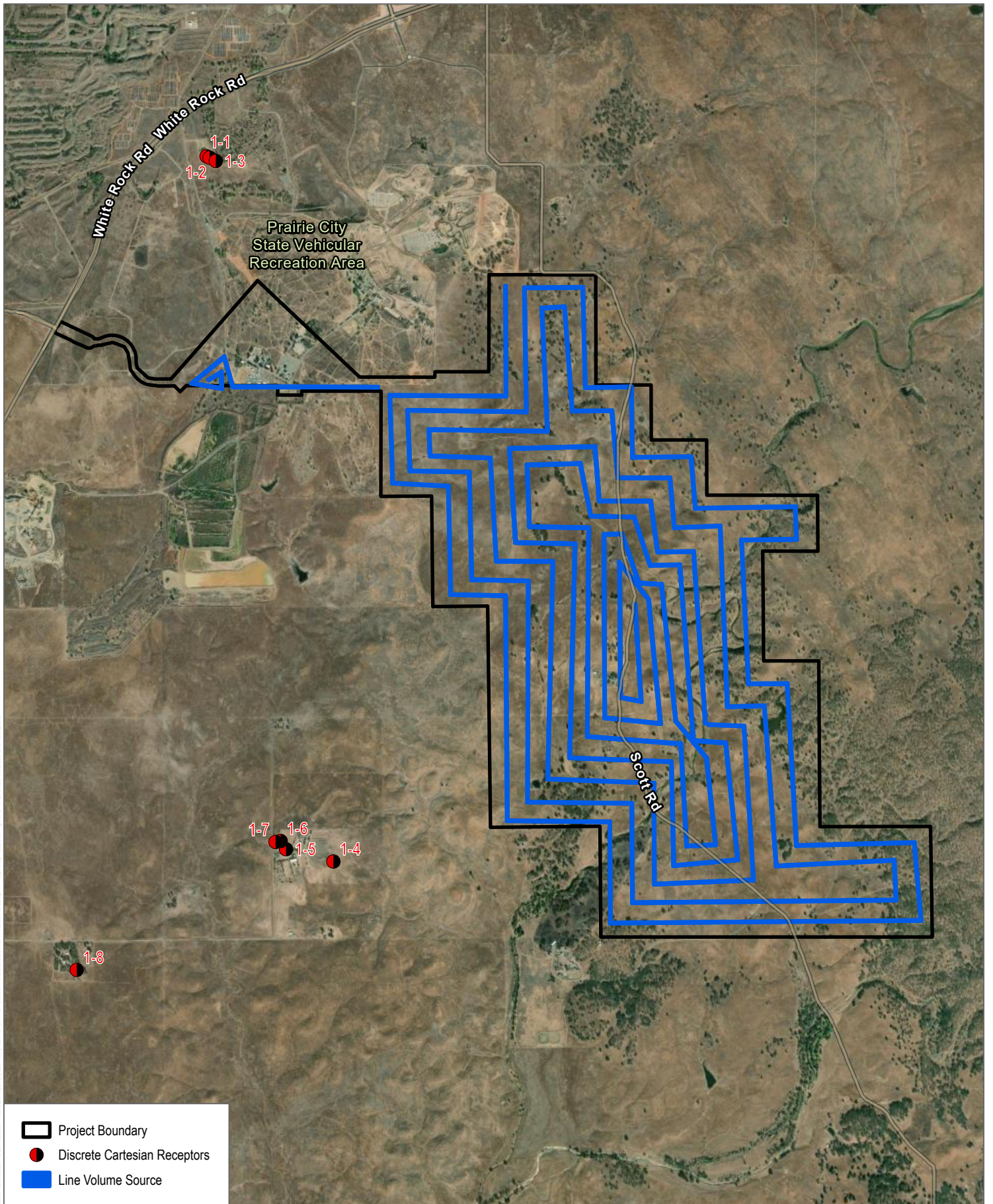
Acute risk breakdown by pollutant and receptor saved to: C:\Users\apoll\OneDrive - Dudek\Desktop\HARP2\HARP\Coyote Creek\COYOTE CREEK HARP\hra\Residential MitigatedNCAcuteRisk.csv




Acute risk total by receptor saved to: C:\Users\apoll\OneDrive - Dudek\Desktop\HARP2\HARP\Coyote Creek\COYOTE CREEK HARP\hra\Residential MitigatedNCAcuteRiskSumByRec.csv

HRA ran successfully







-  Project Boundary
-  Discrete Cartesian Receptors
-  Line Volume Source

SOURCE: ESRI 2023



**FIGURE B-1**  
**AERMOD Sources and Receptors**

Coyote Creek Agrivoltaic Project

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# **Attachment C**

## Climate Action Plan Consistency Checklist

## Application Information

### Contact Information

Project Name: Coyote Creek Agrivoltaic Ranch Project

Property Address and APN: 38.576278°North -121.132944° West, see attachment for APNs

Applicant Name and Co.: Sacramento Valley Energy Center, LLC

Contact Phone: \_\_\_\_\_ Contact Email: \_\_\_\_\_

Was a consultant retained to complete this checklist?  Yes  No  
If Yes, complete the following:

Consultant Name: Adam Poll Contact Phone: 805-308-8516

Company Name: Dudek Contact Email: apoll@dudek.com

### Project Information

1. What is the size of the project site (acres [gross and net])? 2,702.75
2. Identify all applicable proposed land uses (indicate square footage [gross and net]):
- Residential (indicate # of single-family dwelling units): \_\_\_\_\_
- Residential (indicate # of multifamily dwelling units): \_\_\_\_\_
- Commercial (indicate total square footage [gross and net]): \_\_\_\_\_
- Industrial (indicate total square footage [gross and net]): \_\_\_\_\_
- Agricultural (indicate total acreage [gross and net]): \_\_\_\_\_
- Other (describe): solar photovoltaic and BESS

3. Provide a description of the project. This description should match the project description used for the CEQA document. The description may be attached to the Checklist if there are space constraints.

Sacramento Valley Energy Center (applicant) proposes to construct and operate the Coyote Creek Agrivoltaic Ranch (CCAR), an approximately 200-megawatt (MW) alternating current (AC) photovoltaic (PV) solar energy generating facility and associated 4-hour/100 MW AC battery energy storage system (BESS). Components of the CCAR would include an on-site substation, inverters, solar array, fencing, roads, supervisory control and data acquisition (SCADA) system, generation tie (gen-tie) line, and switchyard. The project's 230-kilovolt (kV) gen-tie line would be approximately 1.3 miles long and would parallel the boundary of the Prairie City State Vehicle Recreation Area (SVRA). The gen-tie line would connect with a new switchyard that would be constructed to interconnect into the Sacramento Municipal Utility District (SMUD) 230 kV powerline in proximity to the Prairie City SVRA. Following construction of the switchyard, SMUD would own and operate the switchyard facilities.

## Step 1: Demonstrate Consistency with the General Plan

The CAP uses growth projections based on the implementation of the adopted General Plan to estimate future GHG emissions from activities occurring in the unincorporated area and County operations. Therefore, the first step in determining a project's consistency with the CAP is to demonstrate its consistency with the General Plan.

All projects must demonstrate consistency with existing General Plan land use designations and associated development densities and intensities. If a project is consistent with the General Plan, then Step 2 of the Checklist should be completed. If a project is not consistent with the General Plan, then it shall not use the CAP Consistency Checklist for CEQA streamlining.

Step 1: Demonstrate Consistency with the General Plan		
CAP Consistency Requirement	Yes	No
<p>1. <b>Is the proposed project consistent with the existing 2011 General Plan land use designations and the uses and development densities and intensities?</b></p> <p>If <b>"Yes,"</b> Questions 2, 3, and 4 below are not applicable and the project shall proceed to Step 2: Demonstrate Consistency with CAP Measures and Actions.</p> <p>If <b>"No,"</b> proceed to question 2 below.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Provide substantial evidence supporting the project's General Plan consistency determination. Attach additional information as needed.**



**Step 1: Demonstrate Consistency with the General Plan**

CAP Consistency Requirement	Yes	No
<p>2. <b>Is the project included in the growth forecasts of the CAP, as shown in Table 3 (<i>Communities and Associated Land Use Assumptions for 2045 Included in the GHG Emissions Forecast</i>) in CAP Appendix D <i>GHG Forecasts and Targets Analysis</i>?</b></p> <p>If <b>"Yes"</b>, Questions 3 and 4 below are not applicable and the project shall proceed to Step 2: Demonstrate Consistency with CAP Measures and Actions.</p> <p>If <b>"No"</b>, proceed to Question 3 below.</p>	<input type="checkbox"/>	<input type="checkbox"/>

**Provide substantial evidence supporting the project's CAP growth forecast consistency determination. Attach additional information as needed.**

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**Step 1: Demonstrate Consistency with the General Plan**

CAP Consistency Requirement	Yes	No
<p>3. <b>Is amendment to the Urban Policy Area (UPA) and/or Urban Services Boundary (USB) required for the project?</b></p> <p>If <b>“No”</b>, proceed to Question 4 below.</p> <p>If <b>“Yes”</b>, the applicant must conduct a full GHG impact analysis for the project as part of the CEQA process. STOP</p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>4. <b>If the proposed project is not consistent with the General Plan land use or zoning designations, or the growth forecasts of the CAP, does the project include a land use plan and/or zoning designation amendment that would result in equivalent or less GHG emissions when compared to the existing designations?</b></p> <p>Methodology: Compare the maximum buildout of the existing designation and the maximum buildout of the proposed designation using the California Emissions Estimator Model (CalEEMod) and standard GHG modeling protocol and methods pursuant to CEQA.</p> <p>If <b>“Yes”</b>, attach to this checklist the estimated project emissions under both existing and proposed designation(s) for comparison. Compare the maximum buildout of the existing designation and the maximum buildout of the proposed designation. If full buildout of the proposed project would result in the same or fewer GHG emissions than full buildout of the existing designations, proceed to Step 2: Demonstrate Consistency with CAP Measures and Actions.</p> <p>If <b>“No”</b>, the project proponent must conduct a full GHG impact analysis for the project as part of the CEQA process. The project shall incorporate each of the applicable measures identified in Step 2: Demonstrate Consistency with CAP Measures and Actions to mitigate cumulative GHG emissions impacts.</p>	<input type="checkbox"/>	<input type="checkbox"/>

## Step 2: Demonstrate Consistency with CAP Measures and Actions

The completion of this Checklist will document a project's compliance with the GHG reduction measures in the County's CAP that are applicable to new development and building retrofits and renovations. The compliance requirements and performance standards apply to development projects that include discretionary review, require environmental review, and, therefore, are not exempt under CEQA.

To demonstrate consistency with the CAP, all applicable Checklist questions must be answered "Consistent," and documentation provided that substantiates how compliance would be achieved. For measures for which a "Consistent" is indicated, the features must be demonstrated as part of the project's design and described. All applicable requirements in the Checklist will be included in the conditions of approval for issuance of building permit stage of project approval for projects that are using the checklist for streamlined environmental review. Projects that are using the checklist to only demonstrate CAP consistency for CEQA Guidelines Appendix G checklist, and not for streamlined environmental review, may not have requirements of the checklist included as conditions of approval.

**If any questions are marked with a "Not Consistent," the project cannot be determined to be consistent with the CAP, and project specific GHG analysis and mitigation would be required.** The project applicant should only select "Not Consistent" if it is infeasible, as defined by the CEQA Guidelines, for the project to comply with the CAP consistency requirement. Sufficient documentation of such infeasibility must be supplied to the County to support such a determination. The County retains ultimate discretion for determining the feasibility of the CAP consistency requirement for the proposed project.

If any questions are marked "N/A" (meaning "not applicable"), a statement describing why the question is not applicable shall be provided to the satisfaction of the Department of Planning and Environmental Review or building official.

For ease of reference, two sets of CAP consistency requirements are provided in this section: one set of requirements that applies to privately initiated projects (Table 1), and a second set of requirements that applies to County-initiated projects (Table 2).

**Table 1. CAP Consistency Requirements for Privately Initiated Projects**

CAP Consistency Requirement (Privately Initiated Project)	Supporting Measure (Action) in CAP	Project Consistency Determination		
		Consistent	Not Consistent	N/A
<b>1. Tree Planting</b>				
The project must plant an appropriate number of trees to provide a 20 percent canopy cover over the project site (excluding parking areas).	GHG-02 (GHG-02-c)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If the project includes parking areas, it must plant an appropriate number of trees onsite to provide a 50 percent canopy cover over parking surfaces.	GHG-02 (GHG-02-c)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If the project removes trees, it must replace all trees with appropriate sizes and species determined by PER.	GHG-02 (GHG-02-d)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Note:**

1. The County will amend the Zoning Code by 2025, pursuant to implementation action GHG-02-c and GHG-02-d. These requirements do not apply to projects unless the Zoning Code has been amended and the amendments have gone into effect.
2. Check "N/A" if the project is not a privately initiated project, is not subject to the Zoning Code as amended, or if the amendments are not in effect.

**Provide substantial evidence supporting the project's consistency determination. Attach additional information as needed.**

Mitigation of tree resources can be achieved through the following methods: (1) Mitigation for individual oaks less than 18 inches in DBH would require a mitigation ratio of 1:1 per diameter inch and heritage and landmark oak species with a DBH greater than 18 inches would require a mitigation ratio of 2:1 per diameter inch; (2) Mitigation at 1:1 ratio per contiguous acre loss of oak woodland/forest canopy cover. Mitigation for tree resources can be achieved through one or a combination of approaches: (1) on-site or off-site preservation and mitigation, (2) payment into in lieu fee program (e.g., Sacramento County Tree Preservation Fund), and (3) preservation bank credit purchase. In accordance with this mitigation, the project will plant 5,060 interior live oak trees.

**Table 1. CAP Consistency Requirements for Privately Initiated Projects (continued)**

CAP Consistency Requirement (Privately Initiated Project)	Supporting Measure (Action) in CAP	Project Consistency Determination		
		Consistent	Not Consistent	N/A
<b>2. Install Electric Vehicle Charging Infrastructure</b>				
<p>Projects of the below types must install EV charging capability consistent with the latest version of CALGreen Tier 2 Voluntary Measures:</p> <ol style="list-style-type: none"> <li><b>Single-family residential new construction projects;</b></li> <li><b>Multifamily residential new construction projects;</b></li> </ol> <p><b>Nonresidential new construction projects</b>, which must include both light-duty and medium-/heavy-duty requirements;</p>	GHG-07 (GHG-07-a)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>For <b>multifamily residential and nonresidential projects</b>, must include signage for EV charging facilities for both wayfinding and parking restrictions</p>	GHG-07 (GHG-07-a)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>For <b>nonresidential projects involving additions or alterations to existing buildings or parking facilities</b> which include an increase in power supply to an electric service panel as part of a parking facility addition or alteration, a new solar PV system is installed covering existing parking spaces, or when additions or alterations to existing buildings are triggered pursuant to CALGreen and includes an increase in power supply to an electric service panel, the project must be consistent with the latest version of CALGreen Tier 2 Voluntary Measures for EV charging.</p>	GHG-07 (GHG-07-b)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>For <b>multifamily residential projects involving additions or alterations to existing buildings or parking facilities</b> which include new parking facilities, a new solar PV system covering existing parking spaces, new electrical systems or lighting of existing parking facilities and the work requires a building permit, or when additions or alterations to existing buildings are triggered pursuant to CALGreen and includes an increase in power supply to an electric service panel, the</p>	GHG-07 (GHG-07-c)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Table 1. CAP Consistency Requirements for Privately Initiated Projects (continued)**

CAP Consistency Requirement (Privately Initiated Project)	Supporting Measure (Action) in CAP	Project Consistency Determination		
		Consistent	Not Consistent	N/A
project must be consistent with the latest version of Tier 2 Voluntary Measures for EV charging.				
For projects including a <b>gas station undergoing major renovation</b> with a permit value over \$300,000, at least one EV DC fast charging station must be installed for every 10 fuel dispensers.	GHG-07 (GHG-07-f)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Note:**

1. The County will amend the Zoning Code by 2025, pursuant to implementation action GHG-07-a, implementation action GHG-07-b and implementation action GHG-07-f. These requirements do not apply to projects unless the Zoning Code has been amended and the amendments have gone into effect.
2. Check "N/A" if the project is not a privately initiated project, is not subject to the Zoning Code as amended, or if the amendments are not in effect.

**Provide substantial evidence supporting the project's consistency determination. Attach additional information as needed.**

The project consists of a commercial solar PV and BESS and will be remotely monitored. There will be periodic maintenance and inspections performed by maintenance personnel traveling to the site. The project is not subject to this requirement.

**Table 1. CAP Consistency Requirements for Privately Initiated Projects (continued)**

CAP Consistency Requirement (Privately Initiated Project)	Supporting Measure (Action) in CAP	Project Consistency Determination		
		Consistent	Not Consistent	N/A
<b>3. Increase Active Transportation</b>				
<p>If both of the following conditions are met, the project must incorporate sidewalk and bikeway improvements from the County's Active Transportation Plan.</p> <ol style="list-style-type: none"> <li>1. Intersection or roadway segment improvements are proposed and/or required as part of the project, AND</li> <li>2. The County's Active Transportation Plan identifies sidewalks or on-road bikeway facilities at intersection(s) or on roadway segment(s) that would be improved as part of the project.</li> </ol> <p><i>Check "N/A" if the project does not meet both conditions.</i></p>	GHG-12 (GHG-12-a)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>If the project includes <b>multifamily residential, commercial, industrial, or institutional uses</b>, the project must include short-term and long-term employee bicycle parking.</p>	GHG-12 (GHG-12-b)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Note:**

1. The County will amend the Zoning Code and/or Design Guidelines by 2025 to clarify the siting of both short-term and long-term employee bicycle parking, pursuant to implementation action GHG-12-b. Prior to amendment, project applicants should refer to Zoning Code Section 5.9.9.B.
2. Check "N/A" if the project is not a privately initiated project.

**Provide substantial evidence supporting the project's consistency determination. Attach additional information as needed.**

The project consists of a commercial solar PV and BESS and will be remotely monitored. There will be periodic maintenance and inspections performed by maintenance personnel traveling to the site. The project is not subject to this requirement.

**Table 1. CAP Consistency Requirements for Privately Initiated Projects (continued)**

CAP Consistency Requirement (Privately Initiated Project)	Supporting Measure (Action) in CAP	Project Consistency Determination		
		Consistent	Not Consistent	N/A

**4. Reduce Vehicle Miles Traveled**

<p>The project must develop and implement a Transportation System Management (TSM) Plan to achieve a 15 percent reduction in annual project-generated vehicle miles traveled (VMT) below the regional average. Project applicants must report annual employee commute trips and achieved VMT reductions to align with the 15 percent target. The Project must join the 50 Corridor Transportation Management Association/Sacramento Transportation Management Association.</p>	<p>GHG-09 (GHG-09-a)</p>	<p align="center"><input type="checkbox"/></p>	<p align="center"><input type="checkbox"/></p>	<p align="center"><input checked="" type="checkbox"/></p>
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**Note:** The County will amend the Zoning Code to update the TSM Plan requirements by 2025, pursuant to implementation action GHG-09-a. These requirements do not apply to projects unless the Zoning Code has been amended and the amendments have gone into effect.

*If "Not Consistent" was selected because VMT cannot be reduced to required levels, appropriate fees must be paid into the County's VMT Mitigation Fee to reduce VMT to the appropriate levels through offsite mitigation, if the County VMT Mitigation Fee program has been established.*

*Check "N/A" if the project is not a privately initiated project, is not subject to the Zoning Code as amended, or if the amendments are not in effect.*

**Provide substantial evidence supporting the project's consistency determination. Attach additional information as needed.**

The project consists of a commercial solar PV and BESS and will be remotely monitored. There will be periodic maintenance and inspections performed by maintenance personnel traveling to the site. The project is not subject to this requirement.



**Table 1. CAP Consistency Requirements for Privately Initiated Projects (continued)**

CAP Consistency Requirement (Privately Initiated Project)	Supporting Measure (Action) in CAP	Project Consistency Determination		
		Consistent	Not Consistent	N/A
<b>5. Increase Transit Ridership</b>				
The project must comply with the County's Traffic Impact Analysis (TIA) Guidelines as amended to include assessments of public transit.	GHG-11 (GHG-11-a)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If the project is near transit, it must prioritize measures to improve and support transit access consistent with the TIA Guidelines as amended.	GHG-11 (GHG-11-b)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Note:** The County will amend the TIA Guidelines by 2025, pursuant to implementation actions GHG-11-a and GHG-11-b. This requirement does not apply to projects unless the TIA Guidelines have been amended and the amendments have gone into effect.

*Check "N/A" if the project is not a privately initiated project, is not subject to the Traffic Impact Analysis Guidelines as amended, or if the amendments are not in effect.*

**Provide substantial evidence supporting the project's consistency determination. Attach additional information as needed.**

The project consists of a commercial solar PV and BESS and will be remotely monitored. There will be periodic maintenance and inspections performed by maintenance personnel traveling to the site. The project is not subject to this requirement.

**Table 1. CAP Consistency Requirements for Privately Initiated Projects (continued)**

CAP Consistency Requirement (Privately Initiated Project)	Supporting Measure (Action) in CAP	Project Consistency Determination		
		Consistent	Not Consistent	N/A

**6. Reduce Parking Minimums**

If the project is a <b>residential project in a transit priority area</b> , the project must comply with the County's Zoning Code as amended to lower parking minimums and include shared parking facilities.	GHG-10 (GHG-10-b)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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**Note:** A 'Transit Priority Area' is defined in California Public Resource Code, Section 21099 as an area within one-half mile of a major transit stop that is existing or planned

The County will amend the Zoning Code by 2026, pursuant to implementation action GHG-10-b.

*Check "N/A" if the project is not a privately initiated project, is not subject to the Zoning Code as amended, or if the amendments are not in effect.*

**Provide substantial evidence supporting the project's consistency determination. Attach additional information as needed.**

The project consists of a commercial solar PV and BESS and will be remotely monitored. There will be periodic maintenance and inspections performed by maintenance personnel traveling to the site. The project is not subject to this requirement.

**Table 1. CAP Consistency Requirements for Privately Initiated Projects (continued)**

CAP Consistency Requirement (Privately Initiated Project)	Supporting Measure (Action) in CAP	Project Consistency Determination		
		Consistent	Not Consistent	N/A
<b>7. Decarbonize New Buildings</b>				
<b>All Projects</b> must use 100 percent carbon-free electricity for all operations by 2030. This can be achieved through utility-supplied electricity (such as from SMUD), on-site renewable electricity generation (such as rooftop solar), or both.	GHG-03 (GHG-03-b, GHG-03-c, GHG-03-d)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Residential projects</b> must meet or exceed a modeled EDR1 (hourly source energy) metric of 11.5 points above the 2022 Title 24, Part 6 statewide performance minimum (the “standard design building”).	GHG-05 (GHG-05-a)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Nonresidential projects</b> must reduce non-electricity-related GHG emissions by 85 percent below 2022 Title 24, Part 6 equivalent emissions for the respective building type.	GHG-05 (GHG-05-a)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Note:** The County will amend the Zoning Code by 2025 to establish requirements for residential and nonresidential development projects, pursuant to implementation action GHG-05-a.

These requirements do not apply to projects unless the Zoning Code has been amended and the amendments have gone into effect.

*Check “N/A” if the project is not a privately initiated project, is not subject to the Zoning Code as amended, or if the amendments are not in effect.*

**Provide substantial evidence supporting the project’s consistency determination. Attach additional information as needed.**

The project does not include any buildings onsite.

**Table 1. CAP Consistency Requirements for Privately Initiated Projects (continued)**

CAP Consistency Requirement (Privately Initiated Project)	Supporting Measure (Action) in CAP	Project Consistency Determination		
		Consistent	Not Consistent	N/A
<b>8. Decarbonize Existing Buildings</b>				
<b>All Projects</b> must use 100 percent carbon-free electricity for all operations by 2030. This can be achieved through utility-supplied electricity (such as from SMUD), on-site renewable electricity generation (such as rooftop solar), or both.	GHG-03 (GHG-03-b, GHG-03-c, GHG-03-d)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Residential projects</b> must meet or exceed a modeled energy efficiency that is half of the maximum cost-effective score at time-of-retrofit if the project if before 2030. The maximum cost-effective score for projects built after 2030.	GHG-04 (GHG-04-a)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Nonresidential projects</b> must: 1. Participate in and comply with requirements of any ongoing County building performance standards program, OR 2. Demonstrate measures to reduce non-electricity-related GHG emissions by 19 percent by 2030 and 85 percent by 2045, below building baseline levels.	GHG-04 (GHG-04-b)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Note:** The County will amend the Zoning Code by 2025 to establish requirements for residential and nonresidential retrofit and renovation projects, pursuant to implementation action GHG-04-a and GHG-04-b.

These requirements do not apply to projects unless the Zoning Code has been amended and the amendments have gone into effect.

*Check "N/A" if the project is not a privately initiated project, is not subject to the Zoning Code as amended, or if the amendments are not in effect.*

**Provide substantial evidence supporting the project's consistency determination. Attach additional information as needed.**

The project is not existing and does not include buildings.

**Table 1. CAP Consistency Requirements for Privately Initiated Projects (continued)**

CAP Consistency Requirement (Privately Initiated Project)	Supporting Measure (Action) in CAP	Project Consistency Determination		
		Consistent	Not Consistent	N/A
<b>9. Use Zero-Emission Construction Equipment</b>				
The project must comply with the County's Zoning Code as amended to require the use of electric-powered or zero-emission construction equipment starting in 2035.	GHG-16 (GHG-16-d)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Note:** The County will amend the Zoning Code by 2033, pursuant to implementation action GHG-16-d.

*Check "N/A" if the project is not a privately initiated project, is not subject to the Zoning Code as amended, or if the amendments are not in effect.*

**Provide substantial evidence supporting the project's consistency determination. Attach additional information as needed.**

The project will complete construction before 2035.

**Table 1. CAP Consistency Requirements for Privately Initiated Projects (continued)**

CAP Consistency Requirement (Privately Initiated Project)	Supporting Measure (Action) in CAP	Project Consistency Determination		
		Consistent	Not Consistent	N/A
<b>10. Increase Organic Waste Diversion</b>				
The project must provide proper storage, collection, and loading of organics in a manner that is convenient and safe for all users of the building. The project must ensure that collection containers for organics are of sufficient sizes, are kept clean, and are clearly labeled. The project must ensure sufficient pick-up of collection containers to meet the needs of the occupants.	GHG-14 (GHG-14-c)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
The project must provide space for multi-stream collection containers for both recycling and organics in any location where a solid waste container is traditionally housed. This applies to both outdoor collection containers serviced by a waste hauler and indoor collection containers utilized by occupants. The project must provide educational material and training to occupants and tenants on how to properly separate organics from all other solid waste and place organics in a separate container designated for organics.	GHG-14 (GHG-14-c)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
The project must require that all single-use food service ware (plates, bowls, cups) and accessories (straws, utensils, condiment cups) served by tenants at the project site be BPI-certified compostable fiber, except where certain materials may be deemed medically necessary or necessary to ensure equal access for persons with disabilities.	GHG-14 (GHG-14-c)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
The project must require that any single-use accessories (straws, utensils, condiment cups) provided or administered by project tenants be only available on demand.	GHG-14 (GHG-14-c)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
The project must require that containers are audited annually to ensure proper service levels and to check for contamination. The project must require haulers to report findings back to occupants within 30 days and to the County as requested.	GHG-14 (GHG-14-c)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Table 1. CAP Consistency Requirements for Privately Initiated Projects (*continued*)**

CAP Consistency Requirement (Privately Initiated Project)	Supporting Measure (Action) in CAP	Project Consistency Determination		
		Consistent	Not Consistent	N/A
The project must work with the waste hauler to provide educational materials to tenants on at least an annual basis.	GHG-14 (GHG-14-c)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
The project must provide compliance data to the County as required for any current auditing program.	GHG-14 (GHG-14-c)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Note:** The project must comply with all state and local requirements for composting and organic waste collection, including but not limited to Action GHG-14-c including all County requirements pursuant to SB 1383. Compliance with SB 1383 is the County's ongoing effort, and these requirements will apply to projects from the time of adoption of the CAP.

*Check "N/A" if the project is not a privately initiated project, is not subject to the Traffic Impact Analysis Guidelines as amended, or if the amendments are not in effect.*

**Provide substantial evidence supporting the project's consistency determination. Attach additional information as needed.**

The project is remotely managed and all waste generated onsite during routine maintenance will be removed from the site and disposed of in accordance with County rules and regulations.

**Table 1. Assessors Parcels within the Project Study Area and Transmission Corridor**

Assessor's Parcel Number	Total Approximate Acreage	Zoning
072-0100-016	2.40	AG-80
072-0100-017	13.69	AG-80
072-0100-018	38.56	AG-80
072-0110-022	3.05	AG-80
072-0110-045	7.70	AG-80
072-0110-066	36.82	AG-80
072-0110-067	79.87	AG-80
072-0110-069	83.73	AG-80
072-0110-070	80.89	AG-80
072-0110-071	81.07	AG-80
072-0110-069	55.22	AG-80
072-0110-073	41.52	AG-80
072-0110-074	27.16	AG-80
072-0110-075	18.27	AG-80
072-0110-076	27.97	AG-80
072-3160-003	2.22	AG-80
073-0010-026	0.09	AG-80
073-0020-008	4.98	AG-80
073-0020-015	29.75	AG-80
073-0020-022	13.77	AG-80
073-0020-029	11.26	AG-80
073-0020-032	15.76	AG-80
073-0020-033	13.19	AG-80
073-0020-034	78.74	AG-80
073-0020-035	38.05	AG-80
073-0020-036	39.14	AG-80
073-0020-037	39.19	AG-80
073-0020-038	12.33	AG-80
073-0020-039	73.46	AG-80
073-0020-040	57.80	AG-80
073-0020-041	40.06	AG-80
073-0020-042	73.57	AG-80
073-0020-043	48.59	AG-80
073-0020-044	52.42	AG-80
073-0020-045	105.13	AG-80
073-0020-046	4.17	AG-80
073-0020-048	5.53	AG-80
073-0020-049	41.05	AG-80
073-0020-050	55.84	AG-80
073-0020-051	78.46	AG-80
073-0020-052	83.43	AG-80



**Table 1. Assessors Parcels within the Project Study Area and Transmission Corridor**

Assessor's Parcel Number	Total Approximate Acreage	Zoning
073-0020-053	33.84	AG-80
073-0020-054	85.35	AG-80
073-0020-055	6.14	AG-80
073-0020-056	68.48	AG-80
073-0020-057	40.48	AG-80
073-0020-058	66.31	AG-80
073-0020-059	73.36	AG-80
073-0020-060	36.97	AG-80
073-0020-061	80.44	AG-80
073-0020-062	12.28	AG-80
073-0020-063	11.57	AG-80
073-0020-064	62.81	AG-80
073-0020-065	17.81	AG-80
073-0020-066	39.88	AG-80
073-0020-067	11.84	AG-80
073-0020-068	9.70	AG-80
073-0020-069	17.17	AG-80
073-0020-070	39.61	AG-80
073-0020-071	15.33	AG-80
073-0020-072	42.92	AG-80
073-0020-073	5.62	AG-80
073-0020-074	32.13	AG-80
073-0020-075	6.37	AG-80
073-0020-076	2.07	AG-80
073-0020-077	29.46	AG-80
073-0050-015	0.33	AG-80
073-0050-040	1.96	AG-80
073-0050-041	11.96	AG-80
073-0050-043	5.29	AG-80
073-0050-050	10.84	AG-80
<i>Subtotal</i>	2494.22	N/A
<b>Gen-Tie Line Alignment</b>		
072-3160-002	41.70	SPA-Aerojet
072-0100-027	63.41	M-2
072-0100-018	51.25	M-2
072-0110-031	6.75	M-2
072-0110-068*	45.42	AG-80
<i>Subtotal</i>	208.53	N/A
<b>Total Approximate Acreage</b>	<b>2,702.75</b>	<b>N/A</b>

**Notes:** N/A = not applicable. \*Parcel boundaries will be verified upon completion of final ALTA prior to construction. A slight discrepancy between the boundary for parcel 072-0110-068 and the Project Study Area boundary accounts for the approximately 1.25 acre difference between the PSA and the parcel data.