Application for CEQA Streamlining Under the "Jobs and Economic Improvement through Environmental Leadership Act" (Public Resources Code Section 21178 et seq.)

This application was prepared in accordance with the Governor's Guidelines for Streamlining Judicial Review under the California Environmental Quality Act (CEQA), which is provided on the Governor's Office of Planning and Research Webpage (http://opr.ca.gov/s_californiajobs.php). This application includes the necessary information to enable the Governor to determine whether the project satisfies the statutory requirements for CEQA streamlining.

PROJECT INFORMATION

Project Title: McCoy Solar Energy Project

Project Applicant: McCoy Solar, LLC

Project Location: Unincorporated portion of Riverside County, California

Project Description: The proposed McCoy Solar Energy Project (MSEP or Project) would be an up-to 750 megawatt (MW) net alternating current solar power generating installation located in an unincorporated portion of Riverside County. The Project will utilize photovoltaic (PV) technology for the generation of solar energy. The entire 750 MW Project would be comprised of two power units – Unit 1 with a capacity of 250 MW and Unit 2 with a capacity of up to 500 MW. The Project would be developed over an area of approximately 4,315 acres of federal land managed by the Bureau of Land Management (BLM) and 477 acres of private land, plus an approximately 15.5-mile long transmission line right-of-way.

CONSISTENCY WITH STATUTORY REQUIREMENTS FOR CEQA STREAMLINING

The following information is provided to illustrate that the Project satisfies the statutory requirements for CEQA streamlining as defined by the criteria set forth in the Governor's Guidelines for Streamlining Judicial Review under CEQA (Public Resources Code (PRC) Section 21178 et seq.).

1. The Project meets the criteria set forth in PRC Section 21180(b)(2).

   PRC Section 21180(b)(2) *A clean renewable energy project that generates electricity exclusively through wind or solar, but not including waste incineration or conversion.*

   The Project will be an up-to 750 megawatt (MW) net alternating current solar power generating PV installation located in an unincorporated portion of Riverside County. The entire 750 MW project would be comprised of two power units – Unit 1 with a capacity of 250 MW and Unit 2 with a capacity of up to 500 MW.

2. The Project meets the requirements of PRC Section 21181.

> PRC Section 21181 *This chapter does not apply to a project if the applicant fails to notify a lead agency prior to the release of the draft environmental impact report for public comment that the applicant is electing to proceed pursuant to this chapter. The lead agency shall notify the Secretary of the Natural Resources Agency if the applicant fails to provide notification pursuant to this section.*

Because the MSEP is located on both federal and private lands, a joint Environmental Impact Statement and Environmental Impact Report (EIS/EIR) is being prepared by the U.S. Bureau of Land Management (BLM) as the NEPA lead and Riverside County as the CEQA lead.

Riverside County has been notified that the Project intends to qualify for certification under Jobs and Economic Improvement through Environmental Leadership Act and Riverside County is planning on including the requisite public notification information in the Draft EIR.

3. The Project entails a minimum investment requirement of PRC Section 21183(b).

> PRC Section 21183(b) *The project will result in a minimum investment of one hundred million dollars ($100,000,000) in California upon completion of construction.*

McCoy Solar, LLC's level of investment in California is expected to exceed one hundred million dollars ($100,000,000) during Unit 1 construction, with additional California investment for Unit 2 expected to be the same as or higher than for Unit 1.

4. The prevailing and living wage requirements of PRC Section 21183(b) will be satisfied.

> PRC Section 21183(b) *The project creates high-wage, highly skilled jobs that pay prevailing wages and living wages and provide construction jobs and permanent jobs for Californians, and helps reduce unemployment.*

PRC Section 21183(b) will be satisfied. The project will create high-wage, highly skilled jobs for construction professionals including carpenters, electricians, and heavy equipment operators that pay prevailing wages and living wages and provide permanent jobs for Californians, and helps reduce unemployment.

The total number of construction workers (consisting of laborers, craftsmen, supervisory personnel, support personnel, and construction management personnel) is expected to range between 43 and 600 over an approximate 46-month period. The average on-site construction workforce would consist of approximately 341 construction, supervisory, support, and construction management personnel. Experience has shown that special circumstances could arise that warrant an increased number of up to 750 on-site workers for a short period of time.

Approximately 20 permanent, full-time personnel would be employed at the solar plant site during daytime working hours assuming both units are operational. Temporary personnel would be employed, as needed, during seasonal periods when panel washing is required. The plant electricians and instrumentation technicians would perform activities such as the tightening of mechanical fasteners, replacement of damaged or exposed wiring, tracker drive maintenance or fluid replenishment, or PCS maintenance such as filter replacement, equipment testing, or minor equipment repair. Occasionally there will be a need to replace a PV panel. Currently the life of the Project is anticipated to be 30 years.

5. The project will not result in any net additional greenhouse gas (GHG) emissions pursuant to PRC Section 21183(c).

> PRC Section 21183(c) *The project does not result in any net additional emission of greenhouse gases, including greenhouse gas emissions from employee transportation, as determined by the State Air Resources Board pursuant to Division 25.5 (commencing with Section 38500) of the Health and Safety Code.*

An Air Quality and Greenhouse Gas Study was prepared for the proposed Project and is included as Attachment A (Air Quality and Greenhouse Gas Study) to this application. As discussed in the Air Quality and Greenhouse Gas Study, combining the total construction and operation GHG emissions, the proposed Project will emit the following:

12,672 tonnes CO_2e during construction + 6,480 (216 x 30 years[1]) tonnes CO_2e during operation, for a Project total of 19,152 tonnes of CO_2e of greenhouse gases.

As discussed in the Air Quality and Greenhouse Gas Study prepared for the Project, the proposed 750 MW solar Project will result in the displacement of GHG intensive forms of energy production, and therefore, result in an overall net reduction in GHG emissions. However, to ensure the Project meets the requirements of PRC Section 21183(c) and goes above and beyond standard GHG emission mitigation of renewable energy sites, McCoy Solar, LLC would secure voluntary carbon credits totaling 19,152 tonnes CO_2e. Securing these carbon credits will offset the GHG emissions generated during construction and operation of the Project; and therefore, the Project will not result in any net additional GHG emissions, as required by PRC Section 21183(c).

The voluntary carbon credits would be secured from NextEra Energy Resources, LLC or from a similar type of voluntary credit generator. In 2010, NextEra Energy Resources submitted the Capricorn Ridge 4 wind project to the Voluntary Carbon Standard (VCS, now called the Verified Carbon Standard) to generate carbon offset credits. The 112.5 MW project is located in Sterling and Coke counties in West Texas. The Project Design Document (PDD) was validated by a qualified third party, First Environment. First Environment also verified the creation of the Verified Carbon Units (VCUs) for the renewable generation from the project for periods from January 1, 2010 through September 30, 2010, accounting for over 100,000 tonnes of carbon credits. The majority of these VCUs have been sold in the voluntary carbon offset market, with the remaining VCUs still residing in NextEra Energy Resources' NYSE Blue (APX) registry account. McCoy Solar, LLC would secure 19,152 tonnes of these remaining VCUs or similar carbon offsets to mitigate the construction and operations of MSEP.

6. There will be a binding agreement between the project proponent and the lead agency establishing the requirements set forth in PRC sections 21183(d), (e), and (f).

> PRC Section 21183(d) *The project applicant has entered into a binding and enforceable agreement that all mitigation measures required pursuant to this division to certify the project under this chapter shall be conditions of approval of the project, and those conditions will be fully enforceable by the lead agency or another agency designated by the lead agency. In the case of environmental mitigation measures, the applicant agrees, as an ongoing obligation, that those measures will be monitored and enforced by the lead agency for the life of the obligation.*
>
> PRC Section 21183(e) *The project applicant agrees to pay the costs of the Court of Appeal in hearing and deciding any case, including payment of the costs for the appointment of a special master if deemed appropriate by the court, in a form and manner*

[1] Assumed life of the Project

> *specified by the Judicial Council, as provided in the Rules of Court adopted by the Judicial Council pursuant to subdivision (f) of Section 21185.*
>
> PRC Section 21183(f) *The project applicant agrees to pay the costs of preparing the administrative record for the project concurrent with review and consideration of the project pursuant to this division, in a form and manner specified by the lead agency for the project.*

An EIS/EIR is being prepared for the proposed Project pursuant to the National Environmental Policy Act (NEPA) and CEQA. Prior to approval of the Project, the EIR/EIR must be certified by the lead agency (Riverside County) and a mitigation monitoring and reporting plan must be adopted. It is expected that mitigation measures resulting from this application for CEQA streamlining will be included in the mitigation monitoring and reporting plan and/or as conditions of project approval. The applicant will be required to implement all mitigation measures contained in the mitigation monitoring and reporting plan and adhere to all conditions of project approval set forth by Riverside County and the BLM.

McCoy Solar, LLC agrees to pay the costs described in PRC sections 21183 (e),&(f), should such costs arise.

Name of Applicant Representative: Scott Busa, Executive Director, McCoy Solar, LLC

Signature of Applicant Representative: _____ **Date:** 1/11/2012

Attachments

Attachment A – Air Quality and Greenhouse Gas Study (PRC Section 21183(c))

Attachment A

Air Quality and Greenhouse Gas Technical Report

McCoy Solar Energy Project

Environment

Prepared for:
McCoy Solar, LLC

Prepared by:
AECOM
Camarillo, CA
60225618-300
December 2011

Air Quality and Greenhouse Gas Technical Report
McCoy Solar Energy Project
Riverside County, California

AECOM Environment

Prepared for:
McCoy Solar, LLC

Prepared by:
AECOM
Camarillo, CA
60225618-300
December 2011

Air Quality and Greenhouse Gas Technical Report
McCoy Solar Energy Project
Riverside County, California

Prepared By Snigdha Mehta

Sean Wazlaw

Reviewed By Sara J. Head, Vice President

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1.0 Introduction

McCoy Solar, LLC (Applicant) is proposing to construct and operate the McCoy Solar Energy Project (MSEP or Project), a photovoltaic solar facility in the Riverside County portion of the Mojave Desert Air Basin of California. During both construction and operation of the Project, criteria pollutants and greenhouse gas (GHG) emissions would be generated due to equipment and vehicle use. The purpose of this technical study is to analyze the potential air quality and GHG impacts that could occur during construction and operation of the Project. In addition, an analysis of potential health risks associated with emissions of diesel particulate matter is provided.

The emissions and impacts discussions in this report are divided into four sections, as follows:

- Project Overview
- Air Quality (Criteria Pollutants)
- Health Risks due to Diesel Particulate Matter
- Greenhouse Gases

The content and methodologies presented in this technical report are based on guidance provided by the United States Department of the Interior's Bureau of Land Management (BLM) and their third party contractor during a telephone conference call held on October 17, 2011 with the Applicant and its consultants.

This technical report concludes that impacts to air quality, health risks and climate change from GHG emissions from the McCoy Solar Energy Project will be insignificant.

2.0 Project Overview

The proposed Project would be an up-to 750 megawatt (MW) net alternating current solar power generating installation located in an unincorporated portion of Riverside County. The entire 750 MW Project would be comprised of two power units – Unit 1 with a capacity of 250 MW and Unit 2 with a capacity of up to 500 MW. The Project would be developed over an area of approximately 4,315 acres of BLM land and 477 acres of private land (not including the transmission line right-of-way).

Key components of the proposed Project are:

- The solar plant site, which would include all facilities that create a footprint in and around the field of solar panels, including facilities such as:
    - The solar field (consisting of two solar power plants identified as Unit 1 and Unit 2)
    - Two on-site substations (the MSEP Unit 1 and Unit 2 Substations);
    - Shared (Unit 1 and Unit 2) operations and maintenance (O&M) facility; and
    - Other site improvements such as a temporary laydown area, perimeter and access roads, fencing and site security, drainage improvements, water treatment and lighting.
- An approximately 15.5-mile long (including approximately 2 miles within the solar plant site boundary), double-circuit, overhead 230 kilovolt (kV) generation-tie (gen-tie) line;
- 230 kV switchyard located near the Colorado River Substation (CRS) to connect the MSEP with the 230 kV CRS proposed by SCE;
- Two telecommunications lines (primary and redundant); and
- An SCE-owned and operated distribution line.

Construction activities would include site preparation; construction of the solar array, O&M building and MSEP Substations; construction of the gen-tie line and telecommunications lines; construction of the switchyard; and distribution line installation. The construction of Unit 1 of the MSEP would include the access road, water treatment system, initial gen-tie (consisting of the support towers and first circuit), parking area, and the first 125 arrays of 2 MW blocks.

Unit 1 and associated linear facilities (e.g., gen-tie and access roads) would be constructed first, followed by the construction of Unit 2. Construction of Unit 1 and associated linear facilities is expected to take approximately 24 months and construction of Unit 2 is expected to take approximately 22 months. While it's possible that there may be some delay between the time Unit 1 is fully operational and the time construction is commenced on Unit 2, for the purposes of this evaluation, it is assumed that construction of Unit 2 would commence upon Unit 1 becoming fully operational, hence a total construction period for Units 1 and 2 of 46 months.

The proposed Project would operate year-round, generating electricity during daylight hours when electricity demand is at its peak. The Project would provide for the annual electricity needs of approximately 264,000 residences.

3.0 Air Quality

The following section is an analysis of criteria pollutant air quality impacts associated with construction and operation of the proposed Project. Descriptions of Applicant-proposed mitigation measures that would reduce construction- and operation-generated air quality emissions are included in this section. The estimation methodology and assumptions used to analyze potential air quality impacts were discussed and approved by the BLM and Riverside County, as well as the third-party Environmental Impact Statement/Environmental Impact Report consultant, based on a conference call on October 17, 2011.

3.1 Project Construction

3.1.1 Construction Emissions Estimation Methodology and Assumptions.

Construction of the Project would generate criteria pollutant emissions similar to those associated with any large industrial construction project. On-site emissions would arise primarily from vehicles and equipment. On-site fugitive dust emissions would also be generated during site preparation, earthwork and construction. Off-site emissions would occur from construction worker vehicles driving to and from the work site, as well as material delivery and waste removal trucks. The construction-related emissions are transient in nature.

Construction emissions were estimated using the project-specific information provided by the Applicant's engineering contractor (WorleyParsons). The data provided by WorleyParsons includes the overall construction schedule of 46 months assumed to occur from March 2013 through December 2016, divided into different phases of construction for each unit and the duration of each phase. The proposed Project would be constructed in six broad phases: 1) Phase 1 - Mobilization; 2) Phase 2 - Civil Improvements; 3) Phase 3 - Photovoltaic Panel Construction; 4) Phase 4 – Office/Structure Building Construction; 5) Phase 5 - Transmission Line Construction; and 6) Phase 6 - System Testing and Commissioning. For each of these phases of each unit, WorleyParsons also provided the following information:

- A list of the different types of construction equipment and vehicles to be used;
- The number of pieces of each type of equipment and number of vehicles;
- Daily usage rates in terms of hours per day per piece of equipment and miles per day per vehicle; and
- The power rating of each type of equipment used.

The data provided by WorleyParsons related to project construction are summarized in **Attachments 1-A, 1-B and 1-C**.

3.1.1.1 Methodology for Criteria Pollutant Emissions from Construction Equipment

The combustion of fuel to provide power for the operation of various equipment used for the construction activities results in the generation of criteria pollutant emissions - carbon monoxide (CO), volatile organic compounds (VOC), nitrogen oxides (NOx), sulfur oxides (SOx), respirable particulate matter (PM10) and fine particulate matter (PM2.5).

Criteria pollutant emissions from off-road construction equipment use were estimated using the Urban Emissions (URBEMIS) 2007 Version 9.2.4 computer model, in accordance with the Mojave Desert Air Quality Management District (MDAQMD) guidelines (personal communication with Chris Anderson, Air Quality Engineer, MDAQMD, November 7, 2011). URBEMIS is designed to model construction emissions for land use development projects and allows for the input of project-specific information. Emissions from equipment used during each of the six construction phases were modeled separately in the Construction module of URBEMIS. The Construction module can estimate emissions from seven construction stages: demolition, mass site grading, fine site grading, trenching, building construction, architectural coating, and paving. Exhaust emissions from the equipment were modeled using the module's building construction stage. Fugitive VOC emissions from asphalt paving were modeled using the module's paving stage. For each phase of construction, the model defaults for the type of equipment used, number of pieces of equipment, power rating and daily usage rate were replaced by project- specific information provided by WorleyParsons. The default load factors for off-road equipment were modified to reflect the revised load factors proposed by the California Air Resources Board (ARB) in *The Amendments to the Regulations for In-Use Off-Road Diesel-Fueled Fleets and Off-Road Large Spark Ignition Engine Fleet Requirements* (2010). URBEMIS derives the emission factors and load factors for in-use off-road equipment from ARB's OFFROAD2007 model. Recent studies have indicated that the OFFROAD2007 model over-predicts these load factors by about 33 percent. Therefore, the default load factors in URBEMIS were replaced with the revised load factors proposed by ARB in these amendments.

As the duration of each phase and year of activity are different for both units, emissions for each unit were calculated with the emissions model separately. Details of the calculations and model input and output are provided in **Attachment 1-A Construction Equipment Emissions**.

A summary of all criteria pollutant emissions during construction is provided in **Attachment 1-D Summary of Criteria Pollutant Emissions**.

3.1.1.2 Methodology for Fugitive Dust Emissions from Construction Activities

Earthmoving activities such as excavation, filling, grading, and vehicle travel during construction of the proposed Project would generate fugitive dust emissions, including PM10 and PM2.5 emissions. Wind entrainment of fugitive dust can occur when stockpiled soils or recently disturbed soils are not adequately treated or covered.

A particular issue related to the generation of fugitive dust from disturbance of the soils in this area of the Colorado Desert (part of the larger Sonoran Desert) stems from the typical formation of "desert pavement", which will add to the wind blown fugitive dust if the pavement is disturbed. Desert pavement is a common feature on the MSEP plant site, increasing in both area and particle size on the upper bajada of the southwestern portion of the solar plant site. Closer to the mountains, cobbly, well-developed desert pavement, which contains very little vegetation, dominates the landscape. Desert pavements are areas with rock fragments of pebble to cobble size that cover an underlying layer of sand, silt, or clay. Desert pavement areas typically have little or no vegetation cover. When undisturbed, the extent to which desert pavement reduces wind erosion and resulting fugitive dust depends on the density of the rock fragments covering the underlying soil. Desert pavements seem to form from two different processes (McAuliffe 2000). On rocky alluvial fans, fine dust settling out of the air accumulates between and below the surface layer of rocks, eventually forming a relatively thin silt and clay layer that separates the surface rocks from the main part of the alluvial fan. Desert pavement also can form on sandy soils that contain significant amounts of gravel and rock fragments. In such situations, wind and water erosion can remove most of the sand and fine sediments from the

surface, leaving the remaining rock fragments as the predominant surface layer. Desert pavement is covered with closely packed, interlocking angular or rounded rock fragments of pebble and cobble size. The rock fragments are covered with a dark varnish typically due to manganese oxides. Several theories have been proposed for their formation. The more common theory is that they are formed by the gradual removal of the sand, dust, and other fine-grained material by the wind and intermittent rain, leaving only the larger fragments behind. However, this does not continue indefinitely because, once the pavement has been formed, it can act as a barrier to further erosion (Wood et al. 2002).

Maximum daily fugitive particulate matter emissions during construction were modeled separately using the mass site grading stage in the Construction module of URBEMIS. To estimate fugitive dust emissions, URBEMIS uses the methodology developed for the South Coast Air Quality Management District (SCAQMD) by Midwest Research Institute. That four-tiered methodology allows for more refined estimates based on the level of detail known for the construction project. The first tier (default level of detail) was selected for this Project. The default worst-case emission factor for fugitive dust provided by URBEMIS for this tier is 38.2 pounds per acre-day per acre disturbed. For the proposed Project, an average control efficiency rating of 68 percent was assumed for various dust mitigation measures and was applied to the worst-case fugitive emission factor, resulting in an emission factor of 12.2 pounds per day per acre disturbed. The 68 percent control efficiency rating is consistent with the control efficiency ratings provided in the SCAQMD California Environmental Quality Act (CEQA) Handbook for various dust control measures, including, the application of water and/or dust suppressants on unpaved roads, and exposed and stockpiled soils, use of enclosures and minimum freeboard on haul trucks, and limiting vehicle speeds on unpaved roadways. In URBEMIS, this emission factor is multiplied by the maximum daily acreage disturbed to estimate the maximum daily fugitive dust emissions. The site area (acres) disturbed daily during each month of different phases of construction was provided by WorleyParsons. These data are summarized in **Attachment 1-B Construction Fugitive Dust**.

URBEMIS estimates the annual fugitive dust emissions during a calendar year by multiplying the maximum daily fugitive dust emissions by the number of working days in that year. However, this calculation results in an overestimate of annual fugitive dust emissions as the maximum daily fugitive dust emissions does not occur every day. Therefore, in order to provide a more accurate estimate of annual fugitive dust emissions, the annual fugitive dust emissions were calculated outside of URBEMIS using the estimated daily acreage to be disturbed during each month instead of the maximum daily acreage to be disturbed during the construction phase. Monthly fugitive dust emissions were calculated by multiplying the 12.2 pounds per day per acre disturbed emission factor by the daily acreage disturbed in each construction month and the number of working days per month. Annual fugitive dust emissions were estimated as a sum of monthly emission during the calendar year. Details of the calculations and model input and output are provided in **Attachment 1-B Construction Fugitive Dust**.

3.1.1.3 Methodology for Criteria Pollutant Emissions from Motor Vehicles

The combustion of fuel in motor vehicle engines results in the generation of CO, VOC, NOx, SOx, PM10, and PM2.5 emissions. Motor vehicle brake and tire wear results in the generation of PM10 and PM2.5 emissions. Emissions from motor vehicles used during construction were estimated outside of URBEMIS.

Emissions from motor vehicles were calculated by multiplying the vehicle-miles-traveled (VMT) by each type of vehicle used during the construction phase by emission factors in pounds (lb)/VMT. CO, VOC, NOx, SOx and PM10 emission factors were compiled by running the ARB's EMFAC2007

(version 2.3) Burden Model (ARB, 2007) for the MDAQMD jurisdiction during calendar year 2013. Daily emissions by vehicle class (light-duty truck, heavy, heavy-heavy duty diesel vehicle, etc.) from the Burden model were divided by the daily mileage traveled by vehicles within the class from the Burden model to calculate the emission factors. The emission factors account for the emissions from start, running and idling exhaust. In addition, the VOC emission factors take into account diurnal, hot soak, running and resting emissions, and the PM10 emission factors account for exhaust, brake wear and tire wear emissions separately.

PM2.5 emission factors were calculated by multiplying the PM10 emission factors by the mass fraction of PM2.5 emissions in motor vehicle exhaust, brake wear and tire wear PM10 emissions, provided in SCAQMD's "Final–Methodology to Calculate Particulate Matter (PM) 2.5 and PM2.5 Significance Thresholds" (2006).

The motor vehicle emission factors from the Burden model and the calculated PM2.5 emission factors are listed in **Table 1-A** of **Attachment 1-C Construction Vehicle Emissions**. The motor vehicle emission factors for the specific vehicles to be used during construction of the Project are listed in **Table 2** of **Attachment 1-C Construction Vehicle Emissions**.

Monthly VMT were estimated from data provided by WorleyParsons, which include the number of motor vehicles to be operated each day for each phase of construction, the daily round-trip distance travelled by each vehicle and an average of 22 working days per month. These data are provided in **Tables 3 through 8** of **1-C Construction Vehicle Emissions**. Monthly emissions were calculated by multiplying the monthly VMT by the vehicle emission factors. Emissions from both on-site and off-site vehicles were estimated. On-site vehicles include water trucks, service trucks, concrete trucks, etc. Off-site vehicles include mainly worker-commute cars, and equipment and material delivery trucks, including trucks delivering PV panels. Different types of equipment and material would be delivered to the site from different regions within California, Arizona and Nevada resulting in different round-trip distances. For the purposes of comparing criteria pollutant emissions to the MDAQMD thresholds, off-site vehicle emissions were estimated from the point of entry into the Mojave Desert Air Basin (MDAB).

Monthly vehicle emissions from different phases of construction are provided in **Attachment 1-C Construction Vehicle Emissions**, **Tables 3 through 8**. A summary of monthly vehicle emissions is provided in **Attachment 1-C Construction Vehicle Emissions**, **Table 9**. Construction of the Project was assumed to occur from March 2013 through December 2016, and emissions during each calendar year were estimated by summing the emissions during the months of construction during that year.

A summary of all criteria pollutants emissions is provided in **Attachment 1-D Summary of Criteria Pollutant**.

3.1.2 Construction Emissions Estimates and Impacts.

Table 1 shows the estimated annual criteria pollutant emissions within the MDAB generated each calendar year during the Project's 46 months of construction using the methodologies described above. These estimates only account for reduction from dust control measures such as application of water and/or dust suppressants, and no other reductions were assumed. Accordingly, the annual emissions reported in **Table 1** for VOC, NOx, CO, and SOx are unmitigated. As shown in **Table 1**, the annual emissions for all pollutants within the MDAB are well below their respective Mojave Desert Air Quality Management District (MDAQMD) CEQA thresholds (2009). Therefore, the impacts from the proposed Project's construction on an annualized basis will be less than significant.

Table 1 – Annual Construction Emissions

Construction Year	Annual Emissions (tons/year)					
	VOC	**NOx**	**CO**	**SOx**	**PM10[a]**	**PM2.5[a]**
Year 2013	1.49	9.88	10.10	0.01	11.08	2.65
Year 2014	1.70	9.06	15.00	0.02	4.35	1.26
Year 2015	1.71	8.78	15.51	0.02	11.24	2.67
Year 2016	1.92	8.39	20.33	0.03	4.14	1.19
MDAQMD CEQA Threshold	**25**	**25**	**100**	**25**	**15**	**15.0**
Significant Impact (Yes/No)	**No**	**No**	**No**	**No**	**No**	**No**

a. PM10 and PM2.5 emissions include mitigation from various dust control measures; other pollutant emissions do not account for reductions from mitigation measures

Table 2 shows the calculated maximum daily criteria pollutant emissions that would be generated within the MDAB during the Project's construction. No mitigation measures, except the dust control measures such as application of water and/or dust suppressants, were assumed. Accordingly, the maximum daily emissions reported in **Table 2** for VOC, NOx, CO, and SOx are unmitigated. As shown in **Table 2**, the maximum daily emissions for all pollutants, except PM10, are well below their respective MDAQMD CEQA thresholds (2009). Note that the PM10 and PM2.5 emissions shown in **Tables 1 and 2** include fugitive dust emissions.

Table 2 – Maximum Daily Construction Emissions

	Maximum Daily Emissions (lb/day)					
	VOC	**NOx**	**CO**	**SOx**	**PM10[a]**	**PM2.5[a]**
Maximum Daily Emissions (All Years)	22.3	131	217	0.29	119	29.3
MDAQMD CEQA Threshold (lb/day)	137	137	548	137	82	82
Significant Impact (Yes/No)	**No**	**No**	**No**	**No**	**Yes**	**No**

a. PM10 and PM2.5 emissions include mitigation from various dust control measures; other pollutant emissions do not account for reductions from mitigation measures

The PM10 emissions and their impacts can be reduced further by implementing various dust control measures proposed below by the Applicant. These dust control measures are discussed in the following section (Section 3.1.3).

The annual and maximum daily PM10 and PM2.5 emissions shown in **Tables 1 and 2** above include both combustion-generated emissions and fugitive dust. Annual PM10 and PM2.5 emissions and maximum daily PM2.5 emissions would not exceed the applicable MDAQMD CEQA thresholds. However, as shown in **Table 2**, the estimated 119 pounds per day of PM10 emissions would exceed the 82 lb/day threshold for maximum daily PM10 emissions. Fugitive dust sources contribute 112.4 pounds out of the 119 pounds of total maximum daily PM10 emissions. By implementing the additional dust control measures listed in the following section, such as frequent watering of disturbed areas during grading, increased use of soil stabilizers on roads both during and after construction, gravel ramps and street sweeping to reduce accumulation of dirt, etc. AECOM estimates that the overall dust control efficiency could be increased from 68 percent to approximately 80 percent[1]. The increased dust control efficiency will reduce the fugitive dust emissions from 112.4 pounds per day to 70.3 pounds per day, resulting in a total of 77 pounds per day of PM10 emissions. Therefore, by implementing the dust control measures listed below, the impacts due to PM10 emissions can be reduced to a less than significant level.

The desert pavement located on the project site is of the mature variety, and therefore, is not subject to a great deal of wind erosion. Because of the natural deterrent effect on wind erosion caused by desert pavement terrain, efforts to minimize the disruption of desert pavement will be taken during MSEP construction. For instance, vehicle and equipment use will be constrained to the active construction areas and roads.

3.1.3 Applicant Proposed Construction Mitigation Measures.

The Applicant proposes to implement the following mitigation measures to reduce construction-generated air quality impacts to a less than significant level. Similar mitigation measures were approved for the adjacent Blythe Solar Power Project, a solar thermal project. The construction of a PV project will typically cause fewer emissions than the construction of a solar thermal project, hence these measures are considered to be conservative.

1. The main access roads through the facility to the unit substation areas shall be either paved or stabilized using soil binders, or equivalent methods, to provide a stabilized surface that is similar for the purposes of dust control to paving, that may or may not include a crushed rock (gravel or similar material with fines removed) top layer, prior to initiating construction in the unit substation areas.
2. All unpaved construction roads and unpaved operation and maintenance site roads, as they are being constructed, shall be stabilized with a non-toxic soil stabilizer or soil weighting agent that can be determined to be both as efficient or more efficient for fugitive dust control as ARB-approved soil stabilizers, and shall not increase any other environmental impacts including loss of vegetation to areas beyond where the soil stabilizers are being applied for dust control. All other disturbed areas in the project and linear construction sites shall be watered as frequently as necessary during grading; and after active construction activities shall be stabilized with a nontoxic soil stabilizer or soil weighting agent, or alternative

[1] Based on *Table 11-4, Mitigation for PM10 Emissions – Construction* of the South Coast Air Quality Management District's CEQA Air Quality Handbook (1993). Although 80% is not shown in this table for a specific set of measures, it is assumed that multiple measures together could achieve this control efficiency. A similar approach has been accepted by the CEC and BLM for other projects, e.g., the nearby Blythe Solar Power Project, approved in 2010.

approved soil stabilizing methods. The frequency of watering can be reduced or eliminated during periods of precipitation.

3. No vehicle shall exceed 10 miles per hour on unpaved areas within the site, with the exception that vehicles may travel up to 25 miles per hour on stabilized unpaved roads as long as such speeds do not create visible dust emissions.
4. Visible speed limit signs shall be posted at the site entrance(s).
5. All construction equipment vehicle tires shall be inspected and washed as necessary to be cleaned free of dirt prior to entering paved roadways.
6. Gravel ramps of at least 20 feet in length must be provided at the tire washing/cleaning station.
7. All unpaved exits from the construction site shall be graveled or treated to prevent track-out to public roadways.
8. All construction vehicles shall enter the construction site through the treated entrance roadways.
9. All paved roads within the construction site shall be swept daily or as needed (less during periods of precipitation) on days when construction activity occurs to prevent the accumulation of dirt and debris.
10. At least the first 500 feet of any paved public roadway exiting the construction site or exiting other unpaved roads enroute from the construction site or construction staging areas shall be swept as needed (less during periods of precipitation) on days when construction activity occurs or on any other day when dirt or runoff resulting from the construction site activities is visible on the public paved roadways.
11. All soil storage piles and disturbed areas that remain inactive for longer than 10 days shall be covered, or shall be treated with appropriate dust suppressant compounds.
12. All vehicles that are used to transport solid bulk material on public roadways and that have potential to cause visible emissions shall be provided with a cover, or the materials shall be sufficiently wetted and loaded onto the trucks in a manner to provide at least one foot of freeboard.
13. Wind erosion control techniques (such as windbreaks, water, chemical dust suppressants, and/or vegetation) shall be used on all construction areas that may be disturbed. Any windbreaks installed to comply with this measure shall remain in place until the soil is stabilized or permanently covered with vegetation.
14. The disruption of desert pavement shall be minimized to the extent feasible.

3.2 Project Operation

3.2.1 Operation Emissions Estimation Methodology and Assumptions.

Operation-related criteria pollutant emissions, including fugitive dust, would be generated from on-site equipment and on-site and off-site vehicle use.

3.2.1.1 Methodology for Emissions from On-site Equipment

Off-road equipment on the Project site during operation will consist of two 35-horsepower diesel-powered emergency generators. The operation of the generators would result in the generation of VOC, NOx, CO, SOx, PM10 and PM2.5 emissions. According to the California Airborne Toxic Control

Measure (ATCM) for Stationary Compression Ignition (CI) § 93115.9, these generators were assumed to be 2008-2012 model year engines and will comply with the interim Tier 4 off-road compression ignition engines exhaust emissions standards per California Code of Regulations Title 13, Division 3, Chapter 9, Article 4, Section 2423. The emission factors used for calculating emissions were assumed to be equal to these exhaust standards. Emissions from these diesel generators were estimated for a maximum of 1 hour per day and 50 hours per year of regular testing and maintenance operation. As the duration of emergency use cannot be predicted, emissions during possible emergency use were not included. Details of the calculations and model input and output are provided in **Attachment 2-A Operation Equipment**.

3.2.1.2 Methodology for Motor Vehicle Emissions during Operation

Emissions from both on-site and off-site motor vehicles used during operation were modeled using the Operation module in URBEMIS. On-site vehicles used during operation include vehicles used for panel washing and other maintenance. Off-site vehicles include employee traffic and delivery trucks. The combustion of fuel in off-site and on-site vehicles would generate VOC, NOx, CO, SOx, PM10 and PM2.5 emissions. Motor vehicle brake and tire wear and travel on paved roads with entrained road dust results in PM10 and PM2.5 emissions.

Vehicles traveling on the project site for periodic panel washing and other maintenance activities could increase the entrainment of dust over current conditions. Note, however, that although new fugitive dust emissions are predicted from the operation of the proposed Project according to calculations and assumptions provided herein, the proposed Project may reduce overall fugitive dust emissions in the region. By its nature, a solar energy project must keep dust to a minimum through the use of dust control measures, as a film of dust on the panels will reduce their efficiency for energy production. Dust control is achieved by a combination of soil stabilizers, water from the panel washing, and compaction of the driving surface over time. Therefore, the emissions estimates and impact analyses for PM10 and PM2.5 should be considered very conservative.

Emissions were modeled for the year 2017, the first year when the Project would become fully operational. As the proposed land use is not one of the default land uses in URBEMIS, a user-defined land use was created, along with daily trip rate, trip length and vehicle characteristics based on the information provided by WorleyParsons. Details of the calculations and model input and output are provided in **Attachment 2-B Operation Vehicles**.

3.2.1.3 Methodology for Fugitive Dust Emissions during Operation

Section 3.1 included a discussion of disturbance of desert pavement as a potential source of fugitive dust during construction. If the desert pavement is disturbed (e.g., by vehicles traversing it), the loosened particles could become airborne during windy conditions. Therefore, the proposed measure to avoid disturbance of the desert pavement during construction would also be implemented during operation to maintain the desert pavement and minimize fugitive dust emissions due to wind erosion during operation. As noted above, by its nature, a solar project needs to minimize fugitive dust emissions that could decrease the efficiency of the panels during operation.

A summary of criteria pollutant emissions during operation is provided in **Attachment 2-C Summary of Operation Criteria Pollutant Emissions**.

3.2.2 Operation Emissions Estimates and Impacts.

Tables 3 and 4 show the annual and maximum daily criteria pollutant emissions generated each year during the Project's operation, respectively. These emission estimates do not account for reductions from mitigation measures. The annual and maximum daily emissions of all pollutants are below their respective MDAQMD CEQA thresholds. Therefore, the impacts from the proposed Project's operation would be less than significant. As previously discussed, the fugitive dust emissions predicted in this analysis of operational impacts should be considered a conservative estimate. This is because the use of soil stabilizers, panel washing, and compaction of the driving surface over time may result in a net reduction of fugitive dust in the project area.

Table 3 – Annual Operation Emissions

Source	Maximum Annual Emissions (tons/year)									
	VOC	**NOx**	**CO**	**SOx**	**PM10 Exhaust**	**PM10 Dust**	**Total PM10**	**PM2.5 Exhaust**	**PM2.5 Dust**	**PM2.5**
On Site Equipment	0.001	0.021	0.016	0.000	0.001	0.000	0.001	0.001	0.000	0.001
On Site Vehicles	0.000	0.030	0.020	0.000	0.000	7.730	7.730	0.000	0.770	0.770
Off Site Vehicles	0.020	0.070	0.430	0.000	0.010	0.190	0.200	0.010	0.030	0.040
Total Emissions	**0.02**	**0.12**	**0.47**	**0.00**	**0.01**	**7.92**	**7.93**	**0.01**	**0.80**	**0.81**
MDAQMD CEQA Threshold	**25**	**25**	**100**	**25**	**---**	**---**	**15**	**---**	**---**	**15**
Significant Impact (Yes/No)	**No**	**No**	**No**	**No**	**---**	**---**	**No**	**---**	**---**	**No**

Table 4 – Maximum Daily Operation Emissions

Source	Maximum Daily Emissions (pounds/day)									
	VOC	**NOx**	**CO**	**SO2**	**PM10 Exhaust**	**PM10 Dust**	**Total PM10**	**PM2.5 Exhaust**	**PM2.5 Dust**	**PM2.5**
On-Site Equipment	0.04	0.82	0.63	0.00	0.03	0.00	0.03	0.03	0.00	0.03
On-Site Vehicles	0.01	0.16	0.13	0.00	0.01	42.32	42.33	0.01	4.23	4.24
Off-Site Vehicles	0.14	0.50	2.46	0.01	0.05	1.02	1.07	0.03	0.17	0.20
Total Emissions	**0.19**	**1.48**	**3.22**	**0.01**	**0.09**	**43.34**	**43.43**	**0.07**	**4.40**	**4.47**
MDAQMD CEQA Threshold	**137**	**137**	**548**	**137**	**---**	**---**	**82**	**---**	**---**	**82**
Significant Impact (Yes/No)	**No**	**No**	**No**	**No**	**---**	**---**	**No**	**---**	**---**	**No**

As discussed above in Section 3.1.2, because of the natural deterrent effect on wind erosion caused by desert pavement terrain, efforts to minimize the disruption of desert pavement will be taken during

MSEP construction. Disturbance of desert pavement during operation of the proposed Project is not anticipated as vehicle and equipment use will be constrained to previously disturbed areas and roads. Therefore, no adverse effects related to the disruption of desert pavement during operation of the MSEP would occur. As required by Mitigation Measure 2 below, all areas in the project and linear sites that were disturbed during construction will be stabilized with a nontoxic soil stabilizer or soil weighting agent, or alternative approved soil stabilizing methods. Such stabilizing methods will be applied to desert pavement and will be implemented throughout the life of the project as necessary.

3.2.3 Applicant Proposed Operation Mitigation Measures.

Although Tables 3 and 4 show that criteria pollutant emissions during operation of the MSEP will be less than significant, the Applicant proposes to implement the following mitigation measures which will further reduce the emissions. Similar mitigation measures were approved for the adjacent Blythe Solar Power Project, a solar thermal project. Operation of a PV project will typically cause fewer emissions than the operation of a solar thermal project, hence these measures are considered to be conservative.

1. The main access roads through the facility to the unit substation areas shall be either paved or stabilized using soil binders, or equivalent methods, to provide a stabilized surface that is similar for the purposes of dust control to paving, that may or may not include a crushed rock (gravel or similar material with fines removed) top layer, and delivery areas for operations materials (chemicals, replacement parts, etc.) shall be paved or treated prior to taking initial deliveries.
2. All unpaved operation and maintenance site roads shall be stabilized with a non-toxic soil stabilizer or soil weighting agent that can be determined to be both as efficient or more efficient for fugitive dust control as ARB approved soil stabilizers, and shall not increase any other environmental impacts including loss of vegetation to areas beyond where the soil stabilizers are being applied for dust control. After construction activities, all disturbed areas in the project and linear sites shall be stabilized with a nontoxic soil stabilizer or soil weighting agent, or alternative approved soil stabilizing methods.
3. No vehicle shall exceed 10 miles per hour on unpaved areas within the site, with the exception that vehicles may travel up to 25 miles per hour on stabilized unpaved roads as long as such speeds do not create visible dust emissions.
4. Visible speed limit signs shall be posted at the site entrance(s).
5. All vehicles that are used to transport solid bulk material on public roadways and that have potential to cause visible emissions shall be provided with a cover, or the materials shall be sufficiently wetted and loaded onto the trucks in a manner to provide at least one foot of freeboard.
6. The disruption of desert pavement shall be minimized to the extent feasible.

3.3 General Conformity Analysis

Federal actions are subject to conformity determinations as per the requirements set forth in Mojave Desert Air Quality Management District (MDAQMD) Rule 2002. The rule lists the de-minimis limits for applicability for projects located in nonattainment and maintenance areas. The proposed Project would be located in the portion of the Mojave Desert Air Basin (MDAB) in Riverside County. The Riverside County portion of the MDAB is designated as attainment/unclassified for federal air quality standards for all criteria pollutants. Since the area is neither nonattainment nor maintenance for any criteria pollutant, the provisions of this rule and thus, the requirements for a General Conformity determination are not applicable.

Although General Conformity requirements do not apply in this area, the de minimis levels can be used as mass emissions indicators for adverse annual emissions.

The conformity thresholds for maintenance areas (locations that currently meet federal air quality standards but which violated the standards in prior years), are generally 100 tons per year (tpy) per pollutant. As can be seen in **Table 1** (construction) and **Table 3** (operation), annual MSEP emissions will be well below the 100 tpy threshold; with at most 20 tons per year of CO during construction and 8 tons per year of PM10 during operation.

3.4 Impacts to Sensitive Receptors

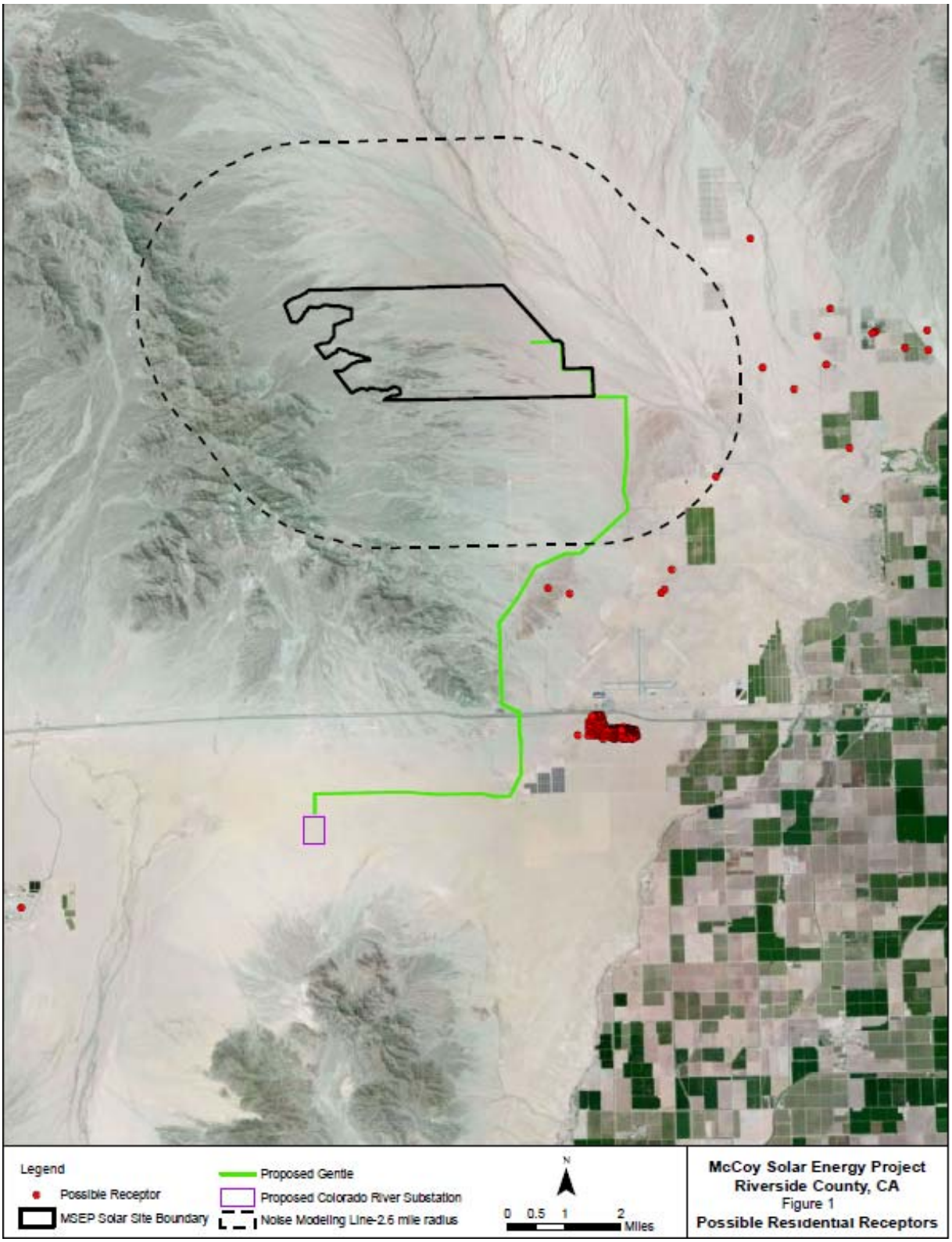
One of the criteria identified by the CEQA Guidelines (Appendix G) to determine whether implementation of the Project would result in significant air quality impacts is the exposure of nearby sensitive receptors to substantial pollutant concentrations. As stated in Appendix G of the CEQA Guidelines, the significance thresholds established by the applicable air district may be relied upon to make this determination. Sensitive receptors are defined as land uses where sensitive population groups are likely to be located (e.g., children, the elderly, the acutely ill, and the chronically ill). These land uses include residences, schools, childcare centers, retirement homes, convalescent homes, medical care facilities, and recreational facilities. The MDAQMD CEQA guidelines specify that industrial projects within 1,000 feet of existing or planned sensitive receptor land uses must be evaluated for this criterion. As shown in Figure 1, there are no sensitive receptors in proximity to the Project site (within 1,000 feet). In fact, the nearest residence is over two and half miles from the MSEP site boundary. Therefore, the air quality impacts of the Project with respect to sensitive receptors would be less than significant.

3.5 Cumulative Impacts

Cumulative impacts result from the proposed Project's incremental effect, together with other closely related past, present and reasonably foreseeable future projects whose impacts may compound or increase the incremental effect of the proposed project. (Public Resource Code § 21083; California Code of Regulations, Title 14, §§ 15064(h), 15130, 15355.)

It is expected that the BLM will compile a list of all the projects to be included in the cumulative impacts assessment. In addition to the receptors in proximity of the Project site, receptors farther than 1,000 feet of the Project site could be subject to cumulative impacts from nearby projects occurring concurrently with the Project. As shown in Figure 1, the closest sensitive receptor is 2.6 miles from the Project boundary and there are several sensitive receptors beyond 2.6 miles and within 6 miles of the Project boundary. As discussed above, operation of the Project would not generate pollutant emissions that exceed applicable thresholds. The potential for a cumulative air quality impact to occur depends on the location and nature of proposed and pending projects in the area. Given that the Project's operation impacts would be less than significant, it is expected that the Project's contribution to a cumulative impact, if identified based on the list of proposed and pending projects, would not be significant. As previously discussed, emissions generated during construction of the Project would be less than significant with the incorporation of mitigation measures proposed by the Applicant. As with cumulative operation impacts, cumulative impacts related to construction also depend on the location and nature of proposed and pending projects in the area. Given that the Project's mitigated construction emissions would be below thresholds and would only occur during temporary construction activities, it is anticipated that the Project's contribution to a cumulative construction impact, if identified, would not be significant.

Figure 1 – Receptors Within 6 Miles of MSEP



4.0 Health Risk Due To Diesel Particulate Matter

In 1990, the State of California administratively listed under Proposition 65 the particulates formed in the exhaust of diesel-powered equipment and vehicles as a chemical known to the State to cause cancer. **Table 5** shows the annual emissions of Diesel Particulate Matter (DPM) during construction of the MSEP. DPM emissions were calculated as PM10 emissions from diesel-powered equipment and vehicles using the methodology discussed in Section 3 above for PM10 emissions.

Table 5 – DPM Emissions During Construction of MSEP Units 1 and 2

Year of Construction	DPM Emissions (tons/year)
2013	0.54
2014	0.58
2015	0.54
2016	0.58
Maximum Annual Value	**0.58**

MDAQMD CEQA requirements for health risk assessments categorize project sites by land use type and define the distance from the project site within which sensitive receptors must be considered for increased health risk. The worst case potential impact radius is associated with “Any industrial project”, requiring that sensitive receptors within 1,000 feet of the project be considered. Though solar projects are not specifically identified in the categories, this worst case radius was assumed as the criterion for determining potential risks from exposure to DPM during construction. Using the associated definition of sensitive receptors, which include residences, schools, daycare centers, playgrounds and medical facilities, it was determined that the closest sensitive receptor is located over 2.5 miles (13,200 feet) from the project site.

MDAQMD does not present any additional screening tools beyond the above impact radii for the determination of potential health risks. Although the closest sensitive receptor is more than 13 times farther away from the project site than the MDAQMD defined radius for potential health risk, a second screening analysis was performed using the construction screening tables develop by the Bay Area Air Quality Management District and provided in Table 2 of their toxics screening document: (http://www.baaqmd.gov/~/media/Files/Planning%20and%20Research/CEQA/CEQA_Construction_Screening_Approach.ashx?la=en). This methodology was chosen as it was seen as the most applicable screening approach available to this situation.

The maximum area where heavy construction activities will occur at a single time, conservatively assuming simultaneous construction of Units 1 and 2, would be 56 acres (23.2 acres for Unit 1, 32.8 acres for Unit 2). Using the Industrial Project type on the table, which is the most conservative, and rounding up to the next highest area for the construction, which is 137.7 acres, the minimum offset distance from the project fence line to ensure that a sensitive receptor would have a less-than-

significant impact from DPM emissions is 500 meters (1,640 feet) for cancer risk and 35 meters (115 feet) for chronic non-cancer risk. Again, the nearest sensitive receptor is far beyond the distance at which impacts from DPM might be expected to cause an increased health risk.

In both screening analyses, the nearest sensitive receptor is many times farther away from the project site than the defined radius at which a potential increase in health risk might occur. Therefore, emissions of DPM from MSEP construction are not expected to cause significant health risks at any sensitive receptor in the vicinity of the project.

5.0 Greenhouse Gases

This section provides an analysis of greenhouse gas (GHG) impacts associated with construction and operation of the proposed Project.

GHGs of concern include the following compounds:

- Carbon dioxide (CO_2)
- Nitrous oxide (N_2O)
- Methane (CH_4)
- Hydrofluorocarbons (HFCs)
- Perfluorocarbons (PFCs)
- Sulfur hexafluoride (SF_6).

Only the first three of these six GHGs are combustion source related and will be emitted by the equipment and vehicles used for the Project. A small amount of SF_6 may be emitted from the equipment associated with the transmission lines during Project operation. The project is not expected to have any emissions of HFCs or PFCs. The primary GHG of concern for this project is CO_2, as the emission rates of CH_4, N_2O, and SF_6 are orders of magnitude less than CO_2.

5.1 Project Construction

GHG emissions will be generated by the equipment used for construction activities and from both on-site and off-site motor vehicles.

5.1.1 Construction GHG Emissions Estimation Methodology and Assumptions

This section presents the methodology and assumptions used to estimate GHG emissions from construction of the Project.

5.1.1.1 Methodology for GHG Emissions from Construction Equipment

The combustion of fuel to provide power for the operation of various equipment results in the generation of GHGs.

The CO_2 emissions from off-road equipment use were estimated using the same methodology described above for criteria pollutants from construction equipment. The methodology employs the URBEMIS model, which calculates only CO_2 emissions. Emissions of N_2O and CH_4 were calculated outside of URBEMIS using the CO_2 emissions calculated by URBEMIS and CO_2, N_2O and CH_4 emission factors obtained from The Climate Registry Default Emission Factors (2011) for diesel fuel combustion. Emission factors for CO_2 are in units of kilograms per gallon and emission factors for N_2O and CH_4 are provided in terms of grams per mile. These factors were converted to grams per gallon units by assuming a fuel efficiency of 20 miles per gallon for cars and light trucks and 8.0 miles per gallon for medium and heavy trucks. Emissions of N_2O and CH_4 were then calculated as a product of CO_2 emissions and the ratio of the N_2O or CH_4 emission factors to the CO_2 emission factor.

N_2O and CH_4 emissions were multiplied by their respective global warming potentials and added to the CO_2 emissions to obtain CO_2-equivalent (CO_2e) emissions. Details of the calculations, including a summary of GHG emissions, are provided in **Attachment 1-E Summary of Construction GHG Emissions**.

5.1.1.2 Methodology for Motor Vehicle GHG Emissions

The combustion of fuel in motor vehicle engines would also generate GHG emissions. During construction, GHG emissions would be generated by motor vehicles within the Mojave Desert Air Basin (i.e., construction worker trips to and from the project site and deliveries of construction materials from points within the MDAB). It is currently undecided where the PV panels will be obtained for the McCoy project, e.g., they could come from Arizona or be imported through the Port of Long Beach. In order to provide a conservative estimate of GHG emissions anywhere within California, GHG emissions outside of the MDAB were estimated based on an assumed round trip for delivery of PV panels from the Port of Long Beach. The GHG emissions due to these PV panel delivery trips were broken down into the round trip miles outside the MDAB from Long Beach to the air basin boundary, and within the MDAB related to round trips from the boundary to the Project site. Vehicle miles traveled per vehicle type for each phase of construction were provided by WorleyParsons and are included in **Tables 5 through 10 of Attachment 1-E Summary of Construction GHG Emissions.**

GHG emissions from motor vehicles used during construction were estimated outside of URBEMIS using the same methodology described above for criteria pollutants from construction vehicles. Since the EMFAC2007 model provides emission factors for only CO_2 emissions, emission factors for N_2O and CH_4 for different vehicle types were obtained from the ARB's Regulation for The Mandatory Reporting of Greenhouse Gas Emissions, Appendix A, Table 8. GHG emission factors were calculated as CO_2e in kilograms per mile by multiplying the N_2O and CH_4 emission factors by their respective global warming potential and adding them to the CO_2 emission factors. CO_2e emission factors are provided in **Attachment 1-C Construction Vehicle Emissions**, **Tables 1-A and 2**. Monthly GHG emissions from vehicles used during different phases of construction are provided in **Attachment 1-C Construction Vehicle Emissions**, **Tables 3 through 8**. A summary of monthly GHG emissions from vehicles is provided in **Table 2** of **Attachment 1-E Summary of Construction GHG Emissions.**

A summary of all construction GHG emissions is provided in **Attachment 1-E Summary of Construction GHG Emissions**.

5.1.2 Construction GHG Emissions Estimates and Impacts

Table 6 shows GHG emissions generated by Project construction activities. As noted above, the GHG emissions are broken down between those which will be generated within the MDAB and GHG emissions from Project construction activities (e.g., delivery of PV panels) outside of the MDAB. As shown in **Table 6**, the Project's construction would generate an estimated 10,209 CO_2e tonnes[2] within the MDAB and another 2,463 tonnes outside of the MDAB, for a total of 12,672 CO_2e tonnes within California.

[2] A tonne is a metric ton (MT) which equals 1,000 kilograms or 1.102 short tons.

Table 6 – Project Construction GHG Emissions

	GHG Emissions within the MDAB	GHG Emissions outside the MDAB	Total GHG Emissions within California
Total 2013 CO2e Emissions (Tonnes)	1,945	362	2,307
Total 2014 CO2e Emissions (Tonnes)	2,500	627	3,127
Total 2015 CO2e Emissions (Tonnes)	2,567	549	3,116
Total 2016 CO2e Emissions (Tonnes)	3,197	925	4,122
Total CO2e Emissions (Tonnes)	**10,209**	**2,463**	**12,672**

Notes:

a. Emission Factors obtained from 2011 The Climate Registry Default Emission Factors–Released January 14, 2011. http://www.theclimateregistry.org/downloads/2009/05/2011-Emission-Factors.pdf

b. All vehicles were assumed to be gasoline vehicles. Emission factors for CH_4 and N_2O are the maximum factors of various vehicle types and control technologies

There are no adopted, enforceable federal or state regulations applicable to MSEP construction GHG emissions, nor is there a quantitative threshold over which construction GHG emissions are considered "significant" under CEQA. Nevertheless, there is guidance from regulatory agencies on how the significance of such emissions should be assessed. For example, the most recent guidance from ARB staff recommends a "best practices" threshold for construction emissions (2008). Best practices include the implementation of all feasible methods to control construction-related GHG emissions. As the "best practices" approach is currently recommended by the state agency primarily responsible not only for air quality standards but also for GHG regulation, it has been used here to assess the GHG emissions from MSEP construction.

Best practices to reduce GHG emissions include:

- operational measures, such as limiting equipment and vehicle idling time and shutting down equipment when not in use;
- regular preventive maintenance to prevent emission increases due to engine problems; and
- use of newer, more fuel efficient or low-emitting diesel engines meeting federal/state emissions standards for construction equipment, whenever available.

The measures described above would directly and indirectly minimize the emissions of GHGs during the Project's construction and they are in accordance with current best practices. Because these measures will be implemented for MSEP, the GHG impacts from construction activities would not be significant.

5.2 Project Operation

Direct operation-related GHG emissions would be generated by equipment and vehicle use. GHGs would also be released as fugitive sulfur hexafluoride (SF_6) emissions from electrical components such as circuit breakers that use SF_6 to provide electrical insulation. Indirect GHG emissions would be generated due to electricity use.

5.2.1 Operation GHG Emissions Estimation Methodology and Assumptions

This section presents the methodology and assumptions used to estimate GHG emissions from operation of the Project.

5.2.1.1 Methodology for GHG Emissions from On-Site Equipment

GHG emissions would be generated during the testing and maintenance of two on-site 35-horsepower diesel-powered emergency generators. GHG emissions from the diesel generators were calculated using the estimated annual fuel usage and emission factors obtained from The Climate Registry Default Emission Factors (2011) for diesel fuel combustion. Annual fuel usage is based on 50 hours per year of operation, power rating of diesel engine, and the Brake Specific Fuel Consumption, heating value and density of diesel.

Details of the fuel usage calculations are provided in **Attachment 2-A Operation Equipment**.

A summary of GHG emissions is provided in **Attachment 2-D Summary of Operation GHG Emissions**.

5.2.1.2 Methodology for GHG Emissions from Motor Vehicles

The CO_2 emissions from motor vehicles used during operation were estimated using the same methodology described above for GHG emissions from construction phase motor vehicles. Details of the calculation are provided in **Attachment 2-C Operation GHG**.

5.2.1.3 Methodology for GHG Emissions from Other GHG Sources

Other sources of GHG emissions during the Project's operation would include indirect emissions from electricity use and fugitive SF_6 emissions.

Electric power would be drawn from the grid for day-to-day operation of the facility including the on-site operations and maintenance building and other areas. GHG emissions from electricity use were estimated by multiplying the expected annual electricity consumption provided by WorleyParsons by the CO_2, N_2O and CH_4 emission factors obtained from The Climate Registry Default Emission Factors (2011). N_2O and CH_4 emissions were multiplied by their respective global warming potential and added to the CO_2 emissions to obtain CO_2e emissions. Details of the calculation are provided in **Attachment 2-D Operation GHG**.

Emissions of SF_6 could occur due to equipment failure or leakage from electrical equipment such as circuit breakers that contains SF_6. The calculations for SF_6 emissions were based on the conservative assumptions that there will be two 230 kV circuit breakers and two 34.5 kV circuit breakers installed for each of the two power units. The 230 kV breakers were assumed to contain 270 lbs of SF_6, while the 34.5 kV breakers were assumed to contain approximately 100 lbs of SF_6. Each of the circuit breakers will be hermetically sealed to prevent the escape of SF_6 into the atmosphere. It should be noted that emissions of SF_6 from a hermetically sealed circuit breaker can only occur due to equipment failure as there is no ability for the user to refill or extract SF_6 due to the factory seal. The CARB Regulation for Reducing Sulfur Hexafluoride Emissions from Gas Insulated Switchgear (Subchapter 10, Article 4, Subarticle 3.1 §95351 (a)(9)) defines hermetically sealed circuit breakers as "designed to be gas-tight and sealed for life". Nonetheless, an assumed leak rate of 0.5% was used for estimates to provide a conservative upper bound estimate of SF_6 release. It was also assumed that SF_6 is weighted at a Global Warming Potential (GWP) of 23,900 based on a 100-year time horizon,

which is consistent with state, federal, and international standards. Details of the calculation are provided in **Attachment 2-D Operation GHG**.

5.2.2 Operation GHG Emissions Estimates and Impacts

As shown in **Table 7**, operation of the proposed Project would generate an estimated total of 216 CO_2e tonnes of GHGs annually.

Table 7 – Annual GHG Emissions from Project Operations

Annual GHG Emissions from Project Operations (Tonnes/year)	
Fossil Fuel Combustion	112
Indirect Electricity Use	24
Fugitive Sulfur Hexafluoride Emission	80
Total Annual Operation GHG	**216**

MSEP is exempt from the SB 1368 Emission Performance Standard (EPS) requirement of 0.500 tonnes of CO_2e per megawatt-hour [MT CO_2e/MWh] (this is the equivalent of 1,100 pounds CO_2/MWh). Regardless, MSEP has an estimated GHG emission rate of 0.0001 tonnes CO_2e/MWh, well below the GHG EPS.

5.3 Total GHG Emissions

Combining the total construction and operation GHG emissions discussed above, MSEP will emit the following:

12,672 tonnes CO_2e during construction + 6,480 (216 x 30 years[3]) tonnes CO_2e during operation, for a Project total of 19,152 tonnes of CO_2e of greenhouse gases.

As noted above, MDAQMD has not established a CEQA significance threshold for construction or operation-related GHG emissions. However, the SCAQMD has adopted a threshold for industrial projects of 10,000 CO_2e tonnes per year for the sum of annual operational GHG emissions and total construction GHG emissions amortized over 30 years. As shown in **Table 8**, for the MSEP, the sum of annual operational GHG emissions, without considering the potential reductions from displacement of gas-fired generation, and amortized construction GHG emissions is 638 CO_2e tonnes per year, which is well below the SCAQMD CEQA significance threshold of 10,000 CO_2e tonnes per year.

Therefore, the operation-related GHG emissions from the proposed Project would not have significant climate change impacts.

[3] Assumed MSEP life

Table 8 – Total Annual Amortized GHG Emissions

30-year Amortized Construction Emissions[1] (Tonnes/year)	422
Total Annual Operation GHG Emissions (Tonnes/year)	216
Amortized Construction + Annual Operation (Tonnes/year)	**638**
SCAQMD CEQA GHG Threshold	**10,000**
Significant Impact (Yes/No)	**No**

5.4 Displacement of GHGs

The proposed renewable source of energy could displace electricity generated by fossil fuel combustion and provide low-GHG electricity to consumers. The reduction in GHG emissions by electricity displacement was estimated by assuming that the solar power displaces electricity generated by dispatchable natural-gas fired combined-cycle power plants and that the Project has a capacity factor of 26 percent. Natural gas energy requirements for generation by combined-cycle power plants and emission factors from The Climate Registry were used to estimate the displaced emissions.

Net GHG emissions due to the proposed Project were estimated as the difference between GHG emissions generated by the Project and GHG emissions prevented/displaced by the Project. Details of the calculations are provided in **Attachment 2-D Summary of Operation GHG Emissions**.

Assuming that the renewable energy produced by the Project would displace gas-fired generation, the project would displace an estimated 639,061 tonnes of GHGs annually, resulting in a net reduction of 638,846 tonnes per year.

6.0 References

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Attachment 1

Construction Emissions

Attachment 1-A

Construction Equipment Emissions

Table 1.1 - Construction Equipment Numbers

Equipment/Vehicle Type	ARB Offroad Category	HP	Hours/Day/Piece of Equipment	Unit 1 Daily Equipment Number														
				Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15
Construction Equipment				**Mar-13**	**Apr-13**	**May-13**	**Jun-13**	**Jul-13**	**Aug-13**	**Sep-13**	**Oct-13**	**Nov-13**	**Dec-13**	**Jan-14**	**Feb-14**	**Mar-14**	**Apr-14**	**May-14**
Phase 1 - Fencing and Mobilization																		
Generator	Generator Sets	30	6	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Skip Loader	Rubber Tired Loaders	78	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Track Trencher	Trenchers	115	8	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 2- Grading and Earthwork																		
Dozer Cat D6R	Crawler Tractors	185	8	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0
Generator	Generator Sets	30	6	0	0	2	2	2	3	2	2	2	2	2	2	2	2	0
Scraper Cat 623	Scrapers	365	8	0	0	2	2	2	2	2	2	2	2	2	2	2	2	0
Deere 210LE Skip Loader	Rubber Tired Loaders	78	6	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0
Cat 140H Grader	Graders	185	8	0	0	2	2	2	2	2	2	2	2	2	2	2	2	0
Roller Vibrator/compactor/other	Rollers	350	6	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0
Cat BG600D Paver	Pavers	173	6	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0
Phase 3 - PV Panel Construction																		
Generator	Generator Sets	30	8	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2
Air Compressor	Air Compressors	25	8	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2
Dozer Cat D6R	Crawler Tractors	185	4	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1
Deere 210LE Skip Loader	Rubber Tired Loaders	78	8	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1
Telehandler	Rough Terrain Forklifts	99	8	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2
Track Trencher	Trenchers	115	8	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1
Cat 583T Pipelayer	Other Construction Equipment	310	6	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1
Phase 4 - Substation, Building and Water Tank Construction																		
Generator	Generator Sets	30	6	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
Air Compressor	Air Compressors	25	6	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
Skip Loader	Rubber Tired Loaders	78	6	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
Crane - Boom Truck	Cranes	250	6	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
Phase 5 - Offsite Linear																		
Dozer Cat D6R	Crawler Tractors	185	8	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0
Generator	Generator Sets	30	6	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0
Cat 140H Grader	Graders	185	8	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0
Roller Vibrator/compactor/other	Rollers	350	6	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0
Phase 6 - Testing and Commissionning																		
Roller Vibrator/compactor/other	Rollers	350	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cat BG600D Paver	Pavers	173	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 1.1 - Construction Equipment Numbers

Equipment/Vehicle Type	ARB Offroad Category	Unit 1 Daily Equipment Number															Unit 2 Daily Equipment Number		
		Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33
Construction Equipment		**Jun-14**	**Jul-14**	**Aug-14**	**Sep-14**	**Oct-14**	**Nov-14**	**Dec-14**	**Jan-15**	**Feb-15**	**Mar-15**	**Apr-15**	**May-15**	**Jun-15**	**Jul-15**	**Aug-15**	**Sep-15**	**Oct-15**	**Nov-15**
Phase 1 - Fencing and Mobilization																			
Generator	Generator Sets	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
Skip Loader	Rubber Tired Loaders	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
Track Trencher	Trenchers	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
Phase 2- Grading and Earthwork																			
Dozer Cat D6R	Crawler Tractors	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1
Generator	Generator Sets	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2
Scraper Cat 623	Scrapers	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2
Deere 210LE Skip Loader	Rubber Tired Loaders	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1
Cat 140H Grader	Graders	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2
Roller Vibrator/compactor/other	Rollers	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1
Cat BG600D Paver	Pavers	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
Phase 3 - PV Panel Construction																			
Generator	Generator Sets	2	2	2	2	2	2	2	2	2	0	0	0	0	2	2	2	2	2
Air Compressor	Air Compressors	2	2	2	2	2	2	2	2	2	0	0	0	0	2	2	2	2	2
Dozer Cat D6R	Crawler Tractors	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1
Deere 210LE Skip Loader	Rubber Tired Loaders	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1
Telehandler	Rough Terrain Forklifts	2	2	2	2	2	2	2	2	2	0	0	0	0	2	2	2	2	2
Track Trencher	Trenchers	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1
Cat 583T Pipelayer	Other Construction Equipment	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1
Phase 4 - Substation, Building and Water Tank Construction																			
Generator	Generator Sets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
Air Compressor	Air Compressors	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
Skip Loader	Rubber Tired Loaders	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
Crane - Boom Truck	Cranes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
Phase 5 - Offsite Linear																			
Dozer Cat D6R	Crawler Tractors	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Generator	Generator Sets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cat 140H Grader	Graders	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Roller Vibrator/compactor/other	Rollers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 6 - Testing and Commissionning																			
Roller Vibrator/compactor/other	Rollers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cat BG600D Paver	Pavers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 1.1 - Construction Equipment Numbers

Equipment/Vehicle Type	ARB Offroad Category	Unit 2 Daily Equipment Number													Unit 1 Average Daily Equipment Number	Unit 2 Average Daily Equipment Number	Revised Load Factor
		Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46			
Construction Equipment		**Dec-15**	**Jan-16**	**Feb-16**	**Mar-16**	**Apr-16**	**May-16**	**Jun-16**	**Jul-16**	**Aug-16**	**Sep-16**	**Oct-16**	**Nov-16**	**Dec-16**			
Phase 1 - Fencing and Mobilization																	
Generator	Generator Sets	0	0	0	0	0	0	0	0	0	0	0	0	0	1.0	1.0	---
Skip Loader	Rubber Tired Loaders	0	0	0	0	0	0	0	0	0	0	0	0	0	1.0	1.0	0.36
Track Trencher	Trenchers	0	0	0	0	0	0	0	0	0	0	0	0	0	1.0	1.0	0.5
Phase 2- Grading and Earthwork																	
Dozer Cat D6R	Crawler Tractors	1	1	1	0	0	0	0	0	0	0	0	0	0	1.0	1.0	0.43
Generator	Generator Sets	2	2	2	0	0	0	0	0	0	0	0	0	0	2.1	2.0	---
Scraper Cat 623	Scrapers	2	2	2	0	0	0	0	0	0	0	0	0	0	2.0	2.0	0.48
Deere 210LE Skip Loader	Rubber Tired Loaders	1	1	1	0	0	0	0	0	0	0	0	0	0	1.0	1.0	0.36
Cat 140H Grader	Graders	2	2	2	0	0	0	0	0	0	0	0	0	0	2.0	2.0	0.41
Roller Vibrator/compactor/other	Rollers	1	1	1	0	0	0	0	0	0	0	0	0	0	0.9	1.0	0.38
Cat BG600D Paver	Pavers	0	0	1	0	0	0	0	0	0	0	0	0	0	0.3	0.3	0.42
Phase 3 - PV Panel Construction																	
Generator	Generator Sets	2	2	2	2	2	2	2	2	2	2	2	0	0	2.0	2.0	---
Air Compressor	Air Compressors	2	2	2	2	2	2	2	2	2	2	2	0	0	2.0	2.0	---
Dozer Cat D6R	Crawler Tractors	1	1	1	1	1	1	1	1	1	1	1	0	0	1.0	1.0	0.43
Deere 210LE Skip Loader	Rubber Tired Loaders	1	1	1	1	1	1	1	1	1	1	1	0	0	1.0	1.0	0.36
Telehandler	Rough Terrain Forklifts	2	2	2	2	2	2	2	2	2	2	2	0	0	2.0	2.0	0.4
Track Trencher	Trenchers	1	1	1	1	1	1	1	1	1	1	1	0	0	1.0	1.0	0.5
Cat 583T Pipelayer	Other Construction Equipment	1	1	1	1	1	1	1	1	1	1	1	0	0	1.0	1.0	0.42
Phase 4 - Substation, Building and Water Tank Construction																	
Generator	Generator Sets	0	0	0	0	0	0	0	0	0	0	0	0	0	1.0	1.0	---
Air Compressor	Air Compressors	0	0	0	0	0	0	0	0	0	0	0	0	0	1.0	1.0	---
Skip Loader	Rubber Tired Loaders	0	0	0	0	0	0	0	0	0	0	0	0	0	1.0	1.0	0.36
Crane - Boom Truck	Cranes	0	0	0	0	0	0	0	0	0	0	0	0	0	1.0	1.0	0.29
Phase 5 - Offsite Linear																	
Dozer Cat D6R	Crawler Tractors	0	0	0	0	0	0	0	0	0	0	0	0	0	1.0	---	0.43
Generator	Generator Sets	0	0	0	0	0	0	0	0	0	0	0	0	0	1.0	---	---
Cat 140H Grader	Graders	0	0	0	0	0	0	0	0	0	0	0	0	0	1.0	---	0.41
Roller Vibrator/compactor/other	Rollers	0	0	0	0	0	0	0	0	0	0	0	0	0	1.0	---	0.38
Phase 6 - Testing and Commissionning																	
Roller Vibrator/compactor/other	Rollers	0	0	0	0	0	0	0	0	0	0	1	1	0	---	1.0	0.38
Cat BG600D Paver	Pavers	0	0	0	0	0	0	0	0	0	0	1	1	0	---	1.0	0.42

Table 1.2 - Acreage Paved with Asphalt

Asphalt Paving		Daily Acreage Paved with Asphalt															
Quantity of Acres Paved		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16
		Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14
Phase 1	Acres/day	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 2	Acres/day	0	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0
Phase 3	Acres/day	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 4	Acres/day	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 5	Acres/day	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 6	Acres/day	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Daily	Acres/day	0	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0
Total Monthly	Acres/Month	0	0	0	4.4	4.4	4.4	4.4	4.4	4.4	4.4	0	0	0	0	0	0

Table 1.2 - Acreage Paved with Asphalt

Asphalt Paving		Daily Acreage Paved with Asphalt															
Quantity of Acres Paved		Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32
		Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15
Phase 1	Acres/day	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 2	Acres/day	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 3	Acres/day	0	0	0	0	0	0	0	0	0.2	0	0	0	0	0	0	0
Phase 4	Acres/day	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 5	Acres/day	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 6	Acres/day	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Daily	Acres/day	0	0	0	0	0	0	0	0	0.2	0	0	0	0	0	0	0
Total Monthly	Acres/Month	0	0	0	0	0	0	0	0	4.4	0	0	0	0	0	0	0

Table 1.2 - Acreage Paved with Asphalt

Asphalt Paving		Daily Acreage Paved with Asphalt													
Quantity of Acres Paved		Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
		Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
Phase 1	Acres/day	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 2	Acres/day	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 3	Acres/day	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 4	Acres/day	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 5	Acres/day	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 6	Acres/day	0	0	0	0	0	0	0	0	0	0	0	0.5	0.5	0
Total Daily	Acres/day	0	0	0	0	0	0	0	0	0	0	0	0.5	0.5	0
Total Monthly	Acres/Month	0	0	0	0	0	0	0	0	0	0	0	11	11	0

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Detail Report for Annual Construction Unmitigated Emissions (Tons/Year)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 11-7-2011\1. Construction\1-A Construction Equipment\Unit 1\2. Phase 1 - Fencing and Mobilization\Unit 1 Phase 1 Daily.urb924

Project Name: McCoy Unit 1 Phase 1 - Fencing and Mobilization

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES (Annual Tons Per Year, Unmitigated)

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10 Total	PM2.5 Dust	PM2.5 Exhaust	PM2.5 Total	CO2
2013	0.03	0.15	0.10	0.00	0.00	0.01	0.01	0.00	0.01	0.01	13.58
Building 03/01/2013-04/30/2013	0.03	0.15	0.10	0.00	0.00	0.01	0.01	0.00	0.01	0.01	13.58
Building Off Road Diesel	0.03	0.15	0.10	0.00	0.00	0.01	0.01	0.00	0.01	0.01	13.58
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Building Construction 3/1/2013 - 4/30/2013 - Default Building Construction Description

Off-Road Equipment:

1 Generator Sets (30 hp) operating at a 0.74 load factor for 6 hours per day

1 Rubber Tired Loaders (78 hp) operating at a 0.36 load factor for 4 hours per day

1 Trenchers (115 hp) operating at a 0.5 load factor for 8 hours per day

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Urbemis 2007 Version 9.2.4

Detail Report for Summer Construction Unmitigated Emissions (Pounds/Day)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 11-7-2011\1. Construction\1-A Construction Equipment\Unit 1\2. Phase 1 - Fencing and Mobilization\Unit 1 Phase 1 Daily.urb924

Project Name: McCoy Unit 1 Phase 1 - Fencing and Mobilization

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES (Summer Pounds Per Day, Unmitigated)

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10 Total	PM2.5 Dust	PM2.5 Exhaust	PM2.5 Total	CO2
Time Slice 3/1/2013-4/30/2013 Active Days: 43	**1.32**	**7.16**	**4.71**	**0.00**	**0.00**	**0.61**	**0.61**	**0.00**	**0.56**	**0.56**	**631.73**
Building 03/01/2013-04/30/2013	1.32	7.16	4.71	0.00	0.00	0.61	0.61	0.00	0.56	0.56	631.73
Building Off Road Diesel	1.32	7.16	4.71	0.00	0.00	0.61	0.61	0.00	0.56	0.56	631.73
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Building Construction 3/1/2013 - 4/30/2013 - Default Building Construction Description

Off-Road Equipment:

1 Generator Sets (30 hp) operating at a 0.74 load factor for 6 hours per day

1 Rubber Tired Loaders (78 hp) operating at a 0.36 load factor for 4 hours per day

1 Trenchers (115 hp) operating at a 0.5 load factor for 8 hours per day

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Urbemis 2007 Version 9.2.4

Detail Report for Winter Construction Unmitigated Emissions (Pounds/Day)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 11-7-2011\1. Construction\1-A Construction Equipment\Unit 1\2. Phase 1 - Fencing and Mobilization\Unit 1 Phase 1 Daily.urb924

Project Name: McCoy Unit 1 Phase 1 - Fencing and Mobilization

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES (Winter Pounds Per Day, Unmitigated)

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10 Total	PM2.5 Dust	PM2.5 Exhaust	PM2.5 Total	CO2
Time Slice 3/1/2013-4/30/2013 Active Days: 43	**1.32**	**7.16**	**4.71**	**0.00**	**0.00**	**0.61**	**0.61**	**0.00**	**0.56**	**0.56**	**631.73**
Building 03/01/2013-04/30/2013	1.32	7.16	4.71	0.00	0.00	0.61	0.61	0.00	0.56	0.56	631.73
Building Off Road Diesel	1.32	7.16	4.71	0.00	0.00	0.61	0.61	0.00	0.56	0.56	631.73
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Building Construction 3/1/2013 - 4/30/2013 - Default Building Construction Description

Off-Road Equipment:

1 Generator Sets (30 hp) operating at a 0.74 load factor for 6 hours per day

1 Rubber Tired Loaders (78 hp) operating at a 0.36 load factor for 4 hours per day

1 Trenchers (115 hp) operating at a 0.5 load factor for 8 hours per day

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Urbemis 2007 Version 9.2.4

Detail Report for Annual Construction Unmitigated Emissions (Tons/Year)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 11-7-2011\1. Construction\1-A Construction Equipment\Unit 1\3. Phase 2 - Grading and Earthwork\Unit 1 Phase 2 Grading Daily.urb924

Project Name: McCoy Unit 1 Phase 2 - Grading and Earthwork

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES (Annual Tons Per Year, Unmitigated)

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10 Total	PM2.5 Dust	PM2.5 Exhaust	PM2.5 Total	CO2
2013	0.51	3.88	1.65	0.00	0.00	0.16	0.16	0.00	0.15	0.15	451.09
Building 05/01/2013-04/30/2014	0.46	3.79	1.62	0.00	0.00	0.16	0.16	0.00	0.15	0.15	432.71
Building Off Road Diesel	0.46	3.79	1.62	0.00	0.00	0.16	0.16	0.00	0.15	0.15	432.71
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt 06/01/2013-12/31/2013	0.05	0.09	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.38
Paving Off-Gas	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving On Road Diesel	0.01	0.09	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.38
Paving Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	0.22	1.72	0.76	0.00	0.00	0.07	0.07	0.00	0.07	0.07	212.65
Building 05/01/2013-04/30/2014	0.22	1.72	0.76	0.00	0.00	0.07	0.07	0.00	0.07	0.07	212.65
Building Off Road Diesel	0.22	1.72	0.76	0.00	0.00	0.07	0.07	0.00	0.07	0.07	212.65
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Paving 6/1/2013 - 12/31/2013 - Default Paving Description

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Acres to be Paved: 31

Off-Road Equipment:

Phase: Building Construction 5/1/2013 - 4/30/2014 - Default Building Construction Description

Off-Road Equipment:

1 Crawler Tractors (185 hp) operating at a 0.43 load factor for 8 hours per day

2.1 Generator Sets (30 hp) operating at a 0.74 load factor for 6 hours per day

2 Graders (185 hp) operating at a 0.41 load factor for 8 hours per day

0.3 Pavers (173 hp) operating at a 0.42 load factor for 6 hours per day

0.9 Rollers (350 hp) operating at a 0.38 load factor for 6 hours per day

1 Rubber Tired Loaders (78 hp) operating at a 0.36 load factor for 6 hours per day

2 Scrapers (365 hp) operating at a 0.48 load factor for 8 hours per day

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Detail Report for Summer Construction Unmitigated Emissions (Pounds/Day)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 11-7-2011\1. Construction\1-A Construction Equipment\Unit 1\3. Phase 2 - Grading and Earthwork\Unit 1 Phase 2 Grading Daily.urb924

Project Name: McCoy Unit 1 Phase 2 - Grading and Earthwork

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

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CONSTRUCTION EMISSION ESTIMATES (Summer Pounds Per Day, Unmitigated)

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10 Total	PM2.5 Dust	PM2.5 Exhaust	PM2.5 Total	CO2
Time Slice 5/1/2013-5/31/2013 Active Days: 23	5.31	43.30	18.47	0.00	0.00	1.81	1.81	0.00	1.67	1.67	4,945.29
Building 05/01/2013-04/30/2014	5.31	43.30	18.47	0.00	0.00	1.81	1.81	0.00	1.67	1.67	4,945.29
Building Off Road Diesel	5.31	43.30	18.47	0.00	0.00	1.81	1.81	0.00	1.67	1.67	4,945.29
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Time Slice 6/3/2013-12/31/2013 Active Days: 152	**5.93**	**44.54**	**18.90**	**0.00**	**0.01**	**1.86**	**1.87**	**0.00**	**1.71**	**1.71**	**5,187.11**
Asphalt 06/01/2013-12/31/2013	0.62	1.24	0.44	0.00	0.01	0.05	0.05	0.00	0.04	0.05	241.82
Paving Off-Gas	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving On Road Diesel	0.09	1.24	0.44	0.00	0.01	0.05	0.05	0.00	0.04	0.05	241.82
Paving Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building 05/01/2013-04/30/2014	5.31	43.30	18.47	0.00	0.00	1.81	1.81	0.00	1.67	1.67	4,945.29
Building Off Road Diesel	5.31	43.30	18.47	0.00	0.00	1.81	1.81	0.00	1.67	1.67	4,945.29
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Time Slice 1/1/2014-4/30/2014 Active Days: 86	5.00	39.96	17.58	0.00	0.00	1.67	1.67	0.00	1.53	1.53	4,945.29
Building 05/01/2013-04/30/2014	5.00	39.96	17.58	0.00	0.00	1.67	1.67	0.00	1.53	1.53	4,945.29
Building Off Road Diesel	5.00	39.96	17.58	0.00	0.00	1.67	1.67	0.00	1.53	1.53	4,945.29
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Paving 6/1/2013 - 12/31/2013 - Default Paving Description

Acres to be Paved: 31

Off-Road Equipment:

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Phase: Building Construction 5/1/2013 - 4/30/2014 - Default Building Construction Description

Off-Road Equipment:

1 Crawler Tractors (185 hp) operating at a 0.43 load factor for 8 hours per day

2.1 Generator Sets (30 hp) operating at a 0.74 load factor for 6 hours per day

2 Graders (185 hp) operating at a 0.41 load factor for 8 hours per day

0.3 Pavers (173 hp) operating at a 0.42 load factor for 6 hours per day

0.9 Rollers (350 hp) operating at a 0.38 load factor for 6 hours per day

1 Rubber Tired Loaders (78 hp) operating at a 0.36 load factor for 6 hours per day

2 Scrapers (365 hp) operating at a 0.48 load factor for 8 hours per day

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Detail Report for Winter Construction Unmitigated Emissions (Pounds/Day)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 11-7-2011\1. Construction\1-A Construction Equipment\Unit 1\3. Phase 2 - Grading and Earthwork\Unit 1 Phase 2 Grading Daily.urb924

Project Name: McCoy Unit 1 Phase 2 - Grading and Earthwork

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

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CONSTRUCTION EMISSION ESTIMATES (Winter Pounds Per Day, Unmitigated)

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10 Total	PM2.5 Dust	PM2.5 Exhaust	PM2.5 Total	CO2
Time Slice 5/1/2013-5/31/2013 Active Days: 23	5.31	43.30	18.47	0.00	0.00	1.81	1.81	0.00	1.67	1.67	4,945.29
Building 05/01/2013-04/30/2014	5.31	43.30	18.47	0.00	0.00	1.81	1.81	0.00	1.67	1.67	4,945.29
Building Off Road Diesel	5.31	43.30	18.47	0.00	0.00	1.81	1.81	0.00	1.67	1.67	4,945.29
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Time Slice 6/3/2013-12/31/2013 Active Days: 152	**5.93**	**44.54**	**18.90**	**0.00**	**0.01**	**1.86**	**1.87**	**0.00**	**1.71**	**1.71**	**5,187.11**
Asphalt 06/01/2013-12/31/2013	0.62	1.24	0.44	0.00	0.01	0.05	0.05	0.00	0.04	0.05	241.82
Paving Off-Gas	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving On Road Diesel	0.09	1.24	0.44	0.00	0.01	0.05	0.05	0.00	0.04	0.05	241.82
Paving Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building 05/01/2013-04/30/2014	5.31	43.30	18.47	0.00	0.00	1.81	1.81	0.00	1.67	1.67	4,945.29
Building Off Road Diesel	5.31	43.30	18.47	0.00	0.00	1.81	1.81	0.00	1.67	1.67	4,945.29
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Time Slice 1/1/2014-4/30/2014 Active Days: 86	5.00	39.96	17.58	0.00	0.00	1.67	1.67	0.00	1.53	1.53	4,945.29
Building 05/01/2013-04/30/2014	5.00	39.96	17.58	0.00	0.00	1.67	1.67	0.00	1.53	1.53	4,945.29
Building Off Road Diesel	5.00	39.96	17.58	0.00	0.00	1.67	1.67	0.00	1.53	1.53	4,945.29
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Paving 6/1/2013 - 12/31/2013 - Default Paving Description

Acres to be Paved: 31

Off-Road Equipment:

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Phase: Building Construction 5/1/2013 - 4/30/2014 - Default Building Construction Description

Off-Road Equipment:

1 Crawler Tractors (185 hp) operating at a 0.43 load factor for 8 hours per day

2.1 Generator Sets (30 hp) operating at a 0.74 load factor for 6 hours per day

2 Graders (185 hp) operating at a 0.41 load factor for 8 hours per day

0.3 Pavers (173 hp) operating at a 0.42 load factor for 6 hours per day

0.9 Rollers (350 hp) operating at a 0.38 load factor for 6 hours per day

1 Rubber Tired Loaders (78 hp) operating at a 0.36 load factor for 6 hours per day

2 Scrapers (365 hp) operating at a 0.48 load factor for 8 hours per day

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Detail Report for Annual Construction Unmitigated Emissions (Tons/Year)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 11-7-2011\1. Construction\1-A Construction Equipment\Unit 1\4. Phase 3 - PV Construction\Unit 1 Phase 3 PV Construction Daily.urb924

Project Name: Unit 1 Phase 3 PV Construction

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES (Annual Tons Per Year, Unmitigated)

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10 Total	PM2.5 Dust	PM2.5 Exhaust	PM2.5 Total	CO2
2013	0.24	1.42	0.85	0.00	0.00	0.10	0.10	0.00	0.09	0.09	156.24
Building 07/01/2013-02/28/2015	0.24	1.42	0.85	0.00	0.00	0.10	0.10	0.00	0.09	0.09	156.24
Building Off Road Diesel	0.24	1.42	0.85	0.00	0.00	0.10	0.10	0.00	0.09	0.09	156.24
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	0.43	2.63	1.65	0.00	0.00	0.18	0.18	0.00	0.17	0.17	308.93
Building 07/01/2013-02/28/2015	0.43	2.63	1.65	0.00	0.00	0.18	0.18	0.00	0.17	0.17	308.93
Building Off Road Diesel	0.43	2.63	1.65	0.00	0.00	0.18	0.18	0.00	0.17	0.17	308.93
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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2015	0.07	0.40	0.26	0.00	0.00	0.03	0.03	0.00	0.02	0.02	52.22
Building 07/01/2013-02/28/2015	0.06	0.39	0.26	0.00	0.00	0.03	0.03	0.00	0.02	0.02	49.71
Building Off Road Diesel	0.06	0.39	0.26	0.00	0.00	0.03	0.03	0.00	0.02	0.02	49.71
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt 03/01/2015-03/31/2015	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.51
Paving Off-Gas	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving On Road Diesel	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.51
Paving Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Paving 3/1/2015 - 3/31/2015 - Default Paving Description

Acres to be Paved: 4.4

Off-Road Equipment:

Phase: Building Construction 7/1/2013 - 2/28/2015 - Default Building Construction Description

Off-Road Equipment:

2 Air Compressors (25 hp) operating at a 0.48 load factor for 8 hours per day

1 Crawler Tractors (185 hp) operating at a 0.43 load factor for 4 hours per day

2 Generator Sets (30 hp) operating at a 0.74 load factor for 8 hours per day

1 Other Equipment (310 hp) operating at a 0.42 load factor for 6 hours per day

2 Rough Terrain Forklifts (99 hp) operating at a 0.4 load factor for 8 hours per day

1 Rubber Tired Loaders (78 hp) operating at a 0.36 load factor for 8 hours per day

1 Trenchers (115 hp) operating at a 0.5 load factor for 8 hours per day

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Urbemis 2007 Version 9.2.4

Detail Report for Summer Construction Unmitigated Emissions (Pounds/Day)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 11-7-2011\1. Construction\1-A Construction Equipment\Unit 1\4. Phase 3 - PV Construction\Unit 1 Phase 3 PV Construction Daily.urb924

Project Name: Unit 1 Phase 3 PV Construction

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

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CONSTRUCTION EMISSION ESTIMATES (Summer Pounds Per Day, Unmitigated)

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10 Total	PM2.5 Dust	PM2.5 Exhaust	PM2.5 Total	CO2
Time Slice 7/1/2013-12/31/2013 Active Days: 132	**3.57**	**21.54**	**12.92**	0.00	0.00	**1.51**	**1.51**	0.00	**1.39**	**1.39**	**2,367.29**
Building 07/01/2013-02/28/2015	3.57	21.54	12.92	0.00	0.00	1.51	1.51	0.00	1.39	1.39	2,367.29
Building Off Road Diesel	3.57	21.54	12.92	0.00	0.00	1.51	1.51	0.00	1.39	1.39	2,367.29
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Time Slice 1/1/2014-12/31/2014 Active Days: 261	3.32	20.14	12.66	0.00	0.00	1.38	1.38	0.00	1.27	1.27	**2,367.29**
Building 07/01/2013-02/28/2015	3.32	20.14	12.66	0.00	0.00	1.38	1.38	0.00	1.27	1.27	2,367.29
Building Off Road Diesel	3.32	20.14	12.66	0.00	0.00	1.38	1.38	0.00	1.27	1.27	2,367.29
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Time Slice 1/1/2015-2/27/2015 Active Days: 42	3.07	18.71	12.43	0.00	0.00	1.25	1.25	0.00	1.15	1.15	**2,367.29**
Building 07/01/2013-02/28/2015	3.07	18.71	12.43	0.00	0.00	1.25	1.25	0.00	1.15	1.15	2,367.29
Building Off Road Diesel	3.07	18.71	12.43	0.00	0.00	1.25	1.25	0.00	1.15	1.15	2,367.29
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Time Slice 3/2/2015-3/31/2015 Active Days: 22	0.57	0.90	0.33	**0.00**	**0.01**	0.03	0.04	**0.00**	0.03	0.03	228.32
Asphalt 03/01/2015-03/31/2015	0.57	0.90	0.33	0.00	0.01	0.03	0.04	0.00	0.03	0.03	228.32
Paving Off-Gas	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving On Road Diesel	0.07	0.90	0.33	0.00	0.01	0.03	0.04	0.00	0.03	0.03	228.32
Paving Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Paving 3/1/2015 - 3/31/2015 - Default Paving Description

Acres to be Paved: 4.4

11/7/2011 2:04:02 PM

Off-Road Equipment:

Phase: Building Construction 7/1/2013 - 2/28/2015 - Default Building Construction Description

Off-Road Equipment:

2 Air Compressors (25 hp) operating at a 0.48 load factor for 8 hours per day

1 Crawler Tractors (185 hp) operating at a 0.43 load factor for 4 hours per day

2 Generator Sets (30 hp) operating at a 0.74 load factor for 8 hours per day

1 Other Equipment (310 hp) operating at a 0.42 load factor for 6 hours per day

2 Rough Terrain Forklifts (99 hp) operating at a 0.4 load factor for 8 hours per day

1 Rubber Tired Loaders (78 hp) operating at a 0.36 load factor for 8 hours per day

1 Trenchers (115 hp) operating at a 0.5 load factor for 8 hours per day

11/7/2011 2:04:37 PM

Urbemis 2007 Version 9.2.4

Detail Report for Winter Construction Unmitigated Emissions (Pounds/Day)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 11-7-2011\1. Construction\1-A Construction Equipment\Unit 1\4. Phase 3 - PV Construction\Unit 1 Phase 3 PV Construction Daily.urb924

Project Name: Unit 1 Phase 3 PV Construction

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

11/7/2011 2:04:37 PM

CONSTRUCTION EMISSION ESTIMATES (Winter Pounds Per Day, Unmitigated)

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10 Total	PM2.5 Dust	PM2.5 Exhaust	PM2.5 Total	CO2
Time Slice 7/1/2013-12/31/2013 Active Days: 132	**3.57**	**21.54**	**12.92**	0.00	0.00	**1.51**	**1.51**	0.00	**1.39**	**1.39**	**2,367.29**
Building 07/01/2013-02/28/2015	3.57	21.54	12.92	0.00	0.00	1.51	1.51	0.00	1.39	1.39	2,367.29
Building Off Road Diesel	3.57	21.54	12.92	0.00	0.00	1.51	1.51	0.00	1.39	1.39	2,367.29
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Time Slice 1/1/2014-12/31/2014 Active Days: 261	3.32	20.14	12.66	0.00	0.00	1.38	1.38	0.00	1.27	1.27	**2,367.29**
Building 07/01/2013-02/28/2015	3.32	20.14	12.66	0.00	0.00	1.38	1.38	0.00	1.27	1.27	2,367.29
Building Off Road Diesel	3.32	20.14	12.66	0.00	0.00	1.38	1.38	0.00	1.27	1.27	2,367.29
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Time Slice 1/1/2015-2/27/2015 Active Days: 42	3.07	18.71	12.43	0.00	0.00	1.25	1.25	0.00	1.15	1.15	**2,367.29**
Building 07/01/2013-02/28/2015	3.07	18.71	12.43	0.00	0.00	1.25	1.25	0.00	1.15	1.15	2,367.29
Building Off Road Diesel	3.07	18.71	12.43	0.00	0.00	1.25	1.25	0.00	1.15	1.15	2,367.29
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Time Slice 3/2/2015-3/31/2015 Active Days: 22	0.57	0.90	0.33	**0.00**	**0.01**	0.03	0.04	**0.00**	0.03	0.03	228.32
Asphalt 03/01/2015-03/31/2015	0.57	0.90	0.33	0.00	0.01	0.03	0.04	0.00	0.03	0.03	228.32
Paving Off-Gas	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving On Road Diesel	0.07	0.90	0.33	0.00	0.01	0.03	0.04	0.00	0.03	0.03	228.32
Paving Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Paving 3/1/2015 - 3/31/2015 - Default Paving Description

Acres to be Paved: 4.4

11/7/2011 2:04:37 PM

Off-Road Equipment:

Phase: Building Construction 7/1/2013 - 2/28/2015 - Default Building Construction Description

Off-Road Equipment:

2 Air Compressors (25 hp) operating at a 0.48 load factor for 8 hours per day

1 Crawler Tractors (185 hp) operating at a 0.43 load factor for 4 hours per day

2 Generator Sets (30 hp) operating at a 0.74 load factor for 8 hours per day

1 Other Equipment (310 hp) operating at a 0.42 load factor for 6 hours per day

2 Rough Terrain Forklifts (99 hp) operating at a 0.4 load factor for 8 hours per day

1 Rubber Tired Loaders (78 hp) operating at a 0.36 load factor for 8 hours per day

1 Trenchers (115 hp) operating at a 0.5 load factor for 8 hours per day

10/20/2011 12:02:04 PM

Urbemis 2007 Version 9.2.4

Detail Report for Annual Construction Unmitigated Emissions (Tons/Year)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 10-18-2011\1. Construction\1-A Construction Equipment\Unit 1\5. Phase 4 - Bldg Construction\Unit 1 Phase 4 Bldg Const Daily.urb924

Project Name: Unit 1 Phase 4 - Building and Substation Construction

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES (Annual Tons Per Year, Unmitigated)

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10 Total	PM2.5 Dust	PM2.5 Exhaust	PM2.5 Total	CO2
2014	0.02	0.14	0.08	0.00	0.00	0.01	0.01	0.00	0.01	0.01	16.23
Building 02/01/2014-04/30/2014	0.02	0.14	0.08	0.00	0.00	0.01	0.01	0.00	0.01	0.01	16.23
Building Off Road Diesel	0.02	0.14	0.08	0.00	0.00	0.01	0.01	0.00	0.01	0.01	16.23
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Building Construction 2/1/2014 - 4/30/2014 - Default Building Construction Description

Off-Road Equipment:

1 Air Compressors (25 hp) operating at a 0.48 load factor for 6 hours per day

1 Cranes (250 hp) operating at a 0.29 load factor for 6 hours per day

1 Generator Sets (30 hp) operating at a 0.74 load factor for 6 hours per day

1 Rubber Tired Loaders (78 hp) operating at a 0.36 load factor for 6 hours per day

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Urbemis 2007 Version 9.2.4

Detail Report for Summer Construction Unmitigated Emissions (Pounds/Day)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 10-18-2011\1. Construction\1-A Construction Equipment\Unit 1\5. Phase 4 - Bldg Construction\Unit 1 Phase 4 Bldg Const Daily.urb924

Project Name: Unit 1 Phase 4 - Building and Substation Construction

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES (Summer Pounds Per Day, Unmitigated)

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10 Total	PM2.5 Dust	PM2.5 Exhaust	PM2.5 Total	CO2
Time Slice 2/3/2014-4/30/2014 Active Days: 63	**0.76**	**4.47**	**2.61**	**0.00**	**0.00**	**0.27**	**0.27**	**0.00**	**0.25**	**0.25**	**515.14**
Building 02/01/2014-04/30/2014	0.76	4.47	2.61	0.00	0.00	0.27	0.27	0.00	0.25	0.25	515.14
Building Off Road Diesel	0.76	4.47	2.61	0.00	0.00	0.27	0.27	0.00	0.25	0.25	515.14
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Building Construction 2/1/2014 - 4/30/2014 - Default Building Construction Description

Off-Road Equipment:

1 Air Compressors (25 hp) operating at a 0.48 load factor for 6 hours per day

1 Cranes (250 hp) operating at a 0.29 load factor for 6 hours per day

1 Generator Sets (30 hp) operating at a 0.74 load factor for 6 hours per day

1 Rubber Tired Loaders (78 hp) operating at a 0.36 load factor for 6 hours per day

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Urbemis 2007 Version 9.2.4

Detail Report for Winter Construction Unmitigated Emissions (Pounds/Day)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 10-18-2011\1. Construction\1-A Construction Equipment\Unit 1\5. Phase 4 - Bldg Construction\Unit 1 Phase 4 Bldg Const Daily.urb924

Project Name: Unit 1 Phase 4 - Building and Substation Construction

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES (Winter Pounds Per Day, Unmitigated)

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10 Total	PM2.5 Dust	PM2.5 Exhaust	PM2.5 Total	CO2
Time Slice 2/3/2014-4/30/2014 Active Days: 63	**0.76**	**4.47**	**2.61**	**0.00**	**0.00**	**0.27**	**0.27**	**0.00**	**0.25**	**0.25**	**515.14**
Building 02/01/2014-04/30/2014	0.76	4.47	2.61	0.00	0.00	0.27	0.27	0.00	0.25	0.25	515.14
Building Off Road Diesel	0.76	4.47	2.61	0.00	0.00	0.27	0.27	0.00	0.25	0.25	515.14
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Building Construction 2/1/2014 - 4/30/2014 - Default Building Construction Description

Off-Road Equipment:

1 Air Compressors (25 hp) operating at a 0.48 load factor for 6 hours per day

1 Cranes (250 hp) operating at a 0.29 load factor for 6 hours per day

1 Generator Sets (30 hp) operating at a 0.74 load factor for 6 hours per day

1 Rubber Tired Loaders (78 hp) operating at a 0.36 load factor for 6 hours per day

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Urbemis 2007 Version 9.2.4

Detail Report for Annual Construction Unmitigated Emissions (Tons/Year)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 11-7-2011\1. Construction\1-A Construction Equipment\Unit 1\6. Phase 5 - Transmission Line\Unit 1 Phase 5 - Transmission Line Construction.urb924

Project Name: McCoy Unit 1 Phase 5 - Transmission Line Construction

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES (Annual Tons Per Year, Unmitigated)

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10 Total	PM2.5 Dust	PM2.5 Exhaust	PM2.5 Total	CO2
2013	0.09	0.77	0.29	0.00	0.00	0.03	0.03	0.00	0.03	0.03	90.33
Building 08/01/2013-03/31/2014	0.09	0.77	0.29	0.00	0.00	0.03	0.03	0.00	0.03	0.03	90.33
Building Off Road Diesel	0.09	0.77	0.29	0.00	0.00	0.03	0.03	0.00	0.03	0.03	90.33
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	0.05	0.42	0.16	0.00	0.00	0.02	0.02	0.00	0.02	0.02	53.04
Building 08/01/2013-03/31/2014	0.05	0.42	0.16	0.00	0.00	0.02	0.02	0.00	0.02	0.02	53.04
Building Off Road Diesel	0.05	0.42	0.16	0.00	0.00	0.02	0.02	0.00	0.02	0.02	53.04
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Building Construction 8/1/2013 - 3/31/2014 - Default Building Construction Description

Off-Road Equipment:

1 Crawler Tractors (185 hp) operating at a 0.43 load factor for 8 hours per day

1 Generator Sets (30 hp) operating at a 0.74 load factor for 6 hours per day

1 Graders (185 hp) operating at a 0.41 load factor for 8 hours per day

1 Rollers (350 hp) operating at a 0.38 load factor for 6 hours per day

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Urbemis 2007 Version 9.2.4

Detail Report for Summer Construction Unmitigated Emissions (Pounds/Day)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 11-7-2011\1. Construction\1-A Construction Equipment\Unit 1\6. Phase 5 - Transmission Line\Unit 1 Phase 5 - Transmission Line Construction.urb924

Project Name: McCoy Unit 1 Phase 5 - Transmission Line Construction

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES (Summer Pounds Per Day, Unmitigated)

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10 Total	PM2.5 Dust	PM2.5 Exhaust	PM2.5 Total	CO2
Time Slice 8/1/2013-12/31/2013 Active Days: 109	**1.71**	**14.17**	**5.38**	**0.00**	**0.00**	**0.57**	**0.57**	**0.00**	**0.52**	**0.52**	**1,657.42**
Building 08/01/2013-03/31/2014	1.71	14.17	5.38	0.00	0.00	0.57	0.57	0.00	0.52	0.52	1,657.42
Building Off Road Diesel	1.71	14.17	5.38	0.00	0.00	0.57	0.57	0.00	0.52	0.52	1,657.42
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Time Slice 1/1/2014-3/31/2014 Active Days: 64	1.61	12.99	5.12	**0.00**	**0.00**	0.51	0.51	**0.00**	0.47	0.47	**1,657.42**
Building 08/01/2013-03/31/2014	1.61	12.99	5.12	0.00	0.00	0.51	0.51	0.00	0.47	0.47	1,657.42
Building Off Road Diesel	1.61	12.99	5.12	0.00	0.00	0.51	0.51	0.00	0.47	0.47	1,657.42
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Building Construction 8/1/2013 - 3/31/2014 - Default Building Construction Description

Off-Road Equipment:

1 Crawler Tractors (185 hp) operating at a 0.43 load factor for 8 hours per day

1 Generator Sets (30 hp) operating at a 0.74 load factor for 6 hours per day

1 Graders (185 hp) operating at a 0.41 load factor for 8 hours per day

1 Rollers (350 hp) operating at a 0.38 load factor for 6 hours per day

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Urbemis 2007 Version 9.2.4

Detail Report for Winter Construction Unmitigated Emissions (Pounds/Day)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 11-7-2011\1. Construction\1-A Construction Equipment\Unit 1\6. Phase 5 - Transmission Line\Unit 1 Phase 5 - Transmission Line Construction.urb924

Project Name: McCoy Unit 1 Phase 5 - Transmission Line Construction

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES (Winter Pounds Per Day, Unmitigated)

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10 Total	PM2.5 Dust	PM2.5 Exhaust	PM2.5 Total	CO2
Time Slice 8/1/2013-12/31/2013 Active Days: 109	**1.71**	**14.17**	**5.38**	**0.00**	**0.00**	**0.57**	**0.57**	**0.00**	**0.52**	**0.52**	**1,657.42**
Building 08/01/2013-03/31/2014	1.71	14.17	5.38	0.00	0.00	0.57	0.57	0.00	0.52	0.52	1,657.42
Building Off Road Diesel	1.71	14.17	5.38	0.00	0.00	0.57	0.57	0.00	0.52	0.52	1,657.42
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Time Slice 1/1/2014-3/31/2014 Active Days: 64	1.61	12.99	5.12	**0.00**	**0.00**	0.51	0.51	**0.00**	0.47	0.47	**1,657.42**
Building 08/01/2013-03/31/2014	1.61	12.99	5.12	0.00	0.00	0.51	0.51	0.00	0.47	0.47	1,657.42
Building Off Road Diesel	1.61	12.99	5.12	0.00	0.00	0.51	0.51	0.00	0.47	0.47	1,657.42
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Building Construction 8/1/2013 - 3/31/2014 - Default Building Construction Description

Off-Road Equipment:

1 Crawler Tractors (185 hp) operating at a 0.43 load factor for 8 hours per day

1 Generator Sets (30 hp) operating at a 0.74 load factor for 6 hours per day

1 Graders (185 hp) operating at a 0.41 load factor for 8 hours per day

1 Rollers (350 hp) operating at a 0.38 load factor for 6 hours per day

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Urbemis 2007 Version 9.2.4

Detail Report for Annual Construction Unmitigated Emissions (Tons/Year)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 11-7-2011\1. Construction\1-A Construction Equipment\Unit 2\2. Phase 1 - Fencing and Mobilization\Unit 2 Phase 1 Daily.urb924

Project Name: McCoy Unit 2 Phase 1 - Fencing and Mobilization

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES (Annual Tons Per Year, Unmitigated)

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10 Total	PM2.5 Dust	PM2.5 Exhaust	PM2.5 Total	CO2
2015	0.03	0.14	0.10	0.00	0.00	0.01	0.01	0.00	0.01	0.01	13.90
Building 03/01/2015-04/30/2015	0.03	0.14	0.10	0.00	0.00	0.01	0.01	0.00	0.01	0.01	13.90
Building Off Road Diesel	0.03	0.14	0.10	0.00	0.00	0.01	0.01	0.00	0.01	0.01	13.90
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Building Construction 3/1/2015 - 4/30/2015 - Default Building Construction Description

Off-Road Equipment:

1 Generator Sets (30 hp) operating at a 0.74 load factor for 6 hours per day

1 Rubber Tired Loaders (78 hp) operating at a 0.36 load factor for 4 hours per day

1 Trenchers (115 hp) operating at a 0.5 load factor for 8 hours per day

11/7/2011 2:24:08 PM

Urbemis 2007 Version 9.2.4

Detail Report for Summer Construction Unmitigated Emissions (Pounds/Day)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 11-7-2011\1. Construction\1-A Construction Equipment\Unit 2\2. Phase 1 - Fencing and Mobilization\Unit 2 Phase 1 Daily.urb924

Project Name: McCoy Unit 2 Phase 1 - Fencing and Mobilization

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES (Summer Pounds Per Day, Unmitigated)

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10 Total	PM2.5 Dust	PM2.5 Exhaust	PM2.5 Total	CO2
Time Slice 3/2/2015-4/30/2015 Active Days: 44	**1.15**	**6.43**	**4.57**	**0.00**	**0.00**	**0.53**	**0.53**	**0.00**	**0.48**	**0.48**	**631.73**
Building 03/01/2015-04/30/2015	1.15	6.43	4.57	0.00	0.00	0.53	0.53	0.00	0.48	0.48	631.73
Building Off Road Diesel	1.15	6.43	4.57	0.00	0.00	0.53	0.53	0.00	0.48	0.48	631.73
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Building Construction 3/1/2015 - 4/30/2015 - Default Building Construction Description

Off-Road Equipment:

1 Generator Sets (30 hp) operating at a 0.74 load factor for 6 hours per day

1 Rubber Tired Loaders (78 hp) operating at a 0.36 load factor for 4 hours per day

1 Trenchers (115 hp) operating at a 0.5 load factor for 8 hours per day

11/7/2011 2:24:55 PM

Urbemis 2007 Version 9.2.4

Detail Report for Winter Construction Unmitigated Emissions (Pounds/Day)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 11-7-2011\1. Construction\1-A Construction Equipment\Unit 2\2. Phase 1 - Fencing and Mobilization\Unit 2 Phase 1 Daily.urb924

Project Name: McCoy Unit 2 Phase 1 - Fencing and Mobilization

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES (Winter Pounds Per Day, Unmitigated)

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10 Total	PM2.5 Dust	PM2.5 Exhaust	PM2.5 Total	CO2
Time Slice 3/2/2015-4/30/2015 Active Days: 44	**1.15**	**6.43**	**4.57**	**0.00**	**0.00**	**0.53**	**0.53**	**0.00**	**0.48**	**0.48**	**631.73**
Building 03/01/2015-04/30/2015	1.15	6.43	4.57	0.00	0.00	0.53	0.53	0.00	0.48	0.48	631.73
Building Off Road Diesel	1.15	6.43	4.57	0.00	0.00	0.53	0.53	0.00	0.48	0.48	631.73
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Building Construction 3/1/2015 - 4/30/2015 - Default Building Construction Description

Off-Road Equipment:

1 Generator Sets (30 hp) operating at a 0.74 load factor for 6 hours per day

1 Rubber Tired Loaders (78 hp) operating at a 0.36 load factor for 4 hours per day

1 Trenchers (115 hp) operating at a 0.5 load factor for 8 hours per day

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Urbemis 2007 Version 9.2.4

Detail Report for Annual Construction Unmitigated Emissions (Tons/Year)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 11-7-2011\1. Construction\1-A Construction Equipment\Unit 2\3. Phase 2 - Grading and Earthwork\Unit 2 Phase 2 Grading Daily.urb924

Project Name: McCoy Unit 2 Phase 2 - Grading and Earthwork

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES (Annual Tons Per Year, Unmitigated)

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10 Total	PM2.5 Dust	PM2.5 Exhaust	PM2.5 Total	CO2
2015	0.41	3.24	1.47	0.00	0.00	0.13	0.13	0.00	0.12	0.12	436.53
Building 05/01/2015-04/30/2016	0.41	3.24	1.47	0.00	0.00	0.13	0.13	0.00	0.12	0.12	436.53
Building Off Road Diesel	0.41	3.24	1.47	0.00	0.00	0.13	0.13	0.00	0.12	0.12	436.53
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2016	0.19	1.46	0.69	0.00	0.00	0.06	0.06	0.00	0.05	0.05	214.52
Building 05/01/2015-04/30/2016	0.19	1.46	0.69	0.00	0.00	0.06	0.06	0.00	0.05	0.05	214.52
Building Off Road Diesel	0.19	1.46	0.69	0.00	0.00	0.06	0.06	0.00	0.05	0.05	214.52
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Building Construction 5/1/2015 - 4/30/2016 - Default Building Construction Description

Off-Road Equipment:

1 Crawler Tractors (185 hp) operating at a 0.43 load factor for 8 hours per day

2 Generator Sets (30 hp) operating at a 0.74 load factor for 6 hours per day

2 Graders (185 hp) operating at a 0.41 load factor for 8 hours per day

0.3 Pavers (173 hp) operating at a 0.42 load factor for 6 hours per day

1 Rollers (350 hp) operating at a 0.38 load factor for 6 hours per day

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1 Rubber Tired Loaders (78 hp) operating at a 0.36 load factor for 6 hours per day

2 Scrapers (365 hp) operating at a 0.48 load factor for 8 hours per day

11/7/2011 2:30:09 PM

Urbemis 2007 Version 9.2.4

Detail Report for Summer Construction Unmitigated Emissions (Pounds/Day)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 11-7-2011\1. Construction\1-A Construction Equipment\Unit 2\3. Phase 2 - Grading and Earthwork\Unit 2 Phase 2 Grading Daily.urb924

Project Name: McCoy Unit 2 Phase 2 - Grading and Earthwork

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES (Summer Pounds Per Day, Unmitigated)

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10 Total	PM2.5 Dust	PM2.5 Exhaust	PM2.5 Total	CO2
Time Slice 5/1/2015-12/31/2015 Active Days: 175	**4.71**	**37.03**	**16.80**	**0.00**	**0.00**	**1.52**	**1.52**	**0.00**	**1.40**	**1.40**	**4,988.93**
Building 05/01/2015-04/30/2016	4.71	37.03	16.80	0.00	0.00	1.52	1.52	0.00	1.40	1.40	4,988.93
Building Off Road Diesel	4.71	37.03	16.80	0.00	0.00	1.52	1.52	0.00	1.40	1.40	4,988.93
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Time Slice 1/1/2016-4/29/2016 Active Days: 86	4.41	34.03	16.12	**0.00**	**0.00**	1.38	1.38	**0.00**	1.27	1.27	**4,988.93**
Building 05/01/2015-04/30/2016	4.41	34.03	16.12	0.00	0.00	1.38	1.38	0.00	1.27	1.27	4,988.93
Building Off Road Diesel	4.41	34.03	16.12	0.00	0.00	1.38	1.38	0.00	1.27	1.27	4,988.93
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Building Construction 5/1/2015 - 4/30/2016 - Default Building Construction Description

Off-Road Equipment:

1 Crawler Tractors (185 hp) operating at a 0.43 load factor for 8 hours per day

2 Generator Sets (30 hp) operating at a 0.74 load factor for 6 hours per day

2 Graders (185 hp) operating at a 0.41 load factor for 8 hours per day

0.3 Pavers (173 hp) operating at a 0.42 load factor for 6 hours per day

1 Rollers (350 hp) operating at a 0.38 load factor for 6 hours per day

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1 Rubber Tired Loaders (78 hp) operating at a 0.36 load factor for 6 hours per day

2 Scrapers (365 hp) operating at a 0.48 load factor for 8 hours per day

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Urbemis 2007 Version 9.2.4

Detail Report for Winter Construction Unmitigated Emissions (Pounds/Day)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 11-7-2011\1. Construction\1-A Construction Equipment\Unit 2\3. Phase 2 - Grading and Earthwork\Unit 2 Phase 2 Grading Daily.urb924

Project Name: McCoy Unit 2 Phase 2 - Grading and Earthwork

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES (Winter Pounds Per Day, Unmitigated)

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10 Total	PM2.5 Dust	PM2.5 Exhaust	PM2.5 Total	CO2
Time Slice 5/1/2015-12/31/2015 Active Days: 175	**4.71**	**37.03**	**16.80**	**0.00**	**0.00**	**1.52**	**1.52**	**0.00**	**1.40**	**1.40**	**4,988.93**
Building 05/01/2015-04/30/2016	4.71	37.03	16.80	0.00	0.00	1.52	1.52	0.00	1.40	1.40	4,988.93
Building Off Road Diesel	4.71	37.03	16.80	0.00	0.00	1.52	1.52	0.00	1.40	1.40	4,988.93
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Time Slice 1/1/2016-4/29/2016 Active Days: 86	4.41	34.03	16.12	**0.00**	**0.00**	1.38	1.38	**0.00**	1.27	1.27	**4,988.93**
Building 05/01/2015-04/30/2016	4.41	34.03	16.12	0.00	0.00	1.38	1.38	0.00	1.27	1.27	4,988.93
Building Off Road Diesel	4.41	34.03	16.12	0.00	0.00	1.38	1.38	0.00	1.27	1.27	4,988.93
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Building Construction 5/1/2015 - 4/30/2016 - Default Building Construction Description

Off-Road Equipment:

1 Crawler Tractors (185 hp) operating at a 0.43 load factor for 8 hours per day

2 Generator Sets (30 hp) operating at a 0.74 load factor for 6 hours per day

2 Graders (185 hp) operating at a 0.41 load factor for 8 hours per day

0.3 Pavers (173 hp) operating at a 0.42 load factor for 6 hours per day

1 Rollers (350 hp) operating at a 0.38 load factor for 6 hours per day

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1 Rubber Tired Loaders (78 hp) operating at a 0.36 load factor for 6 hours per day

2 Scrapers (365 hp) operating at a 0.48 load factor for 8 hours per day

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Urbemis 2007 Version 9.2.4

Detail Report for Annual Construction Unmitigated Emissions (Tons/Year)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 11-7-2011\1. Construction\1-A Construction Equipment\Unit 2\4. Phase 3 - PV Construction\Unit 2 Phase 3 PV Construction Daily.urb924

Project Name: Unit 2 Phase 3 PV Construction

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES (Annual Tons Per Year, Unmitigated)

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10 Total	PM2.5 Dust	PM2.5 Exhaust	PM2.5 Total	CO2
2015	0.20	1.24	0.82	0.00	0.00	0.08	0.08	0.00	0.08	0.08	156.24
Building 07/01/2015-10/31/2016	0.20	1.24	0.82	0.00	0.00	0.08	0.08	0.00	0.08	0.08	156.24
Building Off Road Diesel	0.20	1.24	0.82	0.00	0.00	0.08	0.08	0.00	0.08	0.08	156.24
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2016	0.31	1.88	1.33	0.00	0.00	0.12	0.12	0.00	0.11	0.11	256.85
Building 07/01/2015-10/31/2016	0.31	1.88	1.33	0.00	0.00	0.12	0.12	0.00	0.11	0.11	256.85
Building Off Road Diesel	0.31	1.88	1.33	0.00	0.00	0.12	0.12	0.00	0.11	0.11	256.85
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Building Construction 7/1/2015 - 10/31/2016 - Default Building Construction Description

Off-Road Equipment:

2 Air Compressors (25 hp) operating at a 0.48 load factor for 8 hours per day

1 Crawler Tractors (185 hp) operating at a 0.43 load factor for 4 hours per day

2 Generator Sets (30 hp) operating at a 0.74 load factor for 8 hours per day

1 Other Equipment (310 hp) operating at a 0.42 load factor for 6 hours per day

2 Rough Terrain Forklifts (99 hp) operating at a 0.4 load factor for 8 hours per day

11/7/2011 2:38:02 PM

1 Rubber Tired Loaders (78 hp) operating at a 0.36 load factor for 8 hours per day

1 Trenchers (115 hp) operating at a 0.5 load factor for 8 hours per day

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Urbemis 2007 Version 9.2.4

Detail Report for Summer Construction Unmitigated Emissions (Pounds/Day)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 11-7-2011\1. Construction\1-A Construction Equipment\Unit 2\4. Phase 3 - PV Construction\Unit 2 Phase 3 PV Construction Daily.urb924

Project Name: Unit 2 Phase 3 PV Construction

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES (Summer Pounds Per Day, Unmitigated)

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10 Total	PM2.5 Dust	PM2.5 Exhaust	PM2.5 Total	CO2
Time Slice 7/1/2015-12/31/2015 Active Days: 132	**3.07**	**18.71**	**12.43**	**0.00**	**0.00**	**1.25**	**1.25**	**0.00**	**1.15**	**1.15**	**2,367.29**
Building 07/01/2015-10/31/2016	3.07	18.71	12.43	0.00	0.00	1.25	1.25	0.00	1.15	1.15	2,367.29
Building Off Road Diesel	3.07	18.71	12.43	0.00	0.00	1.25	1.25	0.00	1.15	1.15	2,367.29
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Time Slice 1/1/2016-10/31/2016 Active Days: 217	2.84	17.37	12.26	**0.00**	**0.00**	1.14	1.14	**0.00**	1.05	1.05	**2,367.29**
Building 07/01/2015-10/31/2016	2.84	17.37	12.26	0.00	0.00	1.14	1.14	0.00	1.05	1.05	2,367.29
Building Off Road Diesel	2.84	17.37	12.26	0.00	0.00	1.14	1.14	0.00	1.05	1.05	2,367.29
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Building Construction 7/1/2015 - 10/31/2016 - Default Building Construction Description

Off-Road Equipment:

2 Air Compressors (25 hp) operating at a 0.48 load factor for 8 hours per day

1 Crawler Tractors (185 hp) operating at a 0.43 load factor for 4 hours per day

2 Generator Sets (30 hp) operating at a 0.74 load factor for 8 hours per day

1 Other Equipment (310 hp) operating at a 0.42 load factor for 6 hours per day

2 Rough Terrain Forklifts (99 hp) operating at a 0.4 load factor for 8 hours per day

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1 Rubber Tired Loaders (78 hp) operating at a 0.36 load factor for 8 hours per day

1 Trenchers (115 hp) operating at a 0.5 load factor for 8 hours per day

11/7/2011 2:37:38 PM

Urbemis 2007 Version 9.2.4

Detail Report for Winter Construction Unmitigated Emissions (Pounds/Day)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 11-7-2011\1. Construction\1-A Construction Equipment\Unit 2\4. Phase 3 - PV Construction\Unit 2 Phase 3 PV Construction Daily.urb924

Project Name: Unit 2 Phase 3 PV Construction

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES (Winter Pounds Per Day, Unmitigated)

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10 Total	PM2.5 Dust	PM2.5 Exhaust	PM2.5 Total	CO2
Time Slice 7/1/2015-12/31/2015 Active Days: 132	**3.07**	**18.71**	**12.43**	**0.00**	**0.00**	**1.25**	**1.25**	**0.00**	**1.15**	**1.15**	**2,367.29**
Building 07/01/2015-10/31/2016	3.07	18.71	12.43	0.00	0.00	1.25	1.25	0.00	1.15	1.15	2,367.29
Building Off Road Diesel	3.07	18.71	12.43	0.00	0.00	1.25	1.25	0.00	1.15	1.15	2,367.29
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Time Slice 1/1/2016-10/31/2016 Active Days: 217	2.84	17.37	12.26	**0.00**	**0.00**	1.14	1.14	**0.00**	1.05	1.05	**2,367.29**
Building 07/01/2015-10/31/2016	2.84	17.37	12.26	0.00	0.00	1.14	1.14	0.00	1.05	1.05	2,367.29
Building Off Road Diesel	2.84	17.37	12.26	0.00	0.00	1.14	1.14	0.00	1.05	1.05	2,367.29
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Building Construction 7/1/2015 - 10/31/2016 - Default Building Construction Description

Off-Road Equipment:

2 Air Compressors (25 hp) operating at a 0.48 load factor for 8 hours per day

1 Crawler Tractors (185 hp) operating at a 0.43 load factor for 4 hours per day

2 Generator Sets (30 hp) operating at a 0.74 load factor for 8 hours per day

1 Other Equipment (310 hp) operating at a 0.42 load factor for 6 hours per day

2 Rough Terrain Forklifts (99 hp) operating at a 0.4 load factor for 8 hours per day

11/7/2011 2:37:38 PM

1 Rubber Tired Loaders (78 hp) operating at a 0.36 load factor for 8 hours per day

1 Trenchers (115 hp) operating at a 0.5 load factor for 8 hours per day

10/20/2011 1:32:19 PM

Urbemis 2007 Version 9.2.4

Detail Report for Annual Construction Unmitigated Emissions (Tons/Year)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 10-18-2011\1. Construction\1-A Construction Equipment\Unit 2\5. Phase 4 - Bldg Construction\Unit 2 Phase 4 Bldg Const Daily.urb924

Project Name: Unit 2 Phase 4 - Building and Substation Construction

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES (Annual Tons Per Year, Unmitigated)

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10 Total	PM2.5 Dust	PM2.5 Exhaust	PM2.5 Total	CO2
2015	0.02	0.14	0.08	0.00	0.00	0.01	0.01	0.00	0.01	0.01	16.74
Building 08/01/2015-10/31/2015	0.02	0.14	0.08	0.00	0.00	0.01	0.01	0.00	0.01	0.01	16.74
Building Off Road Diesel	0.02	0.14	0.08	0.00	0.00	0.01	0.01	0.00	0.01	0.01	16.74
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Building Construction 8/1/2015 - 10/31/2015 - Default Building Construction Description

Off-Road Equipment:

1 Air Compressors (25 hp) operating at a 0.48 load factor for 6 hours per day

1 Cranes (250 hp) operating at a 0.29 load factor for 6 hours per day

1 Generator Sets (30 hp) operating at a 0.74 load factor for 6 hours per day

1 Rubber Tired Loaders (78 hp) operating at a 0.36 load factor for 6 hours per day

10/20/2011 1:31:48 PM

Urbemis 2007 Version 9.2.4

Detail Report for Summer Construction Unmitigated Emissions (Pounds/Day)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 10-18-2011\1. Construction\1-A Construction Equipment\Unit 2\5. Phase 4 - Bldg Construction\Unit 2 Phase 4 Bldg Const Daily.urb924

Project Name: Unit 2 Phase 4 - Building and Substation Construction

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES (Summer Pounds Per Day, Unmitigated)

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10 Total	PM2.5 Dust	PM2.5 Exhaust	PM2.5 Total	CO2
Time Slice 8/3/2015-10/30/2015 Active Days: 65	**0.70**	**4.17**	**2.54**	**0.00**	**0.00**	**0.24**	**0.24**	**0.00**	**0.22**	**0.22**	**515.14**
Building 08/01/2015-10/31/2015	0.70	4.17	2.54	0.00	0.00	0.24	0.24	0.00	0.22	0.22	515.14
Building Off Road Diesel	0.70	4.17	2.54	0.00	0.00	0.24	0.24	0.00	0.22	0.22	515.14
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Building Construction 8/1/2015 - 10/31/2015 - Default Building Construction Description

Off-Road Equipment:

1 Air Compressors (25 hp) operating at a 0.48 load factor for 6 hours per day

1 Cranes (250 hp) operating at a 0.29 load factor for 6 hours per day

1 Generator Sets (30 hp) operating at a 0.74 load factor for 6 hours per day

1 Rubber Tired Loaders (78 hp) operating at a 0.36 load factor for 6 hours per day

10/20/2011 1:32:02 PM

Urbemis 2007 Version 9.2.4

Detail Report for Winter Construction Unmitigated Emissions (Pounds/Day)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 10-18-2011\1. Construction\1-A Construction Equipment\Unit 2\5. Phase 4 - Bldg Construction\Unit 2 Phase 4 Bldg Const Daily.urb924

Project Name: Unit 2 Phase 4 - Building and Substation Construction

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES (Winter Pounds Per Day, Unmitigated)

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10 Total	PM2.5 Dust	PM2.5 Exhaust	PM2.5 Total	CO2
Time Slice 8/3/2015-10/30/2015 Active Days: 65	**0.70**	**4.17**	**2.54**	**0.00**	**0.00**	**0.24**	**0.24**	**0.00**	**0.22**	**0.22**	**515.14**
Building 08/01/2015-10/31/2015	0.70	4.17	2.54	0.00	0.00	0.24	0.24	0.00	0.22	0.22	515.14
Building Off Road Diesel	0.70	4.17	2.54	0.00	0.00	0.24	0.24	0.00	0.22	0.22	515.14
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Building Construction 8/1/2015 - 10/31/2015 - Default Building Construction Description

Off-Road Equipment:

1 Air Compressors (25 hp) operating at a 0.48 load factor for 6 hours per day

1 Cranes (250 hp) operating at a 0.29 load factor for 6 hours per day

1 Generator Sets (30 hp) operating at a 0.74 load factor for 6 hours per day

1 Rubber Tired Loaders (78 hp) operating at a 0.36 load factor for 6 hours per day

11/7/2011 2:42:27 PM

Urbemis 2007 Version 9.2.4

Detail Report for Annual Construction Unmitigated Emissions (Tons/Year)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 11-7-2011\1. Construction\1-A Construction Equipment\Unit 2\6. Phase 6 - Testing and Commissioning\Unit 2 Phase 6 Testing and Commissioning.urb924

Project Name: McCoy Unit 2 Phase 6 - Testing and Commissioning

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES (Annual Tons Per Year, Unmitigated)

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10 Total	PM2.5 Dust	PM2.5 Exhaust	PM2.5 Total	CO2
2016	0.05	0.18	0.09	0.00	0.00	0.01	0.01	0.00	0.01	0.01	32.15
Asphalt 10/01/2016-11/30/2016	0.03	0.04	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.83
Paving Off-Gas	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving On Road Diesel	0.00	0.04	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.83
Paving Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building 10/01/2016-11/30/2016	0.02	0.13	0.07	0.00	0.00	0.01	0.01	0.00	0.01	0.01	19.32
Building Off Road Diesel	0.02	0.13	0.07	0.00	0.00	0.01	0.01	0.00	0.01	0.01	19.32
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Paving 10/1/2016 - 11/30/2016 - Default Paving Description

Acres to be Paved: 22

Off-Road Equipment:

Phase: Building Construction 10/1/2016 - 11/30/2016 - Default Building Construction Description

Off-Road Equipment:

1 Pavers (173 hp) operating at a 0.42 load factor for 6 hours per day

11/7/2011 2:42:27 PM

1 Rollers (350 hp) operating at a 0.38 load factor for 6 hours per day

11/7/2011 2:41:13 PM

Urbemis 2007 Version 9.2.4

Detail Report for Summer Construction Unmitigated Emissions (Pounds/Day)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 11-7-2011\1. Construction\1-A Construction Equipment\Unit 2\6. Phase 6 - Testing and Commissioning\Unit 2 Phase 6 Testing and Commissioning.urb924

Project Name: McCoy Unit 2 Phase 6 - Testing and Commissioning

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES (Summer Pounds Per Day, Unmitigated)

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10 Total	PM2.5 Dust	PM2.5 Exhaust	PM2.5 Total	CO2
Time Slice 10/3/2016-11/30/2016 Active Days: 43	**2.23**	**8.29**	**4.16**	**0.01**	**0.02**	**0.34**	**0.37**	**0.01**	**0.32**	**0.32**	**1,495.29**
Asphalt 10/01/2016-11/30/2016	1.48	2.07	0.78	0.01	0.02	0.08	0.10	0.01	0.07	0.08	596.76
Paving Off-Gas	1.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving On Road Diesel	0.17	2.07	0.78	0.01	0.02	0.08	0.10	0.01	0.07	0.08	596.76
Paving Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building 10/01/2016-11/30/2016	0.75	6.21	3.38	0.00	0.00	0.27	0.27	0.00	0.25	0.25	898.53
Building Off Road Diesel	0.75	6.21	3.38	0.00	0.00	0.27	0.27	0.00	0.25	0.25	898.53
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Paving 10/1/2016 - 11/30/2016 - Default Paving Description

Acres to be Paved: 22

Off-Road Equipment:

Phase: Building Construction 10/1/2016 - 11/30/2016 - Default Building Construction Description

Off-Road Equipment:

1 Pavers (173 hp) operating at a 0.42 load factor for 6 hours per day

11/7/2011 2:41:13 PM

1 Rollers (350 hp) operating at a 0.38 load factor for 6 hours per day

11/7/2011 2:41:38 PM

Urbemis 2007 Version 9.2.4

Detail Report for Winter Construction Unmitigated Emissions (Pounds/Day)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 11-7-2011\1. Construction\1-A Construction Equipment\Unit 2\6. Phase 6 - Testing and Commissioning\Unit 2 Phase 6 Testing and Commissioning.urb924

Project Name: McCoy Unit 2 Phase 6 - Testing and Commissioning

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES (Winter Pounds Per Day, Unmitigated)

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10 Total	PM2.5 Dust	PM2.5 Exhaust	PM2.5 Total	CO2
Time Slice 10/3/2016-11/30/2016 Active Days: 43	**2.23**	**8.29**	**4.16**	**0.01**	**0.02**	**0.34**	**0.37**	**0.01**	**0.32**	**0.32**	**1,495.29**
Asphalt 10/01/2016-11/30/2016	1.48	2.07	0.78	0.01	0.02	0.08	0.10	0.01	0.07	0.08	596.76
Paving Off-Gas	1.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving On Road Diesel	0.17	2.07	0.78	0.01	0.02	0.08	0.10	0.01	0.07	0.08	596.76
Paving Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building 10/01/2016-11/30/2016	0.75	6.21	3.38	0.00	0.00	0.27	0.27	0.00	0.25	0.25	898.53
Building Off Road Diesel	0.75	6.21	3.38	0.00	0.00	0.27	0.27	0.00	0.25	0.25	898.53
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Paving 10/1/2016 - 11/30/2016 - Default Paving Description

Acres to be Paved: 22

Off-Road Equipment:

Phase: Building Construction 10/1/2016 - 11/30/2016 - Default Building Construction Description

Off-Road Equipment:

1 Pavers (173 hp) operating at a 0.42 load factor for 6 hours per day

11/7/2011 2:41:38 PM

1 Rollers (350 hp) operating at a 0.38 load factor for 6 hours per day

Attachment 1-B

Construction Fugitive Dust

10/20/2011 3:08:30 PM

Urbemis 2007 Version 9.2.4

Detail Report for Summer Construction Unmitigated Emissions (Pounds/Day)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 10-18-2011\1. Construction\1-B Fugitive Dust\McCoy Fugitive Dust.urb924

Project Name: McCoy Fugitive Dust

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES (Summer Pounds Per Day, Unmitigated)

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10 Total	PM2.5 Dust	PM2.5 Exhaust	PM2.5 Total	CO2
Time Slice 3/1/2013-12/31/2013 Active Days: 218	**0.00**	**0.00**	**0.00**	**0.00**	**112.42**	**0.00**	**112.42**	**23.48**	**0.00**	**23.48**	**0.00**
Mass Grading 03/01/2013-11/30/2016	0.00	0.00	0.00	0.00	112.42	0.00	112.42	23.48	0.00	23.48	0.00
Mass Grading Dust	0.00	0.00	0.00	0.00	112.42	0.00	112.42	23.48	0.00	23.48	0.00
Mass Grading Off Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Time Slice 1/1/2014-12/31/2014 Active Days: 261	**0.00**	**0.00**	**0.00**	**0.00**	**112.42**	**0.00**	**112.42**	**23.48**	**0.00**	**23.48**	**0.00**
Mass Grading 03/01/2013-11/30/2016	0.00	0.00	0.00	0.00	112.42	0.00	112.42	23.48	0.00	23.48	0.00
Mass Grading Dust	0.00	0.00	0.00	0.00	112.42	0.00	112.42	23.48	0.00	23.48	0.00
Mass Grading Off Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Time Slice 1/1/2015-12/31/2015 Active Days: 261	**0.00**	**0.00**	**0.00**	**0.00**	**112.42**	**0.00**	**112.42**	**23.48**	**0.00**	**23.48**	**0.00**
Mass Grading 03/01/2013-11/30/2016	0.00	0.00	0.00	0.00	112.42	0.00	112.42	23.48	0.00	23.48	0.00
Mass Grading Dust	0.00	0.00	0.00	0.00	112.42	0.00	112.42	23.48	0.00	23.48	0.00
Mass Grading Off Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Time Slice 1/1/2016-11/30/2016 Active Days: 239	**0.00**	**0.00**	**0.00**	**0.00**	**112.42**	**0.00**	**112.42**	**23.48**	**0.00**	**23.48**	**0.00**
Mass Grading 03/01/2013-11/30/2016	0.00	0.00	0.00	0.00	112.42	0.00	112.42	23.48	0.00	23.48	0.00
Mass Grading Dust	0.00	0.00	0.00	0.00	112.42	0.00	112.42	23.48	0.00	23.48	0.00
Mass Grading Off Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Mass Grading 3/1/2013 - 11/30/2016 - Default Fine Site Grading Description

Total Acres Disturbed: 0

Maximum Daily Acreage Disturbed: 9.2

Fugitive Dust Level of Detail: Default

12.22 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

10/20/2011 3:08:46 PM

Urbemis 2007 Version 9.2.4

Detail Report for Winter Construction Unmitigated Emissions (Pounds/Day)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 10-18-2011\1. Construction\1-B Fugitive Dust\McCoy Fugitive Dust.urb924

Project Name: McCoy Fugitive Dust

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES (Winter Pounds Per Day, Unmitigated)

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10 Total	PM2.5 Dust	PM2.5 Exhaust	PM2.5 Total	CO2
Time Slice 3/1/2013-12/31/2013 Active Days: 218	**0.00**	**0.00**	**0.00**	**0.00**	**112.42**	**0.00**	**112.42**	**23.48**	**0.00**	**23.48**	**0.00**
Mass Grading 03/01/2013-11/30/2016	0.00	0.00	0.00	0.00	112.42	0.00	112.42	23.48	0.00	23.48	0.00
Mass Grading Dust	0.00	0.00	0.00	0.00	112.42	0.00	112.42	23.48	0.00	23.48	0.00
Mass Grading Off Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Time Slice 1/1/2014-12/31/2014 Active Days: 261	**0.00**	**0.00**	**0.00**	**0.00**	**112.42**	**0.00**	**112.42**	**23.48**	**0.00**	**23.48**	**0.00**
Mass Grading 03/01/2013-11/30/2016	0.00	0.00	0.00	0.00	112.42	0.00	112.42	23.48	0.00	23.48	0.00
Mass Grading Dust	0.00	0.00	0.00	0.00	112.42	0.00	112.42	23.48	0.00	23.48	0.00
Mass Grading Off Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Time Slice 1/1/2015-12/31/2015 Active Days: 261	**0.00**	**0.00**	**0.00**	**0.00**	**112.42**	**0.00**	**112.42**	**23.48**	**0.00**	**23.48**	**0.00**
Mass Grading 03/01/2013-11/30/2016	0.00	0.00	0.00	0.00	112.42	0.00	112.42	23.48	0.00	23.48	0.00
Mass Grading Dust	0.00	0.00	0.00	0.00	112.42	0.00	112.42	23.48	0.00	23.48	0.00
Mass Grading Off Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Time Slice 1/1/2016-11/30/2016 Active Days: 239	**0.00**	**0.00**	**0.00**	**0.00**	**112.42**	**0.00**	**112.42**	**23.48**	**0.00**	**23.48**	**0.00**
Mass Grading 03/01/2013-11/30/2016	0.00	0.00	0.00	0.00	112.42	0.00	112.42	23.48	0.00	23.48	0.00
Mass Grading Dust	0.00	0.00	0.00	0.00	112.42	0.00	112.42	23.48	0.00	23.48	0.00
Mass Grading Off Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Mass Grading 3/1/2013 - 11/30/2016 - Default Fine Site Grading Description

Total Acres Disturbed: 0

Maximum Daily Acreage Disturbed: 9.2

Fugitive Dust Level of Detail: Default

12.22 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

Daily and Annual Fugitive Dust Emissions															
Area Disturbed Daily	Area Disturbed Daily (acres/day)														
Schedule	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15
Month-Year	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14
Working Days/Month	21	22	23	20	23	22	21	23	21	22	23	20	21	22	22
Phase 1 (acres/day)	4	4	4	4	4	4	4	4	4	4	0	0	0	0	0
Phase 2 (acres/day)	0	0	4	4	4	4	4	4	4	4	4	4	4	4	0
Phase 3 (acres/day)	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1
Phase 4 (acres/day)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 5 (acres/day)	0	0	0	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0
Phase 6 (acres/day)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Daily Acres Disturbed	4	4	8	8	9	9.2	9.2	9.2	9.2	9.2	5.2	5.2	5.2	5	1
Total Monthly Acres Disturbed	84	88	184	160	207	202.4	193.2	211.6	193.2	202.4	119.6	104	109.2	110	22
Maximum Daily Area Disturbed	9.20	acres/day													
PM10 Emission Factor	12.22	lb/acre													
Schedule	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15
Daily Emissions (lb/day)	48.88	48.88	97.76	97.76	109.98	112.42	112.42	112.42	112.42	112.42	63.54	63.54	63.54	61.10	12.22
Monthly Emissions (lb/Month)	1026	1075	2248	1955	2530	2473	2361	2586	2361	2473	1462	1271	1334	1344	269
Maximum Daily Emissions	112.42	lb/day													
Annual PM10 Emissions Emissions															
Year 2013	10.54	tons/year													
Year 2014	3.77	tons/year													
Year 2015	10.69	tons/year													
Year 2016	3.56	tons/year													

Daily and Annual Fugitive Dust Emissions													
Area Disturbed Daily	Area Disturbed Daily (acres/day)												
Schedule	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28
Month-Year	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15
Working Days/Month	21	23	21	22	23	20	23	22	20	22	22	21	22
Phase 1 (acres/day)	0	0	0	0	0	0	0	0	0	4	4	4	4
Phase 2 (acres/day)	0	0	0	0	0	0	0	0	0	0	0	4	4
Phase 3 (acres/day)	1	1	1	1	1	1	1	1	1	0	0	0	0
Phase 4 (acres/day)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 5 (acres/day)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 6 (acres/day)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Daily Acres Disturbed	1	1	1	1	1	1	1	1	1	4	4	8	8
Total Monthly Acres Disturbed	21	23	21	22	23	20	23	22	20	88	88	168	176
Maximum Daily Area Disturbed													
PM10 Emission Factor													
Schedule	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28
Daily Emissions (lb/day)	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	48.88	48.88	97.76	97.76
Monthly Emissions (lb/Month)	257	281	257	269	281	244	281	269	244	1075	1075	2053	2151
Maximum Daily Emissions													
Annual PM10 Emissions Emissions													
Year 2013													
Year 2014													
Year 2015													
Year 2016													

Daily and Annual Fugitive Dust Emissions													
Area Disturbed Daily	Area Disturbed Daily (acres/day)												
Schedule	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41
Month-Year	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16
Working Days/Month	23	21	22	22	21	23	21	21	23	21	22	22	21
Phase 1 (acres/day)	4	4	4	4	4	4	0	0	0	0	0	0	0
Phase 2 (acres/day)	4	4	4	4	4	4	4	4	4	4	0	0	0
Phase 3 (acres/day)	1	1	1	1	1	1	1	1	1	1	1	1	1
Phase 4 (acres/day)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 5 (acres/day)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 6 (acres/day)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Daily Acres Disturbed	9	9	9	9	9	9	5	5	5	5	1	1	1
Total Monthly Acres Disturbed	207	189	198	198	189	207	105	105	115	105	22	22	21
Maximum Daily Area Disturbed													
PM10 Emission Factor													
Schedule	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41
Daily Emissions (lb/day)	109.98	109.98	109.98	109.98	109.98	109.98	61.10	61.10	61.10	61.10	12.22	12.22	12.22
Monthly Emissions (lb/Month)	2530	2310	2420	2420	2310	2530	1283	1283	1405	1283	269	269	257
Maximum Daily Emissions													
Annual PM10 Emissions Emissions													
Year 2013													
Year 2014													
Year 2015													
Year 2016													

Daily and Annual Fugitive Dust Emissions					
Area Disturbed Daily	Area Disturbed Daily (acres/day)				
Schedule	Month 42	Month 43	Month 44	Month 45	Month 46
Month-Year	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
Working Days/Month	23	22	21	22	22
Phase 1 (acres/day)	0	0	0	0	0
Phase 2 (acres/day)	0	0	0	0	0
Phase 3 (acres/day)	1	1	1	0	0
Phase 4 (acres/day)	0	0	0	0	0
Phase 5 (acres/day)	0	0	0	0	0
Phase 6 (acres/day)	0	0	0.5	0.5	0
Total Daily Acres Disturbed	1	1	1.5	0.5	0
Total Monthly Acres Disturbed	23	22	31.5	11	0
Maximum Daily Area Disturbed					
PM10 Emission Factor					
Schedule	Month 42	Month 43	Month 44	Month 45	Month 46
Daily Emissions (lb/day)	12.22	12.22	18.33	6.11	0.00
Monthly Emissions (lb/Month)	281	269	385	134	0
Maximum Daily Emissions					
Annual PM10 Emissions Emissions					
Year 2013					
Year 2014					
Year 2015					
Year 2016					

Attachment 1-C

Construction Vehicles Emissions

Table 1-A EMFAC Emission Factors														
	Emission Factors[a]													
Vehicle Class	CO (lb/mi)	VOC (lb/mi)	NO_x (lb/mi)	SO_x (lb/mi)	PM10 Exh (lb/mi)	PM10 Tire (lb/mi)	PM10 Brake (lb/mi)	PM10 Tire + Brake (lb/mi)	PM2.5 Exh[b] (lb/mi)	PM2.5 Tire[b] (lb/mi)	PM2.5 Brake[b] (lb/mi)	PM2.5 Tire + Brake[b] (lb/mi)	CO_2 (kg/mi)	CO_2e (kg/mi)
LDA-NCAT	1.92E-01	2.57E-02	1.08E-02	0.00E+00	8.33E-05	0.00E+00	0.00E+00	0.00E+00	6.30E-05	0.00E+00	0.00E+00	0.00E+00	5.30E-01	5.52E-01
LDA-CAT	5.87E-03	3.92E-04	5.44E-04	8.12E-06	3.58E-05	1.77E-05	2.77E-05	4.54E-05	3.32E-05	4.42E-06	1.19E-05	1.63E-05	3.78E-01	3.81E-01
LDA-DSL	1.56E-03	2.22E-04	3.56E-03	0.00E+00	2.22E-04	0.00E+00	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	0.00E+00	3.67E-01	3.67E-01
LDT1-NCAT	1.96E-01	2.24E-02	1.07E-02	0.00E+00	6.67E-05	0.00E+00	0.00E+00	0.00E+00	5.04E-05	0.00E+00	0.00E+00	0.00E+00	5.37E-01	5.71E-01
LDT1-CAT	1.10E-02	7.33E-04	1.04E-03	1.06E-05	4.30E-05	1.74E-05	2.79E-05	4.53E-05	3.99E-05	4.34E-06	1.20E-05	1.63E-05	4.76E-01	4.80E-01
LDT1-DSL	1.19E-03	1.51E-04	3.50E-03	0.00E+00	1.01E-04	1.68E-05	3.36E-05	5.04E-05	9.28E-05	4.20E-06	1.44E-05	1.86E-05	3.45E-01	3.46E-01
LDT2-NCAT	1.98E-01	2.28E-02	1.09E-02	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	5.40E-01	5.74E-01
LDT2-CAT	8.48E-03	5.44E-04	1.14E-03	1.04E-05	8.25E-05	1.78E-05	2.77E-05	4.54E-05	7.66E-05	4.44E-06	1.19E-05	1.63E-05	4.75E-01	4.78E-01
LDT2-DSL	1.43E-03	2.86E-04	3.43E-03	0.00E+00	2.86E-04	0.00E+00	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	0.00E+00	3.53E-01	3.53E-01
MDV-NCAT	3.70E-01	2.40E-02	1.80E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-01	6.92E-01
MDV-CAT	8.17E-03	5.47E-04	1.19E-03	1.37E-05	7.60E-05	1.80E-05	2.75E-05	4.54E-05	7.06E-05	4.49E-06	1.18E-05	1.63E-05	6.50E-01	6.53E-01
MDV-DSL	1.33E-03	0.00E+00	3.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-01	3.66E-01
LHD1-CAT	8.67E-03	1.16E-03	3.06E-03	1.48E-05	1.48E-05	2.95E-05	2.95E-05	5.90E-05	1.37E-05	7.38E-06	1.27E-05	2.00E-05	7.31E-01	7.37E-01
LHD1-DSL	1.47E-03	2.17E-04	9.66E-03	0.00E+00	4.82E-05	2.41E-05	2.41E-05	4.82E-05	4.43E-05	6.02E-06	1.03E-05	1.64E-05	5.20E-01	5.21E-01
LHD2-CAT	1.47E-02	2.61E-03	4.17E-03	2.90E-05	2.90E-05	2.90E-05	2.90E-05	5.80E-05	2.69E-05	7.25E-06	1.24E-05	1.97E-05	7.34E-01	7.40E-01
LHD2-DSL	1.71E-03	2.94E-04	1.28E-02	0.00E+00	5.88E-05	2.94E-05	2.94E-05	5.88E-05	5.41E-05	7.35E-06	1.26E-05	2.00E-05	5.31E-01	5.33E-01
MHD-CAT	3.89E-02	2.94E-03	6.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-01	7.15E-01
MHD-DSL	3.80E-03	3.12E-04	1.62E-02	3.23E-05	3.76E-04	2.15E-05	3.23E-05	5.38E-05	3.46E-04	5.38E-06	1.38E-05	1.92E-05	1.51E+00	1.51E+00
HHD-CAT	1.11E-01	3.71E-03	1.80E-02	0.00E+00	4.76E-05	4.76E-05	4.76E-05	9.52E-05	4.42E-05	1.19E-05	2.04E-05	3.23E-05	6.72E-01	6.78E-01
HHD-DSL	7.62E-03	1.90E-03	2.52E-02	3.88E-05	1.13E-03	7.91E-05	6.24E-05	1.41E-04	1.04E-03	1.98E-05	2.67E-05	4.65E-05	1.85E+00	1.85E+00
OBUS-CAT	8.46E-02	5.14E-03	1.80E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-01	7.60E-01
OBUS-DSL	3.71E-03	2.86E-04	1.63E-02	0.00E+00	2.86E-04	0.00E+00	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	0.00E+00	1.41E+00	1.41E+00
SBUS-CAT	5.00E-02	6.00E-03	6.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-01	6.49E-01
SBUS-DSL	1.02E-02	1.12E-03	2.88E-02	5.88E-05	1.41E-03	0.00E+00	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	0.00E+00	1.57E+00	1.57E+00
UBUS-CAT	3.42E-02	4.22E-03	8.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-01	7.46E-01
UBUS-DSL	3.71E-03	8.57E-04	1.74E-02	0.00E+00	2.86E-04	0.00E+00	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	0.00E+00	2.26E+00	2.27E+00
MH-NCAT	2.61E-01	7.00E-03	7.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-01	5.65E-01
MH-CAT	2.05E-02	5.38E-04	3.21E-03	2.56E-05	0.00E+00	2.56E-05	2.56E-05	5.13E-05	0.00E+00	6.41E-06	1.10E-05	1.74E-05	6.74E-01	6.74E-01
MH-DSL	1.80E-03	2.00E-04	2.32E-02	0.00E+00	2.00E-04	0.00E+00	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	0.00E+00	1.45E+00	1.45E+00
MCY-NCAT	1.44E-01	1.07E-02	3.17E-03	0.00E+00	1.42E-04	1.09E-05	1.09E-05	2.19E-05	1.07E-04	2.73E-06	4.69E-06	7.42E-06	1.23E-01	1.23E-01
MCY-CAT	3.15E-02	6.94E-03	2.46E-03	0.00E+00	1.06E-05	1.06E-05	1.06E-05	2.12E-05	9.82E-06	2.65E-06	4.54E-06	7.19E-06	2.05E-01	2.05E-01

Notes:

[a] Emission factors, except PM2.5, calculated by dividing total emissions [lb/day] from BURDEN output of EMFAC2007, version 2.3, by total VMT [mi/day] from BURDEN output.

Emission Factor (lb/mile) = Burden Emissions (Tons/day)* 2000 (lb/ton)/ Burden VMT (1000 mi/day)

[b] PM2.5 emission factors by mass fractions in table below.

Table 1-B PM2.5 Mass Fractions of PM10		
PM10 Category	Tech.	PM2.5 Fraction[c]
Exhaust	CAT	0.928
Exhaust	NCAT	0.756
Exhaust	DSL	0.920
Tire Wear	N/A	0.250
Brake Wear	N/A	0.429

Notes:

[c] From Appendix A, Final–Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, SCAQMD, October 2006.
http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Table 1-C On-Road Vehicle CH_4 and N_2O Emission Factors			
	EF (g/mi)		
Vehicle Class	N_2O	CH_4	Table Entry
LDA-NCAT	0.0647	0.0704	Gasoline Passenger Cars, Model Years 1984-1993
LDA-CAT	0.0079	0.0147	Gasoline Passenger Cars, Model Year 2005
LDA-DSL	0.0010	0.0005	Diesel Passenger Cars, Model Years 1983-2004
LDT1-NCAT	0.1035	0.0813	Gasoline Light Trucks, Model Years 1987-1993
LDT1-CAT	0.0101	0.0157	Gasoline Light Trucks, Model Year 2005
LDT1-DSL	0.0015	0.0010	Light Duty Diesel Trucks, Model Years 1996-2004
LDT2-NCAT	0.1035	0.0813	Gasoline Light Trucks, Model Years 1987-1993
LDT2-CAT	0.0101	0.0157	Gasoline Light Trucks, Model Year 2005
LDT2-DSL	0.0015	0.0010	Light Duty Diesel Trucks, Model Years 1996-2004
MDV-NCAT	0.1035	0.0813	Gasoline Light Trucks, Model Years 1987-1993
MDV-CAT	0.0101	0.0157	Gasoline Light Trucks, Model Year 2005
MDV-DSL	0.0015	0.0010	Light Duty Diesel Trucks, Model Years 1996-2004
LHD1-NCAT	0.0515	0.4090	Gasoline Heavy Duty Vehicles, Model Years 1985-1996
LHD1-CAT	0.0177	0.0326	Gasoline Heavy Duty Vehicles, Model Year 2005
LHD1-DSL	0.0048	0.0051	Diesel Heavy Duty Vehicles, All Model Years
LHD2-NCAT	0.0515	0.4090	Gasoline Heavy Duty Vehicles, Model Years 1985-1996
LHD2-CAT	0.0177	0.0326	Gasoline Heavy Duty Vehicles, Model Year 2005
LHD2-DSL	0.0048	0.0051	Diesel Heavy Duty Vehicles, All Model Years
MHD-NCAT	0.0515	0.4090	Gasoline Heavy Duty Vehicles, Model Years 1985-1996
MHD-CAT	0.0177	0.0326	Gasoline Heavy Duty Vehicles, Model Year 2005
MHD-DSL	0.0048	0.0051	Diesel Heavy Duty Vehicles, All Model Years
HHD-NCAT	0.0515	0.4090	Gasoline Heavy Duty Vehicles, Model Years 1985-1996
HHD-CAT	0.0177	0.0326	Gasoline Heavy Duty Vehicles, Model Year 2005
HHD-DSL	0.0048	0.0051	Diesel Heavy Duty Vehicles, All Model Years
OBUS-NCAT	0.0515	0.4090	Gasoline Heavy Duty Vehicles, Model Years 1985-1996
OBUS-CAT	0.0177	0.0326	Gasoline Heavy Duty Vehicles, Model Year 2005
OBUS-DSL	0.0048	0.0051	Diesel Heavy Duty Vehicles, All Model Years
SBUS-NCAT	0.0515	0.4090	Gasoline Heavy Duty Vehicles, Model Years 1985-1996
SBUS-CAT	0.0177	0.0326	Gasoline Heavy Duty Vehicles, Model Year 2005
SBUS-DSL	0.0048	0.0051	Diesel Heavy Duty Vehicles, All Model Years
UBUS-NCAT	0.0515	0.4090	Gasoline Heavy Duty Vehicles, Model Years 1985-1996
UBUS-CAT	0.0177	0.0326	Gasoline Heavy Duty Vehicles, Model Year 2005
UBUS-DSL	0.0048	0.0051	Diesel Heavy Duty Vehicles, All Model Years

Source: ARB Regulation for The Mandatory Reporting of Greenhouse Gas Emissions, Appendix A, Table 8

Table 2 Construction Vehicle Emission Factors								
Vehicle Type	Vehicle Class	Emission Factors						
		CO (lb/mi)	VOC (lb/mi)	NOx (lb/mi)	SOx (lb/mi)	PM10 (lb/mi)	PM2.5 (lb/mi)	CO_2e (kg/mi)
On-Site Pick Up Truck	MDV-CAT	8.17E-03	5.47E-04	1.19E-03	1.37E-05	1.21E-04	8.68E-05	6.53E-01
On-Site Flatbed Delivery Truck	HHD-DSL	7.62E-03	1.90E-03	2.52E-02	3.88E-05	1.27E-03	1.09E-03	1.85E+00
On-Site Water Truck	HHD-DSL	7.62E-03	1.90E-03	2.52E-02	3.88E-05	1.27E-03	1.09E-03	1.85E+00
On-Site Service Truck	HHD-DSL	7.62E-03	1.90E-03	2.52E-02	3.88E-05	1.27E-03	1.09E-03	1.85E+00
On-Site Dump Truck	HHD-DSL	7.62E-03	1.90E-03	2.52E-02	3.88E-05	1.27E-03	1.09E-03	1.85E+00
On-Site 2200 gal Water Trucks	MHD-DSL	3.80E-03	3.12E-04	1.62E-02	3.23E-05	4.30E-04	3.65E-04	1.51E+00
On-Site 4000 gal Water Truck	HHD-DSL	7.62E-03	1.90E-03	2.52E-02	3.88E-05	1.27E-03	1.09E-03	1.85E+00
On-Site Heavy Duty Pick Up Truck	LHD1-DSL	1.47E-03	2.17E-04	9.66E-03	0.00E+00	9.64E-05	6.07E-05	5.21E-01
On-Site Lube/Fuel Truck	MHD-DSL	3.80E-03	3.12E-04	1.62E-02	3.23E-05	4.30E-04	3.65E-04	1.51E+00
On-Site Concrete Truck	HHD-DSL	7.62E-03	1.90E-03	2.52E-02	3.88E-05	1.27E-03	1.09E-03	1.85E+00
Off-Site Flat Bed Trucks	HHD-DSL	7.62E-03	1.90E-03	2.52E-02	3.88E-05	1.27E-03	1.09E-03	1.85E+00
Off-Site Water Trucks	HHD-DSL	7.62E-03	1.90E-03	2.52E-02	3.88E-05	1.27E-03	1.09E-03	1.85E+00
Off-Site Fuel & Lube	MHD-DSL	3.80E-03	3.12E-04	1.62E-02	3.23E-05	4.30E-04	3.65E-04	1.51E+00
Off-Site Fencing Trucks	HHD-DSL	7.62E-03	1.90E-03	2.52E-02	3.88E-05	1.27E-03	1.09E-03	1.85E+00
Off-Site Porto-Let Truck	MHD-DSL	3.80E-03	3.12E-04	1.62E-02	3.23E-05	4.30E-04	3.65E-04	1.51E+00
Off-Site Gravel Rock/AC trucks	HHD-DSL	7.62E-03	1.90E-03	2.52E-02	3.88E-05	1.27E-03	1.09E-03	1.85E+00
Off-Site Low Bed Delivery Trucks	HHD-DSL	7.62E-03	1.90E-03	2.52E-02	3.88E-05	1.27E-03	1.09E-03	1.85E+00
Off-Site PV Panel Trucks	HHD-DSL	7.62E-03	1.90E-03	2.52E-02	3.88E-05	1.27E-03	1.09E-03	1.85E+00
Off-Site Inverters	HHD-DSL	7.62E-03	1.90E-03	2.52E-02	3.88E-05	1.27E-03	1.09E-03	1.85E+00
Off-Site Tracker Trucks	HHD-DSL	7.62E-03	1.90E-03	2.52E-02	3.88E-05	1.27E-03	1.09E-03	1.85E+00
Off-Site Cabling Trucks	HHD-DSL	7.62E-03	1.90E-03	2.52E-02	3.88E-05	1.27E-03	1.09E-03	1.85E+00
Off-site Concrete Truck	HHD-DSL	7.62E-03	1.90E-03	2.52E-02	3.88E-05	1.27E-03	1.09E-03	1.85E+00
Off-Site Electrical Truck	HHD-DSL	7.62E-03	1.90E-03	2.52E-02	3.88E-05	1.27E-03	1.09E-03	1.85E+00
Off-site Insulation Truck	HHD-DSL	7.62E-03	1.90E-03	2.52E-02	3.88E-05	1.27E-03	1.09E-03	1.85E+00
Off-site Roof truck	HHD-DSL	7.62E-03	1.90E-03	2.52E-02	3.88E-05	1.27E-03	1.09E-03	1.85E+00
Off-site Wall Truck	HHD-DSL	7.62E-03	1.90E-03	2.52E-02	3.88E-05	1.27E-03	1.09E-03	1.85E+00
Off-Site Structural Steel truck	HHD-DSL	7.62E-03	1.90E-03	2.52E-02	3.88E-05	1.27E-03	1.09E-03	1.85E+00
Off-Site Mechanical Truck	HHD-DSL	7.62E-03	1.90E-03	2.52E-02	3.88E-05	1.27E-03	1.09E-03	1.85E+00
Off-Site Architechtural Truck	HHD-DSL	7.62E-03	1.90E-03	2.52E-02	3.88E-05	1.27E-03	1.09E-03	1.85E+00
Off-Site 4000 gal Water Truck	HHD-DSL	7.62E-03	1.90E-03	2.52E-02	3.88E-05	1.27E-03	1.09E-03	1.85E+00
Off-Site Water Delivery Truck	HHD-DSL	7.62E-03	1.90E-03	2.52E-02	3.88E-05	1.27E-03	1.09E-03	1.85E+00
Off-Site Service Truck	HHD-DSL	7.62E-03	1.90E-03	2.52E-02	3.88E-05	1.27E-03	1.09E-03	1.85E+00
Off-Site Equipment/Material Delivery Truck - 1	HHD-DSL	7.62E-03	1.90E-03	2.52E-02	3.88E-05	1.27E-03	1.09E-03	1.85E+00
Off-Site Equipment/Material Delivery Truck - 2	HHD-DSL	7.62E-03	1.90E-03	2.52E-02	3.88E-05	1.27E-03	1.09E-03	1.85E+00
Off-Site Worker Commute, Car	LDA-CAT	5.87E-03	3.92E-04	5.44E-04	8.12E-06	8.12E-05	4.95E-05	3.81E-01

Notes:

Emissions [pounds/day] = Emission factor [pounds/mile] x Vehicle miles traveled [miles/day]

Phase 1 - Mobilization - Monthly

Table 3-A Phase 1 - Mobilization - Monthly Motor Vehicle Numbers

Equipment/Vehicle Type	Fuel	Miles/ Day/ vehicle	Monthly Number																																																	
			Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
			Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
On-Site Motor Vehicles																																																				
On-Site Pick Up Truck	Gasoline	25	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Flatbed Delivery Truck	Diesel	25	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site 4000 gal Water Truck	Diesel	20	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Service Truck	Diesel	25	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Lube/Fuel Truck	Diesel	25	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Motor Vehicles																																																				
Off-Site Worker Commute, Car	Gasoline	50	43	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Flat Bed Trucks	Diesel	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Water Trucks	Diesel	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Fuel & Lube	Diesel	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Fencing Trucks	Diesel	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Porto-Let Truck	Diesel	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 3-B Phase 1 - Mobilization - Monthly Motor Vehicle Use

Equipment/Vehicle Type	Fuel	Monthly Miles																																																	
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																																			
On-Site Pick Up Truck	Gasoline	1650	1650	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1650	1650	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Flatbed Delivery Truck	Diesel	1100	1100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1100	1100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site 4000 gal Water Truck	Diesel	440	440	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	440	440	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Service Truck	Diesel	550	550	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	550	550	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Lube/Fuel Truck	Diesel	4400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4400	4400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Motor Vehicles																																																			
Off-Site Worker Commute, Car	Gasoline	47700	47700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Flat Bed Trucks	Diesel	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	350	325	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Water Trucks	Diesel	125	125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Fuel & Lube	Diesel	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Fencing Trucks	Diesel	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Porto-Let Truck	Diesel	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 3-C Phase 1 - Mobilization - Monthly Motor Vehicle CO Emissions

Equipment/Vehicle Type	Emission Factor (lb/hr or lb/mile)	Monthly Emissions (lb/month)																																																	
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																																			
On-Site Pick Up Truck	0.0082	13.5	13.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.5	13.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0076	8.4	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site 4000 gal Water Truck	0.0076	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0076	4.2	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Truck	0.0038	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.7	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Motor Vehicles																																																			
Off-Site Worker Commute, Car	0.0059	279.8	279.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Flat Bed Trucks	0.0076	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.0076	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0038	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fencing Trucks	0.0076	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Porto-Let Truck	0.0038	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Motor Vehicle Total	**---**	**46.1**	**29.4**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**46.1**	**46.1**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Off-Site Motor Vehicle Total	**---**	**282.8**	**282.8**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**3.4**	**3.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Table 3-D Phase 1 - Mobilization - Monthly Motor Vehicle VOC Emissions

Equipment/Vehicle Type	Emission Factor (lb/hr or lb/mile)	Monthly Emissions (lb/month)																																																	
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																																			
On-Site Pick Up Truck	0.0005	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0019	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site 4000 gal Water Truck	0.0019	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0019	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Truck	0.0003	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Motor Vehicles																																																			
Off-Site Worker Commute, Car	0.0004	18.7	18.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Flat Bed Trucks	0.0019	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.0019	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fencing Trucks	0.0019	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Porto-Let Truck	0.0003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Motor Vehicle Total	**---**	**6.2**	**4.9**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**6.2**	**6.2**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Off-Site Motor Vehicle Total	**---**	**19.4**	**19.4**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.9**	**0.8**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Phase 1 - Mobilization - Monthly

Table 3-E Phase 1 - Mobilization - Monthly Equipment and Motor Vehicle NOx Emissions

Equipment/Vehicle Type	Emission Factor (lb/hr or lb/mile)	Monthly Emissions (lb/month)																																																	
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																																			
On-Site Pick Up Truck	0.0012	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0252	27.7	27.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.7	27.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site 4000 gal Water Truck	0.0252	11.1	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0252	13.9	13.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.9	13.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Truck	0.0162	71.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.2	71.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Motor Vehicles																																																			
Off-Site Worker Commute, Car	0.0005	25.9	25.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Flat Bed Trucks	0.0252	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.0252	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0162	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fencing Trucks	0.0252	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Porto-Let Truck	0.0162	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Motor Vehicle Total	**---**	**125.8**	**54.6**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**125.8**	**125.8**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Off-Site Motor Vehicle Total	**---**	**36.2**	**36.2**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**11.3**	**10.1**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Table 3-F Phase 1 - Mobilization - Monthly Motor Vehicle SOx Emissions

Equipment/Vehicle Type	Emission Factor (lb/hr or lb/mile)	Monthly Emissions (lb/month)																																																	
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																																			
On-Site Pick Up Truck	0.00001	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
On-Site Flatbed Delivery Truck	0.00004	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
On-Site 4000 gal Water Truck	0.00004	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
On-Site Service Truck	0.00004	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
On-Site Lube/Fuel Truck	0.00003	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Site Motor Vehicles																																																			
Off-Site Worker Commute, Car	0.00001	0.39	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Site Flat Bed Trucks	0.00004	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Site Water Trucks	0.00004	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Site Fuel & Lube	0.00003	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Site Fencing Trucks	0.00004	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Site Porto-Let Truck	0.00003	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
On-Site Motor Vehicle Total	**---**	**0.25**	**0.10**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.25**	**0.25**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Off-Site Motor Vehicle Total	**---**	**0.40**	**0.40**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.02**	**0.02**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Table 3-G Phase 1 - Mobilization - Monthly Motor Vehicle PM10 Emissions

Equipment/Vehicle Type	Emission Factor (lb/hr or lb/mile)	Monthly Emissions (lb/month)																																																	
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																																			
On-Site Pick Up Truck	0.0001	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0013	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site 4000 gal Water Truck	0.0013	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0013	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Truck	0.0004	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Motor Vehicles																																																			
Off-Site Worker Commute, Car	0.0001	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Flat Bed Trucks	0.0013	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.0013	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fencing Trucks	0.0013	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Porto-Let Truck	0.0004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Motor Vehicle Total	**---**	**4.7**	**2.9**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**4.7**	**4.7**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Off-Site Motor Vehicle Total	**---**	**4.3**	**4.3**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.6**	**0.5**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Phase 1 - Mobilization - Monthly

Table 3-H Phase 1 - Mobilization - Monthly Motor Vehicle PM2.5 Emissions

Equipment/Vehicle Type	Emission Factor (lb/hr or lb/mile)	Monthly Emissions (lb/month)																																																			
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																																					
On-Site Pick Up Truck	0.0001	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0011	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site 4000 gal Water Truck	0.0011	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0011	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Truck	0.0004	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Motor Vehicles																																																					
Off-Site Worker Commute, Car	0.0000	2.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Flat Bed Trucks	0.0011	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.0011	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fencing Trucks	0.0011	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Porto-Let Truck	0.0004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Motor Vehicle Total	**---**	**4.0**	**2.4**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**4.0**	**4.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Off-Site Motor Vehicle Total	**---**	**2.8**	**2.8**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.5**	**0.4**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Table 3-I Phase 1 - Mobilization - Monthly Motor Vehicle CO2e Emissions

Equipment/Vehicle Type	Emission Factor (kg/hr or kg/mile)	Monthly Emissions (kg/month)																																																			
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																																					
On-Site Pick Up Truck	0.7	1078	1078	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1078	1078	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Flatbed Delivery Truck	1.8	2035	2035	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2035	2035	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site 4000 gal Water Truck	1.8	814	814	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	814	814	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Service Truck	1.8	1017	1017	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1017	1017	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Lube/Fuel Truck	1.5	6664	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6664	6664	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Motor Vehicles																																																					
Off-Site Worker Commute, Car	0.4	18159	18159	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Flat Bed Trucks	1.8	185	185	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	647	601	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Water Trucks	1.8	231	231	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Fuel & Lube	1.5	38	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Fencing Trucks	1.8	185	185	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	185	139	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Porto-Let Truck	1.5	151	151	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Motor Vehicle Total	**---**	**11607**	**4943**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**11607**	**11607**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Off-Site Motor Vehicle Total	**---**	**18949**	**18949**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**832**	**740**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Notes:

Totals may not match sum of individual values because of rounding.

Based on 22 working days per month

Phase 2 - Grading and Earthwork - Monthly

Table 4-A Phase 2 - Grading and Earthwork - Monthly Motor Vehicle Numbers

Equipment/Vehicle Type	Fuel	Miles/ Day/ vehicle	Monthly Number																																																
			Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
			Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
On-Site Motor Vehicles																																																			
On-Site 2200 gal Water Trucks	Diesel	20	0	0	10	10	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site 4000 gal Water Truck	Diesel	20	0	0	3	3	3	3	3	3	3	3	3	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	3	3	3	3	3	3	3	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Lube/Fuel Truck	Diesel	25	0	0	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Service Truck	Diesel	25	0	0	14	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Dump Truck	Diesel	20	0	0	0	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Motor Vehicles																																																			
Off-Site Worker Commute, Car	Gasoline	50	0	0	89	102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Gravel Rock/AC trucks	Diesel	25	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	3	3	3	3	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Water Trucks	Diesel	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Low Bed Delivery Trucks	Diesel	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Porto-Let Truck	Diesel	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 4-B Phase 2 - Grading and Earthwork - Monthly Motor Vehicle Use

Equipment/Vehicle Type	Fuel	Monthly Miles																																																	
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																																			
On-Site 2200 gal Water Trucks	Diesel	0	0	4400	4400	4400	4400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site 4000 gal Water Truck	Diesel	0	0	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	0	0	0	0	0	0	0	0	0	0	0	0	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	0	0	0	0	0	0	0	0	0	0
On-Site Lube/Fuel Truck	Diesel	0	0	4400	4400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Service Truck	Diesel	0	0	7700	7700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Dump Truck	Diesel	0	0	0	13640	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Motor Vehicles																																																			
Off-Site Worker Commute, Car	Gasoline	0	0	97350	112200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Gravel Rock/AC trucks	Diesel	0	0	0	775	775	775	775	775	775	775	775	800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1550	1550	1550	1550	1550	1550	1600	1600	1600	0	0	0	0	0	0	0	0	0	0
Off-Site Water Trucks	Diesel	0	0	250	250	250	250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Low Bed Delivery Trucks	Diesel	0	0	13	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Porto-Let Truck	Diesel	0	0	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 4-C Phase 2 - Grading and Earthwork - Monthly Motor Vehicle CO Emissions

Equipment/Vehicle Type	Emission Factor (lb/hr or lb/mile)	Monthly Emissions (lb/month)																																																	
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																																			
On-Site 2200 gal Water Trucks	0.0038	0.0	0.0	16.7	16.7	16.7	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site 4000 gal Water Truck	0.0076	0.0	0.0	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Truck	0.0038	0.0	0.0	16.7	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0076	0.0	0.0	58.6	58.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0076	0.0	0.0	0.0	103.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Motor Vehicles																																																			
Off-Site Worker Commute, Car	0.0059	0.0	0.0	571.1	658.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Gravel Rock/AC trucks	0.0076	0.0	0.0	0.0	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.8	11.8	11.8	11.8	11.8	11.8	12.2	12.2	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.0076	0.0	0.0	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Low Bed Delivery Trucks	0.0076	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Porto-Let Truck	0.0038	0.0	0.0	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Motor Vehicle Total	---	**0.0**	**0.0**	**102.1**	**206.0**	**26.8**	**26.8**	**10.1**	**10.1**	**10.1**	**10.1**	**10.1**	**10.1**	**10.1**	**10.1**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**10.1**	**10.1**	**10.1**	**10.1**	**10.1**	**10.1**	**10.1**	**10.1**	**10.1**	**10.1**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Off-Site Motor Vehicle Total	---	**0.0**	**0.0**	**573.4**	**666.5**	**7.8**	**7.8**	**5.9**	**5.9**	**5.9**	**5.9**	**5.9**	**6.1**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**11.8**	**11.8**	**11.8**	**11.8**	**11.8**	**11.8**	**12.2**	**12.2**	**12.2**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Table 4-D Phase 2 - Grading and Earthwork - Monthly Motor Vehicle VOC Emissions

Equipment/Vehicle Type	Emission Factor (lb/hr or lb/mile)	Monthly Emissions (lb/month)																																																	
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																																			
On-Site 2200 gal Water Trucks	0.0003	0.0	0.0	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site 4000 gal Water Truck	0.0019	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Truck	0.0003	0.0	0.0	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0019	0.0	0.0	14.6	14.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0019	0.0	0.0	0.0	25.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Motor Vehicles																																																			
Off-Site Worker Commute, Car	0.0004	0.0	0.0	38.2	44.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Gravel Rock/AC trucks	0.0019	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.0019	0.0	0.0	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Low Bed Delivery Trucks	0.0019	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Porto-Let Truck	0.0003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Motor Vehicle Total	---	**0.0**	**0.0**	**19.9**	**45.8**	**3.9**	**3.9**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Off-Site Motor Vehicle Total	---	**0.0**	**0.0**	**38.7**	**46.0**	**1.9**	**1.9**	**1.5**	**1.5**	**1.5**	**1.5**	**1.5**	**1.5**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**2.9**	**2.9**	**2.9**	**2.9**	**2.9**	**2.9**	**3.0**	**3.0**	**3.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Phase 2 - Grading and Earthwork - Monthly

Table 4-E Phase 2 - Grading and Earthwork - Monthly Equipment and Motor Vehicle NOx Emissions

Equipment/Vehicle Type	Emission Factor (lb/hr or lb/mile)	Monthly Emissions (lb/month)																																															
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																																	
On-Site 2200 gal Water Trucks	0.0162	0.0	0.0	71.2	71.2	71.2	71.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site 4000 gal Water Truck	0.0252	0.0	0.0	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Truck	0.0162	0.0	0.0	71.2	71.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0252	0.0	0.0	194.0	194.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0252	0.0	0.0	0.0	343.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Motor Vehicles																																																	
Off-Site Worker Commute, Car	0.0005	0.0	0.0	53.0	61.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Gravel Rock/AC trucks	0.0252	0.0	0.0	0.0	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	20.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39.1	39.1	39.1	39.1	39.1	39.1	40.3	40.3	40.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.0252	0.0	0.0	6.3	6.3	6.3	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Low Bed Delivery Trucks	0.0252	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Porto-Let Truck	0.0162	0.0	0.0	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Motor Vehicle Total	**---**	**0.0**	**0.0**	**369.6**	**713.2**	**104.4**	**104.4**	**33.3**	**33.3**	**33.3**	**33.3**	**33.3**	**33.3**	**33.3**	**33.3**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**33.3**	**33.3**	**33.3**	**33.3**	**33.3**	**33.3**	**33.3**	**33.3**	**33.3**	**33.3**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Off-Site Motor Vehicle Total	**---**	**0.0**	**0.0**	**61.2**	**88.8**	**25.8**	**25.8**	**19.5**	**19.5**	**19.5**	**19.5**	**19.5**	**20.2**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**39.1**	**39.1**	**39.1**	**39.1**	**39.1**	**39.1**	**40.3**	**40.3**	**40.3**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Table 4-F Phase 2 - Grading and Earthwork - Monthly Motor Vehicle SOx Emissions

Equipment/Vehicle Type	Emission Factor (lb/hr or lb/mile)	Monthly Emissions (lb/month)																																															
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																																	
On-Site 2200 gal Water Trucks	0.00003	0.00	0.00	0.14	0.14	0.14	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
On-Site 4000 gal Water Truck	0.00004	0.00	0.00	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
On-Site Lube/Fuel Truck	0.00003	0.00	0.00	0.14	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
On-Site Service Truck	0.00004	0.00	0.00	0.30	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
On-Site Dump Truck	0.00004	0.00	0.00	0.00	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Site Motor Vehicles																																																	
Off-Site Worker Commute, Car	0.00001	0.00	0.00	0.79	0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Site Gravel Rock/AC trucks	0.00004	0.00	0.00	0.00	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Site Water Trucks	0.00004	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Site Low Bed Delivery Trucks	0.00004	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Site Porto-Let Truck	0.00003	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
On-Site Motor Vehicle Total	**---**	**0.0**	**0.0**	**0.6**	**1.2**	**0.2**	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Off-Site Motor Vehicle Total	**---**	**0.0**	**0.0**	**0.8**	**1.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Table 4-G Phase 2 - Grading and Earthwork - Monthly Motor Vehicle PM10 Emissions

Equipment/Vehicle Type	Emission Factor (lb/hr or lb/mile)	Monthly Emissions (lb/month)																																															
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																																	
On-Site 2200 gal Water Trucks	0.0004	0.0	0.0	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site 4000 gal Water Truck	0.0013	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Truck	0.0004	0.0	0.0	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0013	0.0	0.0	9.8	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0013	0.0	0.0	0.0	17.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Motor Vehicles																																																	
Off-Site Worker Commute, Car	0.0001	0.0	0.0	7.9	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Gravel Rock/AC trucks	0.0013	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.0013	0.0	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Low Bed Delivery Trucks	0.0013	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Porto-Let Truck	0.0004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Motor Vehicle Total	**---**	**0.0**	**0.0**	**15.2**	**32.6**	**3.6**	**3.6**	**1.7**	**1.7**	**1.7**	**1.7**	**1.7**	**1.7**	**1.7**	**1.7**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**1.7**	**1.7**	**1.7**	**1.7**	**1.7**	**1.7**	**1.7**	**1.7**	**1.7**	**1.7**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Off-Site Motor Vehicle Total	**---**	**0.0**	**0.0**	**8.3**	**10.5**	**1.3**	**1.3**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Phase 2 - Grading and Earthwork - Monthly

Table 4-H Phase 2 - Grading and Earthwork - Monthly Motor Vehicle PM2.5 Emissions

Equipment/Vehicle Type	Emission Factor (lb/hr or lb/mile)	Monthly Emissions (lb/month)																																															
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																																	
On-Site 2200 gal Water Trucks	0.0004	0.0	0.0	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site 4000 gal Water Truck	0.0011	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Truck	0.0004	0.0	0.0	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0011	0.0	0.0	8.4	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0011	0.0	0.0	0.0	14.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Motor Vehicles																																																	
Off-Site Worker Commute, Car	0.0000	0.0	0.0	4.8	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Gravel Rock/AC trucks	0.0011	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.0011	0.0	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Low Bed Delivery Trucks	0.0011	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Porto-Let Truck	0.0004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Motor Vehicle Total	**---**	**0.0**	**0.0**	**13.0**	**27.8**	**3.0**	**3.0**	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Off-Site Motor Vehicle Total	**---**	**0.0**	**0.0**	**5.1**	**6.7**	**1.1**	**1.1**	**0.8**	**0.8**	**0.8**	**0.8**	**0.8**	**0.9**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**1.7**	**1.7**	**1.7**	**1.7**	**1.7**	**1.7**	**1.7**	**1.7**	**1.7**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Table 4-I Phase 2 - Grading and Earthwork - Monthly Motor Vehicle CO2e Emissions

Equipment/Vehicle Type	Emission Factor (kg/hr or kg/mile)	Monthly Emissions (kg/month)																																															
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																																	
On-Site 2200 gal Water Trucks	1.5	0	0	6664	6664	6664	6664	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site 4000 gal Water Truck	1.8	0	0	2441	2441	2441	2441	2441	2441	2441	2441	2441	2441	2441	2441	0	0	0	0	0	0	0	0	0	0	0	0	2441	2441	2441	2441	2441	2441	2441	2441	2441	2441	0	0	0	0	0	0	0	0	0	0	0
On-Site Lube/Fuel Truck	1.5	0	0	6664	6664	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Service Truck	1.8	0	0	14242	14242	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Dump Truck	1.8	0	0	0	25228	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Motor Vehicles																																																	
Off-Site Worker Commute, Car	0.4	0	0	37060	42714	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Gravel Rock/AC trucks	1.8	0	0	0	1433	1433	1433	1433	1433	1433	1433	1433	1480	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2867	2867	2867	2867	2867	2867	2959	2959	2959	0	0	0	0	0	0	0	0	0	0	0
Off-Site Water Trucks	1.8	0	0	462	462	462	462	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Low Bed Delivery Trucks	1.8	0	0	23	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Porto-Let Truck	1.5	0	0	151	151	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Motor Vehicle Total	**---**	**0**	**0**	**30010**	**55239**	**9105**	**9105**	**2441**	**2441**	**2441**	**2441**	**2441**	**2441**	**2441**	**2441**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2441**	**2441**	**2441**	**2441**	**2441**	**2441**	**2441**	**2441**	**2441**	**2441**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Off-Site Motor Vehicle Total	**---**	**0**	**0**	**37697**	**44784**	**1896**	**1896**	**1433**	**1433**	**1433**	**1433**	**1433**	**1480**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2867**	**2867**	**2867**	**2867**	**2867**	**2867**	**2959**	**2959**	**2959**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Notes:

Totals may not match sum of individual values because of rounding.
Based on 22 working days per month

Phase 3 - PV Construction - Monthly

Table 5-A Phase 3 - PV Construction - Monthly Motor Vehicle Numbers

Equipment/Vehicle Type	Fuel	Miles/Day/vehicle	Monthly Number																																													
			Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
			Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
On-Site Motor Vehicles																																																
On-Site 2200 gal Water Trucks	Diesel	20	0	0	0	0	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site 4000 gal Water Truck	Diesel	20	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0
On-Site Pick Up Truck	Gasoline	25	0	0	0	0	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	0	0	0	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	0
On-Site Flatbed Delivery Truck	Diesel	25	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0
On-Site Service Truck	Diesel	25	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0
On-Site Dump Truck	Diesel	20	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0
On-Site Lube/Fuel Truck	Diesel	25	0	0	0	0	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	0	0	0	0	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	0	0
Off-Site Motor Vehicles																																																
Off-Site Worker Commute, Car	Gasoline	50	0	0	0	0	229	248	268	280	280	280	280	359	359	359	264	264	264	264	264	264	267	267	267	267	0	0	0	0	459	600	600	600	459	459	459	459	459	459	459	459	459	459	459	459	0	0
Off-Site Flat Bed Trucks	Diesel	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site PV Panel Trucks	Diesel	110	0	0	0	0	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4	0	0	0	0	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Off-Site Inverters	Diesel	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Tracker Trucks	Diesel	30	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0
Off-Site Cabling Trucks	Diesel	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Fuel & Lube	Diesel	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-site Concrete Truck	Diesel	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0
Off-Site Electrical Truck	Diesel	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Low Bed Delivery Trucks	Diesel	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Porto-Let Truck	Diesel	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 5-B Phase 3 - PV Construction - Monthly Motor Vehicle Use

Equipment/Vehicle Type	Fuel	Monthly Miles																																														
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																																
On-Site 2200 gal Water Trucks	Diesel	0	0	0	0	4400	4400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site 4000 gal Water Truck	Diesel	0	0	0	0	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	0	0	0	0	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	0	0
On-Site Pick Up Truck	Gasoline	0	0	0	0	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	0	0	0	0	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	0	0
On-Site Flatbed Delivery Truck	Diesel	0	0	0	0	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	0	0	0	0	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	0	0
On-Site Service Truck	Diesel	0	0	0	0	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	0	0	0	0	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	0	0
On-Site Dump Truck	Diesel	0	0	0	0	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440	0	0	0	0	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440	0	0
On-Site Lube/Fuel Truck	Diesel	0	0	0	0	4400	4400	4400	4400	4400	4400	4400	4400	4400	4400	4400	4400	4400	4400	4400	4400	4400	4400	4400	4400	0	0	0	0	4400	4400	4400	4400	4400	4400	4400	4400	4400	4400	4400	4400	4400	4400	4400	4400	0	0
Off-Site Motor Vehicles																																																
Off-Site Worker Commute, Car	Gasoline	0	0	0	0	251400	272500	294600	307700	307700	307700	307700	394450	394450	394450	290600	290600	290600	290600	290600	290600	293900	293900	293900	293900	0	0	0	0	505300	660000	660000	660000	505300	505300	505300	505300	505300	505300	505300	505300	505300	505300	505300	505300	0	0
Off-Site Flat Bed Trucks	Diesel	0	0	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	175	175	175	175	175	175	175	175	175	200	200	200	200	200	200	200	200	0	0
Off-Site PV Panel Trucks	Diesel	0	0	0	0	11000	11000	11000	11000	11000	11000	11000	11000	11000	11000	8800	8800	8800	8800	8800	8800	8800	8800	8800	8800	0	0	0	0	13750	13750	13750	13750	13750	13750	13750	13750	13750	13750	13750	13750	14190	14300	14300	14300	14300	14300	14300
Off-Site Inverters	Diesel	0	0	0	0	0	0	0	0	0	0	120	120	120	120	120	120	120	120	0	0	0	0	0	0	0	0	0	0	0	0	0	180	180	180	180	180	180	180	180	0	0	0	0	0	0	0
Off-Site Tracker Trucks	Diesel	0	0	0	0	0	390	390	390	390	390	390	390	390	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	450	450	450	450	450	450	450	450	450	450	450	450	450	420	0	0	0	0
Off-Site Cabling Trucks	Diesel	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	50	50	50	50	50	75	75	75	75	75	75	75	75	75	75	0
Off-Site Fuel & Lube	Diesel	0	0	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
Off-site Concrete Truck	Diesel	0	0	0	0	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	0	0	0	0	0	0	0	500	500	500	500	500	500	500	500	500	500	500	500	525	525	525	525	525	0
Off-Site Electrical Truck	Diesel	0	0	0	0	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125
Off-Site Low Bed Delivery Trucks	Diesel	0	0	0	0	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125
Off-Site Porto-Let Truck	Diesel	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0

Table 5-C Phase 3 - PV Construction - Monthly Motor Vehicle CO Emissions

Equipment/Vehicle Type	Emission Factor (lb/hr or lb/mile)	Monthly Emissions (lb/month)																																														
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																																
On-Site 2200 gal Water Trucks	0.0038	0.0	0.0	0.0	0.0	16.7	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site 4000 gal Water Truck	0.0076	0.0	0.0	0.0	0.0	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	0.0	0.0	0.0	0.0	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	0.0	0.0
On-Site Pick Up Truck	0.0082	0.0	0.0	0.0	0.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	0.0	0.0	0.0	0.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	0.0	0.0
On-Site Flatbed Delivery Truck	0.0076	0.0	0.0	0.0	0.0	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	0.0	0.0	0.0	0.0	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	0.0	0.0
On-Site Service Truck	0.0076	0.0	0.0	0.0	0.0	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	0.0	0.0	0.0	0.0	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	0.0	0.0
On-Site Dump Truck	0.0076	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0
On-Site Lube/Fuel Truck	0.0038	0.0	0.0	0.0	0.0	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	0.0	0.0	0.0	0.0	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	0.0	0.0
Off-Site Motor Vehicles																																																
Off-Site Worker Commute, Car	0.0059	0.0	0.0	0.0	0.0	1474.7	1598.5	1728.1	1805.0	1805.0	1805.0	1805.0	2313.9	2313.9	2313.9	1704.7	1704.7	1704.7	1704.7	1704.7	1704.7	1724.0	1724.0	1724.0	1724.0	0.0	0.0	0.0	0.0	2964.1	3871.6	3871.6	3871.6	2964.1	2964.1	2964.1	2964.1	2964.1	2964.1	2964.1	2964.1	2964.1	2964.1	2964.1	2964.1	0.0	0.0
Off-Site Flat Bed Trucks	0.0076	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0
Off-Site PV Panel Trucks	0.0076	0.0	0.0	0.0	0.0	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	0.0	0.0	0.0	0.0	104.7	104.7	104.7	104.7	104.7	104.7	104.7	104.7	104.7	104.7	104.7	108.1	108.9	108.9	108.9	108.9	108.9	108.9
Off-Site Inverters	0.0076	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Tracker Trucks	0.0076	0.0	0.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.2	0.0	0.0	0.0	0.0
Off-Site Cabling Trucks	0.0076	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0
Off-Site Fuel & Lube	0.0038	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Off-site Concrete Truck	0.0076	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	4.0	4.0	4.0	4.0	4.0	0.0
Off-Site Electrical Truck	0.0076	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Off-Site Low Bed Delivery Trucks	0.0076	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Off-Site Porto-Let Truck	0.0038	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0
On-Site Motor Vehicle Total	**---**	**0.0**	**0.0**	**0.0**	**0.0**	**73.7**	**73.7**	**57.0**	**57.0**	**57.0**	**57.0**	**57.0**	**57.0**	**57.0**	**57.0**	**57.0**	**57.0**	**57.0**	**57.0**	**57.0**	**57.0**	**57.0**	**57.0**	**57.0**	**57.0**	**0.0**	**0.0**	**0.0**	**0.0**	**57.0**	**57.0**	**57.0**	**57.0**	**57.0**	**57.0**	**57.0**	**57.0**	**57.0**	**57.0**	**57.0**	**57.0**	**57.0**	**57.0**	**57.0**	**57.0**	**0.0**	**0.0**
Off-Site Motor Vehicle Total	**---**	**0.0**	**0.0**	**1.7**	**1.7**	**1564.4**	**1691.1**	**1821.2**	**1898.0**	**1898.0**	**1898.0**	**1898.9**	**2407.8**	**2407.8**	**2404.8**	**1778.9**	**1778.9**	**1778.9**	**1778.9**	**1778.0**	**1778.0**	**1797.3**	**1795.4**	**1795.0**	**1795.0**	**4.0**	**4.0**	**4.0**	**4.4**	**3080.4**	**3987.9**	**3988.3**	**3989.7**	**3082.2**	**3082.2**	**3082.2**	**3082.4**	**3082.6**	**3082.6**	**3082.6**	**3084.6**	**3085.6**	**3085.4**	**3082.2**	**3082.2**	**116.1**	**111.6**

Phase 3 - PV Construction - Monthly

Table 5-D Phase 3 - PV Construction - Monthly Motor Vehicle VOC Emissions

Equipment/Vehicle Type	Emission Factor (lb/hr or lb/mile)	Monthly Emissions (lb/month)																																													
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																															
On-Site 2200 gal Water Trucks	0.0003	0.0	0.0	0.0	0.0	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site 4000 gal Water Truck	0.0019	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0
On-Site Pick Up Truck	0.0005	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0
On-Site Flatbed Delivery Truck	0.0019	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0
On-Site Service Truck	0.0019	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0
On-Site Dump Truck	0.0019	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0
On-Site Lube/Fuel Truck	0.0003	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0
Off-Site Motor Vehicles																																															
Off-Site Worker Commute, Car	0.0004	0.0	0.0	0.0	0.0	98.6	106.9	115.6	120.7	120.7	120.7	120.7	154.8	154.8	154.8	114.0	114.0	114.0	114.0	114.0	114.0	115.3	115.3	115.3	115.3	0.0	0.0	0.0	0.0	198.3	259.0	259.0	259.0	198.3	198.3	198.3	198.3	198.3	198.3	198.3	198.3	198.3	198.3	198.3	198.3	0.0	0.0
Off-Site Flat Bed Trucks	0.0019	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0
Off-Site PV Panel Trucks	0.0019	0.0	0.0	0.0	0.0	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	0.0	0.0	0.0	0.0	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	27.0	27.2	27.2	27.2	27.2	27.2	27.2
Off-Site Inverters	0.0019	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Tracker Trucks	0.0019	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.0	0.0	0.0	0.0
Off-Site Cabling Trucks	0.0019	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Off-Site Fuel & Lube	0.0003	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Off-site Concrete Truck	0.0019	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	0.0
Off-Site Electrical Truck	0.0019	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Off-Site Low Bed Delivery Trucks	0.0019	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Off-Site Porto-Let Truck	0.0003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Motor Vehicle Total	---	**0.0**	**0.0**	**0.0**	**0.0**	**10.3**	**10.3**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**0.0**	**0.0**	**0.0**	**0.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**0.0**	**0.0**
Off-Site Motor Vehicle Total	---	**0.0**	**0.0**	**0.3**	**0.3**	**120.8**	**129.8**	**138.6**	**143.7**	**143.7**	**143.7**	**144.0**	**178.0**	**178.0**	**177.3**	**132.3**	**132.3**	**132.3**	**132.3**	**132.1**	**132.1**	**133.4**	**132.9**	**132.8**	**132.8**	**0.8**	**0.8**	**0.8**	**0.9**	**227.1**	**287.8**	**287.9**	**288.2**	**227.5**	**227.5**	**227.5**	**227.6**	**227.6**	**227.6**	**227.6**	**228.1**	**228.4**	**228.3**	**227.5**	**227.5**	**28.8**	**27.7**

Table 5-E Phase 3 - PV Construction - Monthly Equipment and Motor Vehicle NOx Emissions

Equipment/Vehicle Type	Emission Factor (lb/hr or lb/mile)	Monthly Emissions (lb/month)																																													
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																															
On-Site 2200 gal Water Trucks	0.0162	0.0	0.0	0.0	0.0	71.2	71.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site 4000 gal Water Truck	0.0252	0.0	0.0	0.0	0.0	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	0.0	0.0	0.0	0.0	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	0.0	0.0
On-Site Pick Up Truck	0.0012	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0252	0.0	0.0	0.0	0.0	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	0.0	0.0	0.0	0.0	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	0.0	0.0
On-Site Service Truck	0.0252	0.0	0.0	0.0	0.0	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	0.0	0.0	0.0	0.0	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	0.0	0.0
On-Site Dump Truck	0.0252	0.0	0.0	0.0	0.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	0.0	0.0	0.0	0.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	0.0	0.0
On-Site Lube/Fuel Truck	0.0162	0.0	0.0	0.0	0.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	0.0	0.0	0.0	0.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	0.0	0.0
Off-Site Motor Vehicles																																															
Off-Site Worker Commute, Car	0.0005	0.0	0.0	0.0	0.0	136.8	148.2	160.3	167.4	167.4	167.4	167.4	214.6	214.6	214.6	158.1	158.1	158.1	158.1	158.1	158.1	159.9	159.9	159.9	159.9	0.0	0.0	0.0	0.0	274.9	359.0	359.0	359.0	274.9	274.9	274.9	274.9	274.9	274.9	274.9	274.9	274.9	274.9	274.9	274.9	0.0	0.0
Off-Site Flat Bed Trucks	0.0252	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	0.0	0.0
Off-Site PV Panel Trucks	0.0252	0.0	0.0	0.0	0.0	277.1	277.1	277.1	277.1	277.1	277.1	277.1	277.1	277.1	277.1	221.7	221.7	221.7	221.7	221.7	221.7	221.7	221.7	221.7	221.7	0.0	0.0	0.0	0.0	346.4	346.4	346.4	346.4	346.4	346.4	346.4	346.4	346.4	346.4	346.4	357.5	360.3	360.3	360.3	360.3	360.3	360.3
Off-Site Inverters	0.0252	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Tracker Trucks	0.0252	0.0	0.0	0.0	0.0	0.0	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	10.6	0.0	0.0	0.0	0.0
Off-Site Cabling Trucks	0.0252	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0
Off-Site Fuel & Lube	0.0162	0.0	0.0	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Off-site Concrete Truck	0.0252	0.0	0.0	0.0	0.0	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	13.2	13.2	13.2	13.2	13.2	0.0
Off-Site Electrical Truck	0.0252	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
Off-Site Low Bed Delivery Trucks	0.0252	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
Off-Site Porto-Let Truck	0.0162	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0
On-Site Motor Vehicle Total	---	**0.0**	**0.0**	**0.0**	**0.0**	**233.0**	**233.0**	**161.8**	**161.8**	**161.8**	**161.8**	**161.8**	**161.8**	**161.8**	**161.8**	**161.8**	**161.8**	**161.8**	**161.8**	**161.8**	**161.8**	**161.8**	**161.8**	**161.8**	**161.8**	**0.0**	**0.0**	**0.0**	**0.0**	**161.8**	**161.8**	**161.8**	**161.8**	**161.8**	**161.8**	**161.8**	**161.8**	**161.8**	**161.8**	**161.8**	**161.8**	**161.8**	**161.8**	**161.8**	**161.8**	**0.0**	**0.0**
Off-Site Motor Vehicle Total	---	**0.0**	**0.0**	**6.4**	**6.4**	**434.5**	**455.8**	**469.1**	**476.2**	**476.2**	**476.2**	**479.2**	**526.4**	**526.4**	**516.6**	**404.7**	**404.7**	**404.7**	**404.7**	**401.6**	**401.6**	**403.4**	**397.1**	**395.9**	**395.9**	**14.3**	**14.3**	**14.3**	**15.6**	**660.8**	**744.9**	**746.2**	**750.7**	**666.6**	**666.6**	**666.6**	**667.2**	**667.8**	**667.8**	**667.8**	**674.4**	**677.8**	**677.0**	**666.5**	**666.5**	**384.9**	**369.8**

Table 5-F Phase 3 - PV Construction - Monthly Motor Vehicle SOx Emissions

Equipment/Vehicle Type	Emission Factor (lb/hr or lb/mile)	Monthly Emissions (lb/month)																																													
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																															
On-Site 2200 gal Water Trucks	0.00003	0.00	0.00	0.00	0.00	0.14	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
On-Site 4000 gal Water Truck	0.00004	0.00	0.00	0.00	0.00	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.00	0.00	0.00	0.00	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.00	0.00
On-Site Pick Up Truck	0.00001	0.00	0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.00	0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.00	0.00
On-Site Flatbed Delivery Truck	0.00004	0.00	0.00	0.00	0.00	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.00	0.00	0.00	0.00	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.00	0.00
On-Site Service Truck	0.00004	0.00	0.00	0.00	0.00	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.00	0.00	0.00	0.00	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.00	0.00
On-Site Dump Truck	0.00004	0.00	0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.00	0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.00	0.00
On-Site Lube/Fuel Truck	0.00003	0.00	0.00	0.00	0.00	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.00	0.00	0.00	0.00	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.00	0.00
Off-Site Motor Vehicles																																															
Off-Site Worker Commute, Car	0.00001	0.00	0.00	0.00	0.00	2.04	2.21	2.39	2.50	2.50	2.50	2.50	3.20	3.20	3.20	2.36	2.36	2.36	2.36	2.36	2.36	2.39	2.39	2.39	2.39	0.00	0.00	0.00	0.00	4.10	5.36	5.36	5.36	4.10	4.10	4.10	4.10	4.10	4.10	4.10	4.10	4.10	4.10	4.10	4.10	0.00	0.00
Off-Site Flat Bed Trucks	0.00004	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00
Off-Site PV Panel Trucks	0.00004	0.00	0.00	0.00	0.00	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.00	0.00	0.00	0.00	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.55	0.55	0.55	0.55	0.55	0.55	0.55
Off-Site Inverters	0.00004	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Site Tracker Trucks	0.00004	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.00	0.00	0.00	0.00
Off-Site Cabling Trucks	0.00004	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Site Fuel & Lube	0.00003	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Off-site Concrete Truck	0.00004	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.00
Off-Site Electrical Truck	0.00004	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Site Low Bed Delivery Trucks	0.00004	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Site Porto-Let Truck	0.00003	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
On-Site Motor Vehicle Total	---	**0.0**	**0.0**	**0.0**	**0.0**	**0.4**	**0.4**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.0**	**0.0**	**0.0**	**0.0**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.0**	**0.0**
Off-Site Motor Vehicle Total	---	**0.0**	**0.0**	**0.0**	**0.0**	**2.5**	**2.7**	**2.9**	**3.0**	**3.0**	**3.0**	**3.0**	**3.7**	**3.7**	**3.7**	**2.7**	**2.7**	**2.7**	**2.7**	**2.7**	**2.7**	**2.8**	**2.8**	**2.8**	**2.8**	**0.0**	**0.0**	**0.0**	**0.0**	**4.7**	**6.0**	**6.0**	**6.0**	**4.7**	**4.7**	**4.7**	**4.7**	**4.7**	**4.7**	**4.7**	**4.7**	**4.7**	**4.7**	**4.7**	**4.7**	**0.6**	**0.6**

Phase 3 - PV Construction - Monthly

Table 5-G Phase 3 - PV Construction - Monthly Motor Vehicle PM10 Emissions

Equipment/Vehicle Type	Emission Factor (lb/hr or lb/mile)	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
		Monthly Emissions (lb/month)																																													
On-Site Motor Vehicles																																															
On-Site 2200 gal Water Trucks	0.0004	0.0	0.0	0.0	0.0	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site 4000 gal Water Truck	0.0013	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0
On-Site Pick Up Truck	0.0001	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0
On-Site Flatbed Delivery Truck	0.0013	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0
On-Site Service Truck	0.0013	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0
On-Site Dump Truck	0.0013	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0
On-Site Lube/Fuel Truck	0.0004	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0
Off-Site Motor Vehicles																																															
Off-Site Worker Commute, Car	0.0001	0.0	0.0	0.0	0.0	20.4	22.1	23.9	25.0	25.0	25.0	25.0	32.0	32.0	32.0	23.6	23.6	23.6	23.6	23.6	23.6	23.9	23.9	23.9	23.9	0.0	0.0	0.0	0.0	41.0	53.6	53.6	53.6	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	0.0	0.0
Off-Site Flat Bed Trucks	0.0013	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0
Off-Site PV Panel Trucks	0.0013	0.0	0.0	0.0	0.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	0.0	0.0	0.0	0.0	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	18.0	18.2	18.2	18.2	18.2	18.2	18.2
Off-Site Inverters	0.0013	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Tracker Trucks	0.0013	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.0	0.0	0.0	0.0
Off-Site Cabling Trucks	0.0013	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Off-Site Fuel & Lube	0.0004	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Off-site Concrete Truck	0.0013	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.0
Off-Site Electrical Truck	0.0013	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Off-Site Low Bed Delivery Trucks	0.0013	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Off-Site Porto-Let Truck	0.0004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Motor Vehicle Total	---	0.0	0.0	0.0	0.0	8.5	8.5	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	0.0	0.0	0.0	0.0	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	0.0	0.0
Off-Site Motor Vehicle Total	---	0.0	0.0	0.2	0.2	35.3	37.5	39.4	40.4	40.4	40.4	40.6	47.6	47.6	47.1	35.9	35.9	35.9	35.9	35.8	35.8	36.0	35.7	35.7	35.7	0.6	0.6	0.6	0.7	60.4	72.9	73.0	73.2	60.7	60.7	60.7	60.7	60.7	60.7	60.7	61.1	61.2	61.2	60.7	60.7	19.3	18.6

Table 5-H Phase 3 - PV Construction - Monthly Motor Vehicle PM2.5 Emissions

Equipment/Vehicle Type	Emission Factor (lb/hr or lb/mile)	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
		Monthly Emissions (lb/month)																																													
On-Site Motor Vehicles																																															
On-Site 2200 gal Water Trucks	0.0004	0.0	0.0	0.0	0.0	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site 4000 gal Water Truck	0.0011	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0
On-Site Pick Up Truck	0.0001	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0
On-Site Flatbed Delivery Truck	0.0011	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0
On-Site Service Truck	0.0011	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0
On-Site Dump Truck	0.0011	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0
On-Site Lube/Fuel Truck	0.0004	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0
Off-Site Motor Vehicles																																															
Off-Site Worker Commute, Car	0.0000	0.0	0.0	0.0	0.0	12.5	13.5	14.6	15.2	15.2	15.2	15.2	19.5	19.5	19.5	14.4	14.4	14.4	14.4	14.4	14.4	14.6	14.6	14.6	14.6	0.0	0.0	0.0	0.0	25.0	32.7	32.7	32.7	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	0.0	0.0
Off-Site Flat Bed Trucks	0.0011	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0
Off-Site PV Panel Trucks	0.0011	0.0	0.0	0.0	0.0	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	0.0	0.0	0.0	0.0	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	15.4	15.5	15.5	15.5	15.5	15.5	15.5
Off-Site Inverters	0.0011	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Tracker Trucks	0.0011	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0
Off-Site Cabling Trucks	0.0011	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Off-Site Fuel & Lube	0.0004	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Off-site Concrete Truck	0.0011	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.0
Off-Site Electrical Truck	0.0011	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Off-Site Low Bed Delivery Trucks	0.0011	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Off-Site Porto-Let Truck	0.0004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Motor Vehicle Total	---	0.0	0.0	0.0	0.0	7.2	7.2	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	0.0	0.0	0.0	0.0	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	0.0	0.0
Off-Site Motor Vehicle Total	---	0.0	0.0	0.2	0.2	25.2	26.7	27.8	28.4	28.4	28.4	28.6	32.9	32.9	32.5	24.9	24.9	24.9	24.9	24.8	24.8	25.0	24.7	24.6	24.6	0.5	0.5	0.5	0.6	41.6	49.2	49.3	49.5	41.8	41.8	41.8	41.8	41.9	41.9	41.9	42.1	42.3	42.3	41.8	41.8	16.5	15.9

Table 5-I Phase 3 - PV Construction - Monthly Motor Vehicle CO2e Emissions

Equipment/Vehicle Type	Emission Factor (kg/hr or kg/mile)	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
		Monthly Emissions (kg/month)																																													
On-Site Motor Vehicles																																															
On-Site 2200 gal Water Trucks	1.5	0	0	0	0	6664	6664	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site 4000 gal Water Truck	1.8	0	0	0	0	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	0	0	0	0	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	0	0
On-Site Pick Up Truck	0.7	0	0	0	0	1078	1078	1078	1078	1078	1078	1078	1078	1078	1078	1078	1078	1078	1078	1078	1078	1078	1078	1078	1078	0	0	0	0	1078	1078	1078	1078	1078	1078	1078	1078	1078	1078	1078	1078	1078	1078	1078	1078	0	0
On-Site Flatbed Delivery Truck	1.8	0	0	0	0	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	0	0	0	0	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	0	0
On-Site Service Truck	1.8	0	0	0	0	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	0	0	0	0	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	0	0
On-Site Dump Truck	1.8	0	0	0	0	814	814	814	814	814	814	814	814	814	814	814	814	814	814	814	814	814	814	814	814	0	0	0	0	814	814	814	814	814	814	814	814	814	814	814	814	814	814	814	814	0	0
On-Site Lube/Fuel Truck	1.5	0	0	0	0	6664	6664	6664	6664	6664	6664	6664	6664	6664	6664	6664	6664	6664	6664	6664	6664	6664	6664	6664	6664	0	0	0	0	6664	6664	6664	6664	6664	6664	6664	6664	6664	6664	6664	6664	6664	6664	6664	6664	0	0
Off-Site Motor Vehicles																																															
Off-Site Worker Commute, Car	0.4	0	0	0	0	95706	103738	112152	117139	117139	117139	117139	150164	150164	150164	110629	110629	110629	110629	110629	110629	111885	111885	111885	111885	0	0	0	0	192363	251256	251256	251256	192363	192363	192363	192363	192363	192363	192363	192363	192363	192363	192363	192363	0	0
Off-Site Flat Bed Trucks	1.8	0	0	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	324	324	324	324	324	324	324	324	324	370	370	370	370	370	370	370	370	0	0
Off-Site PV Panel Trucks	1.8	0	0	0	0	20345	20345	20345	20345	20345	20345	20345	20345	20345	20345	16276	16276	16276	16276	16276	16276	16276	16276	16276	16276	0	0	0	0	25432	25432	25432	25432	25432	25432	25432	25432	25432	25432	25432	26246	26449	26449	26449	26449	26449	26449
Off-Site Inverters	1.8	0	0	0	0	0	0	0	0	0	0	222	222	222	222	222	222	222	222	0	0	0	0	0	0	0	0	0	0	0	0	0	333	333	333	333	333	333	333	333	0	0	0	0	0	0	0
Off-Site Tracker Trucks	1.8	0	0	0	0	0	721	721	721	721	721	721	721	721	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	832	832	832	832	832	832	832	832	832	832	832	832	832	777	0	0	0	0
Off-Site Cabling Trucks	1.8	0	0	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	0	0	0	0	0	0	0	0	92	92	92	92	92	139	139	139	139	139	139	139	139	139	139	0
Off-Site Fuel & Lube	1.5	0	0	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303
Off-site Concrete Truck	1.8	0	0	0	0	462	462	462	462	462	462	462	462	462	462	462	462	462	462	462	462	462	0	0	0	0	0	0	0	925	925	925	925	925	925	925	925	925	925	925	925	971	971	971	971	971	0
Off-Site Electrical Truck	1.8	0	0	0	0	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231
Off-Site Low Bed Delivery Trucks	1.8	0	0	0	0	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231
Off-Site Porto-Let Truck	1.5	0	0	0	0	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	0	0
On-Site Motor Vehicle Total	---	0.0	0.0	0.0	0.0	20915.1	20915.1	14251.6	14251.6	14251.6	14251.6	14251.6	14251.6	14251.6	14251.6	14251.6	14251.6	14251.6	14251.6	14251.6	14251.6	14251.6	14251.6	14251.6	14251.6	0.0	0.0	0.0	0.0	14251.6	14251.6	14251.6	14251.6	14251.6	14251.6	14251.6	14251.6	14251.6	14251.6	14251.6	14251.6	14251.6	14251.6	14251.6	14251.6	0.0	0.0
Off-Site Motor Vehicle Total	---	0.0	0.0	534.1	534.1	117661.5	126415.4	134921.1	139908.2	139908.2	139908.2	140130.1	173155.1	173155.1	172433.8	128829.9	128829.9	128829.9	128829.9	128608.0	128608.0	129864.2	129401.8	129309.4	129309.4	1147.9	1147.9	1147.9	1240.4	220792.5	279685.4	279777.9	280110.8	221217.9	221217.9	221217.9	221264.1	221310.4	221310.4	221310.4	221791.3	222040.9	221985.5	221208.6	221208.6	28324.0	######

Notes:

Totals may not match sum of individual values because of rounding.

Based on 22 working days per month

Phase 4 - Building Construction - Monthly

Table 6-A Phase 4 - Building Construction - Monthly Motor Vehicle Numbers

Equipment/Vehicle Type	Fuel	Miles/ Day/ vehicle	Monthly Number																																															
			Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
			Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
On-Site Motor Vehicles[a]																																																		
On-Site Heavy Duty Pick Up Truck	Diesel	20	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Flatbed Delivery Truck	Diesel	20	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Motor Vehicles																																																		
Off-site Insulation Truck	Diesel	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-site Roof truck	Diesel	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-site Wall Truck	Diesel	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Structural Steel truck	Diesel	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Mechanical Truck	Diesel	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Architechtural Truck	Diesel	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 6-B Phase 4 - Building Construction - Monthly Motor Vehicle Use

Equipment/Vehicle Type	Fuel	Monthly Miles																																																
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																																	
On-Site Heavy Duty Pick Up Tru	Diesel	0	0	0	0	0	0	0	0	0	0	0	440	440	440	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	440	440	440	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Flatbed Delivery Truck	Diesel	0	0	0	0	0	0	0	0	0	0	0	440	440	440	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	440	440	440	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Motor Vehicles																																																	
Off-site Insulation Truck	Diesel	0	0	0	0	0	0	0	0	0	0	0	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-site Roof truck	Diesel	0	0	0	0	0	0	0	0	0	0	0	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-site Wall Truck	Diesel	0	0	0	0	0	0	0	0	0	0	0	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Structural Steel truck	Diesel	0	0	0	0	0	0	0	0	0	0	0	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Mechanical Truck	Diesel	0	0	0	0	0	0	0	0	0	0	0	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Architechtural Truck	Diesel	0	0	0	0	0	0	0	0	0	0	0	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 6-C Phase 4 - Building Construction - Monthly Motor Vehicle CO Emissions

Equipment/Vehicle Type	Emission Factor (lb/hr or lb/mile)	Monthly Emissions (lb/month)																																																
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																																	
On-Site Heavy Duty Pick Up Tru	0.0015	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0076	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Motor Vehicles																																																	
Off-site Insulation Truck	0.0076	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Roof truck	0.0076	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Wall Truck	0.0076	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Structural Steel truck	0.0076	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Mechanical Truck	0.0076	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Architechtural Truck	0.0076	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Motor Vehicle Total	---	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**4.0**	**4.0**	**4.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**4.0**	**4.0**	**4.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Off-Site Motor Vehicle Total	---	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**1.1**	**1.1**	**1.1**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**1.0**	**1.0**	**1.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Phase 4 - Building Construction - Monthly

Table 6-D Phase 4 - Building Construction - Monthly Motor Vehicle VOC Emissions

Equipment/Vehicle Type	Emission Factor (lb/hr or lb/mile)	Monthly Emissions (lb/month)																																															
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																																	
On-Site Heavy Duty Pick Up Tru	0.0002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0019	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Motor Vehicles																																																	
Off-site Insulation Truck	0.0019	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Roof truck	0.0019	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Wall Truck	0.0019	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Structural Steel truck	0.0019	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Mechanical Truck	0.0019	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Architechtural Truck	0.0019	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Motor Vehicle Total	---	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.9**	**0.9**	**0.9**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.9**	**0.9**	**0.9**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Off-Site Motor Vehicle Total	---	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.3**	**0.3**	**0.3**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.2**	**0.2**	**0.2**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Table 6-E Phase 4 - Building Construction - Monthly Equipment and Motor Vehicle NOx Emissions

Equipment/Vehicle Type	Emission Factor (lb/hr or lb/mile)	Monthly Emissions (lb/month)																																															
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																																	
On-Site Heavy Duty Pick Up Tru	0.0097	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	4.3	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	4.3	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0252	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1	11.1	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1	11.1	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Motor Vehicles																																																	
Off-site Insulation Truck	0.0252	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Roof truck	0.0252	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Wall Truck	0.0252	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Structural Steel truck	0.0252	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Mechanical Truck	0.0252	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Architechtural Truck	0.0252	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Motor Vehicle Total	---	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**15.3**	**15.3**	**15.3**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**15.3**	**15.3**	**15.3**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Off-Site Motor Vehicle Total	---	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**3.8**	**3.8**	**3.8**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**3.1**	**3.1**	**3.1**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Table 6-F Phase 4 - Building Construction - Monthly Motor Vehicle SOx Emissions

Equipment/Vehicle Type	Emission Factor (lb/hr or lb/mile)	Monthly Emissions (lb/month)																																															
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																																	
On-Site Heavy Duty Pick Up Tru	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
On-Site Flatbed Delivery Truck	0.00004	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Site Motor Vehicles																																																	
Off-site Insulation Truck	0.00004	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-site Roof truck	0.00004	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-site Wall Truck	0.00004	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Site Structural Steel truck	0.00004	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Site Mechanical Truck	0.00004	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Site Architechtural Truck	0.00004	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
On-Site Motor Vehicle Total	---	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.02**	**0.02**	**0.02**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.02**	**0.02**	**0.02**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Off-Site Motor Vehicle Total	---	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.01**	**0.01**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Phase 4 - Building Construction - Monthly

Table 6-G Phase 4 - Building Construction - Monthly Motor Vehicle PM10 Emissions

Equipment/Vehicle Type	Emission Factor (lb/hr or lb/mile)	Monthly Emissions (lb/month)																																														
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																																
On-Site Heavy Duty Pick Up Tru	0.0001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0013	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Motor Vehicles																																																
Off-site Insulation Truck	0.0013	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Roof truck	0.0013	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Wall Truck	0.0013	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Structural Steel truck	0.0013	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Mechanical Truck	0.0013	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Architechtural Truck	0.0013	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Motor Vehicle Total	---	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.6**	**0.6**	**0.6**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.6**	**0.6**	**0.6**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Off-Site Motor Vehicle Total	---	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.2**	**0.2**	**0.2**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.2**	**0.2**	**0.2**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Table 6-H Phase 4 - Building Construction - Monthly Motor Vehicle PM2.5 Emissions

Equipment/Vehicle Type	Emission Factor (lb/hr or lb/mile)	Monthly Emissions (lb/month)																																														
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																																
On-Site Heavy Duty Pick Up Tru	0.0001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0011	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Motor Vehicles																																																
Off-site Insulation Truck	0.0011	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Roof truck	0.0011	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Wall Truck	0.0011	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Structural Steel truck	0.0011	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Mechanical Truck	0.0011	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Architechtural Truck	0.0011	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Motor Vehicle Total	---	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.5**	**0.5**	**0.5**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.5**	**0.5**	**0.5**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Off-Site Motor Vehicle Total	---	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.2**	**0.2**	**0.2**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.1**	**0.1**	**0.1**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Table 6-I Phase 4 - Building Construction - Monthly Motor Vehicle CO2e Emissions

Equipment/Vehicle Type	Emission Factor (kg/hr or kg/mile)	Monthly Emissions (kg/month)																																														
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																																
On-Site Heavy Duty Pick Up Tru	0.5	0	0	0	0	0	0	0	0	0	0	0	229	229	229	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	229	229	229	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Flatbed Delivery Truck	1.8	0	0	0	0	0	0	0	0	0	0	0	814	814	814	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	814	814	814	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Motor Vehicles																																																
Off-site Insulation Truck	1.8	0	0	0	0	0	0	0	0	0	0	0	46	46	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-site Roof truck	1.8	0	0	0	0	0	0	0	0	0	0	0	46	46	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46	46	46	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-site Wall Truck	1.8	0	0	0	0	0	0	0	0	0	0	0	46	46	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46	46	46	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Structural Steel truck	1.8	0	0	0	0	0	0	0	0	0	0	0	46	46	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46	46	46	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Mechanical Truck	1.8	0	0	0	0	0	0	0	0	0	0	0	46	46	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46	46	46	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Architechtural Truck	1.8	0	0	0	0	0	0	0	0	0	0	0	46	46	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46	46	46	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Motor Vehicle Total	---	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1043**	**1043**	**1043**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1043**	**1043**	**1043**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Off-Site Motor Vehicle Total	---	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**277**	**277**	**277**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**231**	**231**	**231**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Notes:

Totals may not match sum of individual values because of rounding.

Based on 22 working days per month

Phase 5 Transmission Line - Monthly

Table 7-A Phase 5 Transmission Line - Monthly Motor Vehicle Numbers

Equipment/Vehicle Type	Fuel	Miles/ Day/ vehicle	Monthly Number																																															
			Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
			Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
Off-Site Motor Vehicles[a]																																																		
Off-Site Worker Commute, Car	Gasoline	40	0	0	0	0	0	20	20	20	20	20	20	20	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site 4000 gal Water Truck	Diesel	10	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Water Delivery Truck	Diesel	40	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Concrete Truck	Diesel	40	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Service Truck	Diesel	10	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Equipment/Material Delivery Truck - 1	Diesel	40	0	0	0	0	0	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Equipment/Material Delivery Truck - 2	Diesel	160	0	0	0	0	0	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 7-B Phase 5 Transmission Line - Monthly Motor Vehicle Use

Equipment/Vehicle Type	Fuel	Monthly Miles																																															
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
Off-Site Motor Vehicles[a]																																																	
Off-Site Worker Commute, Car	Gasoline	0	0	0	0	0	17600	17600	17600	17600	17600	17600	17600	17600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site 4000 gal Water Truck	Diesel	0	0	0	0	0	220	220	220	220	220	220	220	220	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Water Delivery Truck	Diesel	0	0	0	0	0	880	880	880	880	880	880	880	880	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Concrete Truck	Diesel	0	0	0	0	0	880	880	880	880	880	880	880	880	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Service Truck	Diesel	0	0	0	0	0	220	220	220	220	220	220	220	220	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Equipment/Material Delivery Truck - 1	Diesel	0	0	0	0	0	1760	1760	1760	1760	1760	1760	1760	1760	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Equipment/Material Delivery Truck - 2	Diesel	0	0	0	0	0	7040	7040	7040	7040	7040	7040	7040	7040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 7-C Phase 5 Transmission Line - Monthly Motor Vehicle CO Emissions

Equipment/Vehicle Type	Emission Factor (lb/hr or lb/mile)	Monthly Emissions (lb/month)																																															
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
Off-Site Motor Vehicles[a]																																																	
Off-Site Worker Commute, Car	0.0059	0.0	0.0	0.0	0.0	0.0	103.2	103.2	103.2	103.2	103.2	103.2	103.2	103.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site 4000 gal Water Truck	0.0076	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Delivery Truck	0.0076	0.0	0.0	0.0	0.0	0.0	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Concrete Truck	0.0076	0.0	0.0	0.0	0.0	0.0	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Service Truck	0.0076	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Equipment/Material Delivery Truck - 1	0.0076	0.0	0.0	0.0	0.0	0.0	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Equipment/Material Delivery Truck - 2	0.0076	0.0	0.0	0.0	0.0	0.0	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Motor Vehicle Total	---	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**187.0**	**187.0**	**187.0**	**187.0**	**187.0**	**187.0**	**187.0**	**187.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Phase 5 Transmission Line - Monthly

Table 7-D Phase 5 Transmission Line - Monthly Motor Vehicle VOC Emissions

Equipment/Vehicle Type	Emission Factor (lb/hr or lb/mile)	Monthly Emissions (lb/month)																																															
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
Off-Site Motor Vehicles[a]																																																	
Off-Site Worker Commute, Car	0.0004	0.0	0.0	0.0	0.0	0.0	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site 4000 gal Water Truck	0.0019	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Delivery Truck	0.0019	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Concrete Truck	0.0019	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Service Truck	0.0019	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Equipment/Material Delivery Truck - 1	0.0019	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Equipment/Material Delivery Truck - 2	0.0019	0.0	0.0	0.0	0.0	0.0	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Motor Vehicle Total	**---**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**27.8**	**27.8**	**27.8**	**27.8**	**27.8**	**27.8**	**27.8**	**27.8**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Table 7-E Phase 5 Transmission Line - Monthly Equipment and Motor Vehicle NOx Emissions

Equipment/Vehicle Type	Emission Factor (lb/hr or lb/mile)	Monthly Emissions (lb/month)																																															
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
Off-Site Motor Vehicles[a]																																																	
Off-Site Worker Commute, Car	0.0005	0.0	0.0	0.0	0.0	0.0	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site 4000 gal Water Truck	0.0252	0.0	0.0	0.0	0.0	0.0	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Delivery Truck	0.0252	0.0	0.0	0.0	0.0	0.0	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Concrete Truck	0.0252	0.0	0.0	0.0	0.0	0.0	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Service Truck	0.0252	0.0	0.0	0.0	0.0	0.0	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Equipment/Material Delivery Truck - 1	0.0252	0.0	0.0	0.0	0.0	0.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Equipment/Material Delivery Truck - 2	0.0252	0.0	0.0	0.0	0.0	0.0	177.4	177.4	177.4	177.4	177.4	177.4	177.4	177.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Motor Vehicle Total	**---**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**286.7**	**286.7**	**286.7**	**286.7**	**286.7**	**286.7**	**286.7**	**286.7**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Table 7-F Phase 5 Transmission Line - Monthly Motor Vehicle SOx Emissions

Equipment/Vehicle Type	Emission Factor (lb/hr or lb/mile)	Monthly Emissions (lb/month)																																															
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
Off-Site Motor Vehicles[a]																																																	
Off-Site Worker Commute, Car	0.00001	0.00	0.00	0.00	0.00	0.00	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Site 4000 gal Water Truck	0.00004	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Site Water Delivery Truck	0.00004	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Site Concrete Truck	0.00004	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Site Service Truck	0.00004	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Site Equipment/Material Delivery Truck - 1	0.00004	0.00	0.00	0.00	0.00	0.00	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Site Equipment/Material Delivery Truck - 2	0.00004	0.00	0.00	0.00	0.00	0.00	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Site Motor Vehicle Total	**---**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.57**	**0.57**	**0.57**	**0.57**	**0.57**	**0.57**	**0.57**	**0.57**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Phase 5 Transmission Line - Monthly

Table 7-G Phase 5 Transmission Line - Monthly Motor Vehicle PM10 Emissions

Equipment/Vehicle Type	Emission Factor (lb/hr or lb/mile)	Monthly Emissions (lb/month)																																															
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
Off-Site Motor Vehicles[a]																																																	
Off-Site Worker Commute, Car	0.0001	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site 4000 gal Water Truck	0.0013	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Delivery Truck	0.0013	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Concrete Truck	0.0013	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Service Truck	0.0013	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Equipment/Material Delivery Truck - 1	0.0013	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Equipment/Material Delivery Truck - 2	0.0013	0.0	0.0	0.0	0.0	0.0	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Motor Vehicle Total	**---**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**15.4**	**15.4**	**15.4**	**15.4**	**15.4**	**15.4**	**15.4**	**15.4**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Table 7-H Phase 5 Transmission Line - Monthly Motor Vehicle PM2.5 Emissions

Equipment/Vehicle Type	Emission Factor (lb/hr or lb/mile)	Monthly Emissions (lb/month)																																															
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
Off-Site Motor Vehicles[a]																																																	
Off-Site Worker Commute, Car	0.0000	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site 4000 gal Water Truck	0.0011	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Delivery Truck	0.0011	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Concrete Truck	0.0011	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Service Truck	0.0011	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Equipment/Material Delivery Truck - 1	0.0011	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Equipment/Material Delivery Truck - 2	0.0011	0.0	0.0	0.0	0.0	0.0	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Motor Vehicle Total	**---**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**12.8**	**12.8**	**12.8**	**12.8**	**12.8**	**12.8**	**12.8**	**12.8**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Table 7-I Phase 5 Transmission Line - Monthly Motor Vehicle CO2e Emissions

Equipment/Vehicle Type	Emission Factor (kg/hr or kg/mile)	Monthly Emissions (kg/month)																																															
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
Off-Site Motor Vehicles[a]																																																	
Off-Site Worker Commute, Car	0.4	0	0	0	0	0	6700	6700	6700	6700	6700	6700	6700	6700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site 4000 gal Water Truck	1.8	0	0	0	0	0	407	407	407	407	407	407	407	407	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Water Delivery Truck	1.8	0	0	0	0	0	1628	1628	1628	1628	1628	1628	1628	1628	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Concrete Truck	1.8	0	0	0	0	0	1628	1628	1628	1628	1628	1628	1628	1628	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Service Truck	1.8	0	0	0	0	0	407	407	407	407	407	407	407	407	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Equipment/Material Delivery Truck - 1	1.8	0	0	0	0	0	3255	3255	3255	3255	3255	3255	3255	3255	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Equipment/Material Delivery Truck - 2	1.8	0	0	0	0	0	13021	13021	13021	13021	13021	13021	13021	13021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Motor Vehicle Total	**---**	**0**	**0**	**0**	**0**	**0**	**27046**	**27046**	**27046**	**27046**	**27046**	**27046**	**27046**	**27046**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Notes:

Totals may not match sum of individual values because of rounding.

Based on 22 working days per month

Phase 6 - Testing and Commissioning - Monthly

Table 8-A Phase 6 - Testing and Commissioning - Monthly Motor Vehicle Numbers

Equipment/Vehicle Type	Fuel	Miles/ Day/ vehicle	Monthly Number																																													
			Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
			Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
On-Site Motor Vehicles																																																
On-Site Heavy Duty Pick Up Truck	Diesel	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
On-Site Service Truck	Diesel	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
Off-Site Motor Vehicles																																																
Off-Site Worker Commute, Car	Gasoline	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	459	459
Off-Site Flat Bed Trucks	Diesel	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02
Off-Site Fuel & Lube	Diesel	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02
Off-site Concrete Truck	Diesel	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00

Table 8-B Phase 6 - Testing and Commissioning - Monthly Motor Vehicle Use

Equipment/Vehicle Type	Fuel	Monthly Miles																																													
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																															
On-Site Heavy Duty Pick Up Truck	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	440	440
On-Site Service Truck	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1100	1100
Off-Site Motor Vehicles																																															
Off-Site Worker Commute, Car	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	404240	404240
Off-Site Flat Bed Trucks	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	13
Off-Site Fuel & Lube	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	13
Off-site Concrete Truck	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	0

Table 8-C Phase 6 - Testing and Commissioning - Monthly Motor Vehicle CO Emissions

Equipment/Vehicle Type	Emission Factor (lb/hr or lb/mile)	Monthly Emissions (lb/month)																																													
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																															
On-Site Heavy Duty Pick Up Truck	0.0015	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
On-Site Service Truck	0.0076	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	8.4
Off-Site Motor Vehicles																																															
Off-Site Worker Commute, Car	0.0059	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2371.3	2371.3
Off-Site Flat Bed Trucks	0.0076	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Off-Site Fuel & Lube	0.0038	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0076	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
On-Site Motor Vehicle Total	---	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**9.0**	**9.0**
Off-Site Motor Vehicle Total	---	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**2371.6**	**2371.4**

Phase 6 - Testing and Commissioning - Monthly

Table 8-D Phase 6 - Testing and Commissioning - Monthly Motor Vehicle VOC Emissions

Equipment/Vehicle Type	Emission Factor (lb/hr or lb/mile)	Monthly Emissions (lb/month)																																													
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																															
On-Site Heavy Duty Pick Up Truck	0.0002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
On-Site Service Truck	0.0019	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
Off-Site Motor Vehicles																																															
Off-Site Worker Commute, Car	0.0004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	158.6	158.6
Off-Site Flat Bed Trucks	0.0019	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0019	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Motor Vehicle Total	---	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**2.2**	**2.2**
Off-Site Motor Vehicle Total	---	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**158.7**	**158.6**

Table 8-E Phase 6 - Testing and Commissioning - Monthly Equipment and Motor Vehicle NOx Emissions

Equipment/Vehicle Type	Emission Factor (lb/hr or lb/mile)	Monthly Emissions (lb/month)																																													
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																															
On-Site Heavy Duty Pick Up Truck	0.0097	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	4.3
On-Site Service Truck	0.0252	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.7	27.7
Off-Site Motor Vehicles																																															
Off-Site Worker Commute, Car	0.0005	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	219.9	219.9
Off-Site Flat Bed Trucks	0.0252	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
Off-Site Fuel & Lube	0.0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
Off-site Concrete Truck	0.0252	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0
On-Site Motor Vehicle Total	---	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**32.0**	**32.0**
Off-Site Motor Vehicle Total	---	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**221.1**	**220.4**

Table 8-F Phase 6 - Testing and Commissioning - Monthly Motor Vehicle SOx Emissions

Equipment/Vehicle Type	Emission Factor (lb/hr or lb/mile)	Monthly Emissions (lb/month)																																													
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																															
On-Site Heavy Duty Pick Up Truck	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
On-Site Service Truck	0.00004	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04
Off-Site Motor Vehicles																																															
Off-Site Worker Commute, Car	0.00001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.28	3.28
Off-Site Flat Bed Trucks	0.00004	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Site Fuel & Lube	0.00003	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-site Concrete Truck	0.00004	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
On-Site Motor Vehicle Total	---	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Off-Site Motor Vehicle Total	---	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**3.3**	**3.3**

Phase 6 - Testing and Commissioning - Monthly

Table 8-G Phase 6 - Testing and Commissioning - Monthly Motor Vehicle PM10 Emissions

Equipment/Vehicle Type	Emission Factor (lb/hr or lb/mile)	Monthly Emissions (lb/month)																																															
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																																	
On-Site Heavy Duty Pick Up Truck	0.0001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0013	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
Off-Site Motor Vehicles																																																	
Off-Site Worker Commute, Car	0.0001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.8	32.8
Off-Site Flat Bed Trucks	0.0013	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0013	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Motor Vehicle Total	---	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**1.4**	**1.4**
Off-Site Motor Vehicle Total	---	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**32.9**	**32.8**

Table 8-H Phase 6 - Testing and Commissioning - Monthly Motor Vehicle PM2.5 Emissions

Equipment/Vehicle Type	Emission Factor (lb/hr or lb/mile)	Monthly Emissions (lb/month)																																															
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																																	
On-Site Heavy Duty Pick Up Truck	0.0001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0011	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
Off-Site Motor Vehicles																																																	
Off-Site Worker Commute, Car	0.0000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	20.0
Off-Site Flat Bed Trucks	0.0011	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0011	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Motor Vehicle Total	---	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**1.2**	**1.2**
Off-Site Motor Vehicle Total	---	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**20.1**	**20.0**

Table 8-I Phase 6 - Testing and Commissioning - Monthly Motor Vehicle CO2e Emissions

Equipment/Vehicle Type	Emission Factor (kg/hr or kg/mile)	Monthly Emissions (kg/month)																																															
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																																	
On-Site Heavy Duty Pick Up Truck	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	229	229
On-Site Service Truck	1.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2035	2035
Off-Site Motor Vehicles																																																	
Off-Site Worker Commute, Car	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	153891	153891
Off-Site Flat Bed Trucks	1.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	23
Off-Site Fuel & Lube	1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	19
Off-site Concrete Truck	1.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46	0
On-Site Motor Vehicle Total	---	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**2263.8**	**2263.8**
Off-Site Motor Vehicle Total	---	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**153978.9**	**153932.6**

Notes:

Totals may not match sum of individual values because of rounding.

Based on 22 working days per month

Summary of Monthly Vehicle Emissions from All Phases

Table 9a Monthly Vehicle - All Phases CO Emissions Summary

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
Monthly Emissions (lb/month)																																														
On-Site Vehicles	46.1	29.4	102.1	206.0	100.4	100.4	67.0	67.0	67.0	67.0	67.0	71.0	71.0	71.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	46.1	46.1	10.1	10.1	67.0	71.0	71.0	71.0	67.0	67.0	67.0	67.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	9.0	9.0
Off-Site Vehicles	282.8	282.8	575.1	668.2	1572.2	1886.0	2014.1	2090.9	2090.9	2090.9	2091.8	2602.1	2596.0	2406.0	1778.9	1778.9	1778.9	1778.9	1778.0	1778.0	1797.3	1795.4	1795.0	1795.0	7.4	7.0	4.0	16.2	3092.2	3999.7	4001.1	4002.4	3095.0	3094.4	3094.4	3094.6	3082.6	3082.6	3082.6	3084.6	3085.6	3085.4	3082.2	3082.2	2487.8	2483.0
Monthly Total	**328.9**	**312.2**	**677.3**	**874.2**	**1672.7**	**1986.4**	**2081.1**	**2158.0**	**2158.0**	**2158.0**	**2158.9**	**2673.1**	**2667.0**	**2477.0**	**1835.9**	**1835.9**	**1835.9**	**1835.9**	**1835.0**	**1835.0**	**1854.3**	**1852.4**	**1852.0**	**1852.0**	**53.5**	**53.1**	**14.0**	**26.2**	**3159.3**	**4070.8**	**4072.1**	**4073.5**	**3162.0**	**3161.4**	**3161.4**	**3161.6**	**3139.6**	**3139.6**	**3139.6**	**3141.5**	**3142.6**	**3142.3**	**3139.1**	**3139.1**	**2496.8**	**2492.0**

Table 9b Monthly Vehicle - All Phases VOC Emissions Summary

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
Monthly Emissions (lb/month)																																														
On-Site Vehicles	6.2	4.9	19.9	45.8	14.2	14.2	11.5	11.5	11.5	11.5	11.5	12.4	12.4	12.4	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	6.2	6.2	2.5	2.5	11.5	12.4	12.4	12.4	11.5	11.5	11.5	11.5	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	2.2	2.2
Off-Site Vehicles	19.4	19.4	39.0	46.3	122.8	159.6	167.9	173.0	173.0	173.0	173.2	207.6	206.1	177.6	132.3	132.3	132.3	132.3	132.1	132.1	133.4	132.9	132.8	132.8	1.7	1.6	0.8	3.8	230.0	290.7	291.1	291.4	230.7	230.6	230.6	230.6	227.6	227.6	227.6	228.1	228.4	228.3	227.5	227.5	187.5	186.3
Monthly Total	**25.6**	**24.2**	**58.9**	**92.1**	**137.0**	**173.8**	**179.4**	**184.5**	**184.5**	**184.5**	**184.7**	**220.0**	**218.5**	**190.0**	**141.3**	**141.3**	**141.3**	**141.3**	**141.1**	**141.1**	**142.4**	**141.9**	**141.8**	**141.8**	**7.9**	**7.8**	**3.3**	**6.4**	**241.5**	**303.1**	**303.5**	**303.8**	**242.2**	**242.0**	**242.0**	**242.1**	**236.6**	**236.6**	**236.6**	**237.1**	**237.3**	**237.3**	**236.5**	**236.5**	**189.7**	**188.5**

Table 9c Monthly Vehicle - All Phases NOx Emissions Summary

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
Monthly Emissions (lb/month)																																														
On-Site Vehicles	125.8	54.6	369.6	713.2	337.4	337.4	195.1	195.1	195.1	195.1	195.1	210.4	210.4	210.4	161.8	161.8	161.8	161.8	161.8	161.8	161.8	161.8	161.8	161.8	125.8	125.8	33.3	33.3	195.1	210.4	210.4	210.4	195.1	195.1	195.1	195.1	161.8	161.8	161.8	161.8	161.8	161.8	161.8	161.8	32.0	32.0
Off-Site Vehicles	36.2	36.2	67.6	95.2	460.3	768.3	775.3	782.4	782.4	782.4	785.5	837.1	816.9	520.4	404.7	404.7	404.7	404.7	401.6	401.6	403.4	397.1	395.9	395.9	25.6	24.4	14.3	54.6	699.8	784.0	788.4	792.9	708.8	706.9	706.9	707.5	667.8	667.8	667.8	674.4	677.8	677.0	666.5	666.5	606.0	590.2
Monthly Total	**161.9**	**90.8**	**437.1**	**808.4**	**797.7**	**1105.7**	**970.4**	**977.5**	**977.5**	**977.5**	**980.5**	**1047.5**	**1027.3**	**730.8**	**566.5**	**566.5**	**566.5**	**566.5**	**563.5**	**563.5**	**565.2**	**558.9**	**557.7**	**557.7**	**151.4**	**150.2**	**47.6**	**87.9**	**894.9**	**994.4**	**998.8**	**1003.3**	**903.8**	**902.0**	**902.0**	**902.6**	**829.6**	**829.6**	**829.6**	**836.2**	**839.6**	**838.8**	**828.3**	**828.3**	**637.9**	**622.2**

Table 9d Monthly Vehicle - All Phases SOx Emissions Summary

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
Monthly Emissions (lb/month)																																														
On-Site Vehicles	0.2	0.1	0.6	1.2	0.6	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0
Off-Site Vehicles	0.4	0.4	0.8	1.0	2.5	3.3	3.5	3.6	3.6	3.6	3.6	4.3	4.3	3.7	2.7	2.7	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.1	4.8	6.0	6.0	6.0	4.8	4.8	4.8	4.8	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	3.9	3.9
Monthly Total	**0.6**	**0.5**	**1.4**	**2.1**	**3.2**	**3.9**	**3.8**	**3.9**	**3.9**	**3.9**	**3.9**	**4.7**	**4.6**	**4.0**	**3.0**	**3.0**	**3.0**	**3.0**	**3.0**	**3.0**	**3.1**	**3.1**	**3.1**	**3.1**	**0.3**	**0.3**	**0.1**	**0.1**	**5.1**	**6.4**	**6.4**	**6.4**	**5.1**	**5.1**	**5.1**	**5.1**	**5.0**	**5.0**	**5.0**	**5.0**	**5.0**	**5.0**	**5.0**	**5.0**	**3.9**	**3.9**

Table 9e Monthly Vehicle - All Phases PM10 Emissions Summary

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
Monthly Emissions (lb/month)																																														
On-Site Vehicles	4.7	2.9	15.2	32.6	12.0	12.0	8.2	8.2	8.2	8.2	8.2	8.8	8.8	8.8	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	4.7	4.7	1.7	1.7	8.2	8.8	8.8	8.8	8.2	8.2	8.2	8.2	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	1.4	1.4
Off-Site Vehicles	4.3	4.3	8.5	10.7	36.6	54.2	55.8	56.8	56.8	56.8	57.0	64.3	63.2	47.3	35.9	35.9	35.9	35.9	35.8	35.8	36.0	35.7	35.7	35.7	1.2	1.1	0.6	2.6	62.3	74.9	75.1	75.4	62.8	62.7	62.7	62.7	60.7	60.7	60.7	61.1	61.2	61.2	60.7	60.7	52.2	51.4
Monthly Total	**9.1**	**7.2**	**23.8**	**43.3**	**48.6**	**66.3**	**64.0**	**65.1**	**65.1**	**65.1**	**65.2**	**73.1**	**72.1**	**56.2**	**42.5**	**42.5**	**42.5**	**42.5**	**42.3**	**42.3**	**42.6**	**42.3**	**42.2**	**42.2**	**5.9**	**5.9**	**2.3**	**4.3**	**70.6**	**83.7**	**84.0**	**84.2**	**71.0**	**70.9**	**70.9**	**71.0**	**67.3**	**67.3**	**67.3**	**67.6**	**67.8**	**67.8**	**67.2**	**67.2**	**53.7**	**52.9**

Table 9f Monthly Vehicle - All Phases PM2.5 Emissions Summary

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
Monthly Emissions (lb/month)																																														
On-Site Vehicles	4.0	2.4	13.0	27.8	10.2	10.2	7.0	7.0	7.0	7.0	7.0	7.5	7.5	7.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	4.0	4.0	1.4	1.4	7.0	7.5	7.5	7.5	7.0	7.0	7.0	7.0	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	1.2	1.2
Off-Site Vehicles	2.8	2.8	5.4	6.9	26.3	40.6	41.5	42.1	42.1	42.1	42.2	46.7	45.9	32.6	24.9	24.9	24.9	24.9	24.8	24.8	25.0	24.7	24.6	24.6	1.0	1.0	0.5	2.3	43.2	50.9	51.1	51.3	43.6	43.5	43.5	43.6	41.9	41.9	41.9	42.1	42.3	42.3	41.8	41.8	36.6	35.9
Monthly Total	**6.8**	**5.2**	**18.4**	**34.7**	**36.5**	**50.8**	**48.5**	**49.1**	**49.1**	**49.1**	**49.2**	**54.2**	**53.4**	**40.1**	**30.5**	**30.5**	**30.5**	**30.5**	**30.4**	**30.4**	**30.5**	**30.3**	**30.2**	**30.2**	**5.0**	**5.0**	**1.9**	**3.7**	**50.2**	**58.4**	**58.6**	**58.8**	**50.6**	**50.6**	**50.6**	**50.6**	**47.4**	**47.4**	**47.4**	**47.7**	**47.9**	**47.8**	**47.4**	**47.4**	**37.8**	**37.1**

Table 9g Monthly Vehicle - All Phases CO2e Emissions Summary

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
Monthly Emissions (Tonnes/month)																																														
On-Site Vehicles	11.6	4.9	30.0	55.2	30.0	30.0	16.7	16.7	16.7	16.7	16.7	17.7	17.7	17.7	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	11.6	11.6	2.4	2.4	16.7	17.7	17.7	17.7	16.7	16.7	16.7	16.7	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	2.3	2.3
Off-Site Vehicles	18.9	18.9	38.2	45.3	119.6	155.4	163.4	168.4	168.4	168.4	168.6	202.0	200.5	172.7	128.8	128.8	128.8	128.8	128.6	128.6	129.9	129.4	129.3	129.3	2.0	1.9	1.1	4.1	223.7	282.6	282.9	283.2	224.3	224.2	224.2	224.2	221.3	221.3	221.3	221.8	222.0	222.0	221.2	221.2	182.3	181.1
Monthly Total	**30.6**	**23.9**	**68.2**	**100.6**	**149.6**	**185.4**	**180.1**	**185.1**	**185.1**	**185.1**	**185.3**	**219.7**	**218.2**	**190.4**	**143.1**	**143.1**	**143.1**	**143.1**	**142.9**	**142.9**	**144.1**	**143.7**	**143.6**	**143.6**	**13.6**	**13.5**	**3.6**	**6.5**	**240.4**	**300.3**	**300.6**	**300.9**	**241.0**	**240.9**	**240.9**	**240.9**	**235.6**	**235.6**	**235.6**	**236.0**	**236.3**	**236.2**	**235.5**	**235.5**	**184.6**	**183.4**

Attachment 1-D

Summary of Criteria Pollutants Emissions

Summary of Daily Unmitigated Equipment Emissions from All Phases

Table 1a Unmitigated Equipment Emissions CO Emissions Summary

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
Daily Emissions (lb/day)																																														
Phase 1	4.71	4.71																							4.57	4.57																				
Phase 2			18.90	18.90	18.90	18.90	18.90	18.90	18.90	18.90	17.58	17.58	17.58	17.58													16.80	16.80	16.80	16.80	16.80	16.80	16.80	16.80	16.12	16.12	16.12	16.12								
Phase 3					12.92	12.92	12.92	12.92	12.92	12.92	12.66	12.66	12.66	12.66	12.66	12.66	12.66	12.66	12.66	12.66	12.66	12.66	12.43	12.43					12.43	12.43	12.43	12.43	12.43	12.43	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26		
Phase 4												2.61	2.61	2.61																2.54	2.54	2.54														
Phase 5						5.38	5.38	5.38	5.38	5.38	5.12	5.12	5.12																																	
Phase 6																																												4.16	4.16	
Total	4.71	4.71	18.90	18.90	31.82	37.20	37.20	37.20	37.20	37.20	35.36	37.97	37.97	32.85	12.66	12.66	12.66	12.66	12.66	12.66	12.66	12.66	12.43	12.43	4.57	4.57	16.80	16.80	29.23	31.78	31.78	31.78	29.23	29.23	28.37	28.37	28.37	28.37	12.26	12.26	12.26	12.26	12.26	16.41	4.16	0.00
Maximum Daily	**38.0**																																													

Table 1b Unmitigated Equipment Emissions VOC Emissions Summary

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
Daily Emissions (lb/day)																																														
Phase 1	1.32	1.32																							1.15	1.15																				
Phase 2			5.93	5.93	5.93	5.93	5.93	5.93	5.93	5.93	5.00	5.00	5.00	5.00													4.71	4.71	4.71	4.71	4.71	4.71	4.71	4.71	4.41	4.41	4.41	4.41								
Phase 3					3.57	3.57	3.57	3.57	3.57	3.57	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.07	3.07					3.07	3.07	3.07	3.07	3.07	3.07	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84		
Phase 4												0.76	0.76	0.76																0.70	0.70	0.70														
Phase 5						1.71	1.71	1.71	1.71	1.71	1.61	1.61	1.61																																	
Phase 6																																												2.23	2.23	
Total	1.32	1.32	5.93	5.93	9.50	11.22	11.22	11.22	11.22	11.22	9.93	10.69	10.69	9.08	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.07	3.07	1.15	1.15	4.71	4.71	7.79	8.49	8.49	8.49	7.79	7.79	7.25	7.25	7.25	7.25	2.84	2.84	2.84	2.84	2.84	5.07	2.23	0.00
Maximum Daily	**11.2**																																													

Table 1c Unmitigated Equipment Emissions NOx Emissions Summary

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
Daily Emissions (lb/day)																																														
Phase 1	7.16	7.16																							6.43	6.43																				
Phase 2			44.54	44.54	44.54	44.54	44.54	44.54	44.54	44.54	39.96	39.96	39.96	39.96													37.03	37.03	37.03	37.03	37.03	37.03	37.03	37.03	34.03	34.03	34.03	34.03								
Phase 3					21.54	21.54	21.54	21.54	21.54	21.54	20.14	20.14	20.14	20.14	20.14	20.14	20.14	20.14	20.14	20.14	20.14	20.14	18.71	18.71					18.71	18.71	18.71	18.71	18.71	18.71	17.37	17.37	17.37	17.37	17.37	17.37	17.37	17.37	17.37	17.37		
Phase 4												4.47	4.47	4.47																4.17	4.17	4.17														
Phase 5						14.17	14.17	14.17	14.17	14.17	12.99	12.99	12.99																																	
Phase 6																																												8.29	8.29	
Total	7.16	7.16	44.54	44.54	66.08	80.25	80.25	80.25	80.25	80.25	73.10	77.57	77.57	64.58	20.14	20.14	20.14	20.14	20.14	20.14	20.14	20.14	18.71	18.71	6.43	6.43	37.03	37.03	55.74	59.91	59.91	59.91	55.74	55.74	51.39	51.39	51.39	51.39	17.37	17.37	17.37	17.37	17.37	25.65	8.29	0.00
Maximum Daily	**80.2**																																													

Table 1d Unmitigated Equipment Emissions SOx Emissions Summary

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
Daily Emissions (lb/day)																																														
Phase 1	0.00	0.00																							0.00	0.00																				
Phase 2			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00													0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00								
Phase 3					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Phase 4												0.00	0.00	0.00																0.00	0.00	0.00														
Phase 5						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00																																	
Phase 6																																												0.01	0.01	
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00
Maximum Daily	**0.0**																																													

Table 1e Unmitigated Equipment Emissions PM10 Emissions Summary

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
Daily Emissions (lb/day)																																														
Phase 1	0.61	0.61																							0.53	0.53																				
Phase 2			1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.67	1.67	1.67	1.67													1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.38	1.38	1.38	1.38								
Phase 3					1.51	1.51	1.51	1.51	1.51	1.51	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.25	1.25					1.25	1.25	1.25	1.25	1.25	1.25	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14		
Phase 4												0.27	0.27	0.27																0.24	0.24	0.24														
Phase 5						0.57	0.57	0.57	0.57	0.57	0.51	0.51	0.51																																	
Phase 6																																												0.37	0.37	
Total	0.61	0.61	1.87	1.87	3.38	3.95	3.95	3.95	3.95	3.95	3.56	3.82	3.82	3.31	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.25	1.25	0.53	0.53	1.52	1.52	2.76	3.00	3.00	3.00	2.76	2.76	2.51	2.51	2.51	2.51	1.14	1.14	1.14	1.14	1.14	1.50	0.37	0.00
Maximum Daily	**3.9**																																													

Table 1f Unmitigated Equipment Emissions PM2.5 Emissions Summary

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
Daily Emissions (lb/day)																																														
Phase 1	0.56	0.56																							0.48	0.48																				
Phase 2			1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.53	1.53	1.53	1.53													1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.27	1.27	1.27	1.27								
Phase 3					1.39	1.39	1.39	1.39	1.39	1.39	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.15	1.15					1.15	1.15	1.15	1.15	1.15	1.15	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05		
Phase 4												0.25	0.25	0.25																0.22	0.22	0.22														
Phase 5						0.52	0.52	0.52	0.52	0.52	0.47	0.47	0.47																																	
Phase 6																																												0.32	0.32	
Total	0.56	0.56	1.71	1.71	3.10	3.63	3.63	3.63	3.63	3.63	3.27	3.52	3.52	3.04	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.15	1.15	0.48	0.48	1.40	1.40	2.54	2.76	2.76	2.76	2.54	2.54	2.31	2.31	2.31	2.31	1.05	1.05	1.05	1.05	1.05	1.37	0.32	0.00
Maximum Daily	**3.6**																																													

Table 1g Unmitigated Equipment Emissions CO2e Emissions Summary

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
Monthly Emissions (lb/day)																																														
Phase 1	632	632																							632	632																				
Phase 2			5187	5187	5187	5187	5187	5187	5187	5187	4945	4945	4945	4945													4989	4989	4989	4989	4989	4989	4989	4989	4989	4989	4989	4989								
Phase 3					2367	2367	2367	2367	2367	2367	2367	2367	2367	2367	2367	2367	2367	2367	2367	2367	2367	2367	2367	2367					2367	2367	2367	2367	2367	2367	2367	2367	2367	2367	2367	2367	2367	2367	2367	2367		
Phase 4												515	515	515																515	515	515														
Phase 5						1657	1657	1657	1657	1657	1657	1657	1657																																	
Phase 6																																												1495	1495	
Total	632	632	5187	5187	7554	9212	9212	9212	9212	9212	8970	9485	9485	7828	2367	2367	2367	2367	2367	2367	2367	2367	2367	2367	632	632	4989	4989	7356	7871	7871	7871	7356	7356	7356	7356	7356	7356	2367	2367	2367	2367	2367	3863	1495	0
Maximum Daily	**9485**																																													

Table 2 Summary of Daily Fugitive Dust Emissions from All Phases

	Daily Acreage Graded (acres/day)																																															
Schedule	**Month 1**	**Month 2**	**Month 3**	**Month 4**	**Month 5**	**Month 6**	**Month 7**	**Month 8**	**Month 9**	**Month 10**	**Month 11**	**Month 12**	**Month 13**	**Month 14**	**Month 15**	**Month 16**	**Month 17**	**Month 18**	**Month 19**	**Month 20**	**Month 21**	**Month 22**	**Month 23**	**Month 24**	**Month 25**	**Month 26**	**Month 27**	**Month 28**	**Month 29**	**Month 30**	**Month 31**	**Month 32**	**Month 33**	**Month 34**	**Month 35**	**Month 36**	**Month 37**	**Month 38**	**Month 39**	**Month 40**	**Month 41**	**Month 42**	**Month 43**	**Month 44**	**Month 45**	**Month 46**
Month-Year	**Mar-13**	**Apr-13**	**May-13**	**Jun-13**	**Jul-13**	**Aug-13**	**Sep-13**	**Oct-13**	**Nov-13**	**Dec-13**	**Jan-14**	**Feb-14**	**Mar-14**	**Apr-14**	**May-14**	**Jun-14**	**Jul-14**	**Aug-14**	**Sep-14**	**Oct-14**	**Nov-14**	**Dec-14**	**Jan-15**	**Feb-15**	**Mar-15**	**Apr-15**	**May-15**	**Jun-15**	**Jul-15**	**Aug-15**	**Sep-15**	**Oct-15**	**Nov-15**	**Dec-15**	**Jan-16**	**Feb-16**	**Mar-16**	**Apr-16**	**May-16**	**Jun-16**	**Jul-16**	**Aug-16**	**Sep-16**	**Oct-16**	**Nov-16**	**Dec-16**
Working Days/Month	**21**	**22**	**23**	**20**	**23**	**22**	**21**	**23**	**21**	**22**	**23**	**20**	**21**	**22**	**22**	**21**	**23**	**21**	**22**	**23**	**20**	**23**	**22**	**20**	**22**	**22**	**21**	**22**	**23**	**21**	**22**	**22**	**21**	**23**	**21**	**21**	**23**	**21**	**22**	**22**	**21**	**23**	**22**	**21**	**22**	
Phase 1 (acres/day)	4	4	4	4	4	4	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	4	4	4	4	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0
Phase 2 (acres/day)	0	0	4	4	4	4	4	4	4	4	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	4	4	4	4	4	4	4	4	4	4	4	4	0	0	0	0	0	0	0	0
Phase 3 (acres/day)	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0
Phase 4 (acres/day)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 5 (acres/day)	0	0	0	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 6 (acres/day)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0.5	0	0
Total Daily Acres Graded	4	4	8	8	9	9.2	9.2	9.2	9.2	9.2	5.2	5.2	5.2	5	1	1	1	1	1	1	1	1	1	1	4	4	8	8	9	9	9	9	9	9	5	5	5	5	1	1	1	1	1	1.5	0.5	0
Daily PM10 Emissions (lb/day)	48.88	48.88	97.76	97.76	109.98	112.42	112.42	112.42	112.42	112.42	63.54	63.54	63.54	61.10	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	48.88	48.88	97.76	97.76	109.98	109.98	109.98	109.98	109.98	109.98	61.10	61.10	61.10	61.10	12.22	12.22	12.22	12.22	12.22	18.33	6.11	0.00
Daily PM2.5 Emissions (lb/day)	10.17	10.17	20.33	20.33	22.88	23.38	23.38	23.38	23.38	23.38	13.22	13.22	13.22	12.71	2.54	2.54	2.54	2.54	2.54	2.54	2.54	2.54	2.54	2.54	10.17	10.17	20.33	20.33	22.88	22.88	22.88	22.88	22.88	22.88	12.71	12.71	12.71	12.71	2.54	2.54	2.54	2.54	2.54	3.81	1.27	0.00

Emission Factor 12.22 lb/acre

PM2.5 Fraction of PM10 in Construction Dust = 0.208 from Appendix A, Final–Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, SCAQMD, October 2006

Summary of Daily Vehicle Emissions from All Phases

Table 3a Daily Vehicle - All Phases CO Emissions Summary

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
Daily Emissions (lb/day)																																														
On-Site Vehicles	2.1	1.3	4.6	9.4	4.6	4.6	3.0	3.0	3.0	3.0	3.0	3.2	3.2	3.2	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.1	2.1	0.5	0.5	3.0	3.2	3.2	3.2	3.0	3.0	3.0	3.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.4	0.4
Off-Site Vehicles	12.9	12.9	26.1	30.4	71.5	85.7	91.5	95.0	95.0	95.0	95.1	118.3	118.0	109.4	80.9	80.9	80.9	80.9	80.8	80.8	81.7	81.6	81.6	81.6	0.3	0.3	0.2	0.7	140.6	181.8	181.9	181.9	140.7	140.7	140.7	140.7	140.1	140.1	140.1	140.2	140.3	140.2	140.1	140.1	113.1	112.9
Daily Total	**14.9**	**14.2**	**30.8**	**39.7**	**76.0**	**90.3**	**94.6**	**98.1**	**98.1**	**98.1**	**98.1**	**121.5**	**121.2**	**112.6**	**83.4**	**83.4**	**83.4**	**83.4**	**83.4**	**83.4**	**84.3**	**84.2**	**84.2**	**84.2**	**2.4**	**2.4**	**0.6**	**1.2**	**143.6**	**185.0**	**185.1**	**185.2**	**143.7**	**143.7**	**143.7**	**143.7**	**142.7**	**142.7**	**142.7**	**142.8**	**142.8**	**142.8**	**142.7**	**142.7**	**113.5**	**113.3**

Table 3b Daily Vehicle - All Phases VOC Emissions Summary

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
Daily Emissions (lb/day)																																														
On-Site Vehicles	0.3	0.2	0.9	2.1	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.1	0.1	0.5	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.1	0.1
Off-Site Vehicles	0.9	0.9	1.8	2.1	5.6	7.3	7.6	7.9	7.9	7.9	7.9	9.4	9.4	8.1	6.0	6.0	6.0	6.0	6.0	6.0	6.1	6.0	6.0	6.0	0.1	0.1	0.0	0.2	10.5	13.2	13.2	13.2	10.5	10.5	10.5	10.5	10.3	10.3	10.3	10.4	10.4	10.4	10.3	10.3	8.5	8.5
Daily Total	**1.2**	**1.1**	**2.7**	**4.2**	**6.2**	**7.9**	**8.2**	**8.4**	**8.4**	**8.4**	**8.4**	**10.0**	**9.9**	**8.6**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.5**	**6.4**	**6.4**	**6.4**	**0.4**	**0.4**	**0.2**	**0.3**	**11.0**	**13.8**	**13.8**	**13.8**	**11.0**	**11.0**	**11.0**	**11.0**	**10.8**	**10.8**	**10.8**	**10.8**	**10.8**	**10.8**	**10.7**	**10.7**	**8.6**	**8.6**

Table 3c Daily Vehicle - All Phases NOx Emissions Summary

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
Daily Emissions (lb/day)																																														
On-Site Vehicles	5.7	2.5	16.8	32.4	15.3	15.3	8.9	8.9	8.9	8.9	8.9	9.6	9.6	9.6	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	5.7	5.7	1.5	1.5	8.9	9.6	9.6	9.6	8.9	8.9	8.9	8.9	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	1.5	1.5
Off-Site Vehicles	1.6	1.6	3.1	4.3	20.9	34.9	35.2	35.6	35.6	35.6	35.7	38.0	37.1	23.7	18.4	18.4	18.4	18.4	18.3	18.3	18.3	18.1	18.0	18.0	1.2	1.1	0.6	2.5	31.8	35.6	35.8	36.0	32.2	32.1	32.1	32.2	30.4	30.4	30.4	30.7	30.8	30.8	30.3	30.3	27.5	26.8
Daily Total	**7.4**	**4.1**	**19.9**	**36.7**	**36.3**	**50.3**	**44.1**	**44.4**	**44.4**	**44.4**	**44.6**	**47.6**	**46.7**	**33.2**	**25.7**	**25.7**	**25.7**	**25.7**	**25.6**	**25.6**	**25.7**	**25.4**	**25.3**	**25.3**	**6.9**	**6.8**	**2.2**	**4.0**	**40.7**	**45.2**	**45.4**	**45.6**	**41.1**	**41.0**	**41.0**	**41.0**	**37.7**	**37.7**	**37.7**	**38.0**	**38.2**	**38.1**	**37.6**	**37.6**	**29.0**	**28.3**

Table 3d Daily Vehicle - All Phases SOx Emissions Summary

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
Daily Emissions (lb/day)																																														
On-Site Vehicles	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Vehicles	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Daily Total	**0.0**	**0.0**	**0.1**	**0.1**	**0.1**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.0**	**0.0**	**0.0**	**0.0**	**0.2**	**0.3**	**0.3**	**0.3**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**

Table 3e Daily Vehicle - All Phases PM10 Emissions Summary

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
Daily Emissions (lb/day)																																														
On-Site Vehicles	0.2	0.1	0.7	1.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.1	0.1
Off-Site Vehicles	0.2	0.2	0.4	0.5	1.7	2.5	2.5	2.6	2.6	2.6	2.6	2.9	2.9	2.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.1	0.1	0.0	0.1	2.8	3.4	3.4	3.4	2.9	2.8	2.8	2.9	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.4	2.3
Daily Total	**0.4**	**0.3**	**1.1**	**2.0**	**2.2**	**3.0**	**2.9**	**3.0**	**3.0**	**3.0**	**3.0**	**3.3**	**3.3**	**2.6**	**1.9**	**1.9**	**1.9**	**1.9**	**1.9**	**1.9**	**1.9**	**1.9**	**1.9**	**1.9**	**0.3**	**0.3**	**0.1**	**0.2**	**3.2**	**3.8**	**3.8**	**3.8**	**3.2**	**3.2**	**3.2**	**3.2**	**3.1**	**3.1**	**3.1**	**3.1**	**3.1**	**3.1**	**3.1**	**3.1**	**2.4**	**2.4**

Table 3f Daily Vehicle - All Phases PM2.5 Emissions Summary

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
Daily Emissions (lb/day)																																														
On-Site Vehicles	0.2	0.1	0.6	1.3	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.1	0.1
Off-Site Vehicles	0.1	0.1	0.2	0.3	1.2	1.8	1.9	1.9	1.9	1.9	1.9	2.1	2.1	1.5	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.1	2.0	2.3	2.3	2.3	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.7	1.6
Daily Total	**0.3**	**0.2**	**0.8**	**1.6**	**1.7**	**2.3**	**2.2**	**2.2**	**2.2**	**2.2**	**2.2**	**2.5**	**2.4**	**1.8**	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**	**0.2**	**0.2**	**0.1**	**0.2**	**2.3**	**2.7**	**2.7**	**2.7**	**2.3**	**2.3**	**2.3**	**2.3**	**2.2**	**2.2**	**2.2**	**2.2**	**2.2**	**2.2**	**2.2**	**2.2**	**1.7**	**1.7**

Table 3g Daily Vehicle - All Phases CO2e Emissions Summary

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
Daily Emissions (Tonnes/day)																																														
On-Site Vehicles	0.5	0.2	1.4	2.5	1.4	1.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.1	0.1	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.1	0.1
Off-Site Vehicles	0.9	0.9	1.7	2.1	5.4	7.1	7.4	7.7	7.7	7.7	7.7	9.2	9.1	7.9	5.9	5.9	5.9	5.9	5.8	5.8	5.9	5.9	5.9	5.9	0.1	0.1	0.1	0.2	10.2	12.8	12.9	12.9	10.2	10.2	10.2	10.2	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	8.3	8.2
Daily Total	**1.4**	**1.1**	**3.1**	**4.6**	**6.8**	**8.4**	**8.2**	**8.4**	**8.4**	**8.4**	**8.4**	**10.0**	**9.9**	**8.7**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.6**	**6.5**	**6.5**	**6.5**	**0.6**	**0.6**	**0.2**	**0.3**	**10.9**	**13.6**	**13.7**	**13.7**	**11.0**	**10.9**	**10.9**	**11.0**	**10.7**	**10.7**	**10.7**	**10.7**	**10.7**	**10.7**	**10.7**	**10.7**	**8.4**	**8.3**

Summary of Unmitigated Daily Emissions from All Phases

Table 4a Daily Unmitigated Emissions - All Phases CO Emissions Summary

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
Daily Emissions (lb/day)																																														
Equipment	4.71	4.71	18.90	18.90	31.82	37.20	37.20	37.20	37.20	37.20	35.36	37.97	37.97	32.85	12.66	12.66	12.66	12.66	12.66	12.66	12.66	12.66	12.43	12.43	4.57	4.57	16.80	16.80	29.23	31.78	31.78	31.78	29.23	29.23	28.37	28.37	28.37	28.37	12.26	12.26	12.26	12.26	12.26	16.41	4.16	0.00
Fugitive Dust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vehicles	14.9	14.2	30.8	39.7	76.0	90.3	94.6	98.1	98.1	98.1	98.1	121.5	121.2	112.6	83.4	83.4	83.4	83.4	83.4	83.4	84.3	84.2	84.2	84.2	2.4	2.4	0.6	1.2	143.6	185.0	185.1	185.2	143.7	143.7	143.7	143.7	142.7	142.7	142.7	142.8	142.8	142.8	142.7	142.7	113.5	113.3
Total	19.7	18.9	49.7	58.6	107.9	127.5	131.8	135.3	135.3	135.3	133.5	159.5	159.2	145.4	96.1	96.1	96.1	96.1	96.1	96.1	96.9	96.9	96.6	96.6	7.0	7.0	17.4	18.0	172.8	216.8	216.9	216.9	173.0	172.9	172.1	172.1	171.1	171.1	155.0	155.1	155.1	155.1	154.9	159.1	117.6	113.3
Maximum Daily	**216.9**																																													

Table 4b Daily Unmitigated Emissions - All Phases VOC Emissions Summary

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
Daily Emissions (lb/day)																																														
Equipment	1.32	1.32	5.93	5.93	9.50	11.22	11.22	11.22	11.22	11.22	9.93	10.69	10.69	9.08	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.07	3.07	1.15	1.15	4.71	4.71	7.79	8.49	8.49	8.49	7.79	7.79	7.25	7.25	7.25	7.25	2.84	2.84	2.84	2.84	2.84	5.07	2.23	0.00
Fugitive Dust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vehicles	1.2	1.1	2.7	4.2	6.2	7.9	8.2	8.4	8.4	8.4	8.4	10.0	9.9	8.6	6.4	6.4	6.4	6.4	6.4	6.4	6.5	6.4	6.4	6.4	0.4	0.4	0.2	0.3	11.0	13.8	13.8	13.8	11.0	11.0	11.0	11.0	10.8	10.8	10.8	10.8	10.8	10.8	10.7	10.7	8.6	8.6
Total	2.5	2.4	8.6	10.1	15.7	19.1	19.4	19.6	19.6	19.6	18.3	20.7	20.6	17.7	9.7	9.7	9.7	9.7	9.7	9.7	9.8	9.8	9.5	9.5	1.5	1.5	4.9	5.0	18.8	22.3	22.3	22.3	18.8	18.8	18.3	18.3	18.0	18.0	13.6	13.6	13.6	13.6	13.6	15.8	10.9	8.6
Maximum Daily	**22.3**																																													

Table 4c Daily Unmitigated Emissions - All Phases NOx Emissions Summary

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
Daily Emissions (lb/day)																																														
Equipment	7.16	7.16	44.54	44.54	66.08	80.25	80.25	80.25	80.25	80.25	73.10	77.57	77.57	64.58	20.14	20.14	20.14	20.14	20.14	20.14	20.14	20.14	18.71	18.71	6.43	6.43	37.03	37.03	55.74	59.91	59.91	59.91	55.74	55.74	51.39	51.39	51.39	51.39	17.37	17.37	17.37	17.37	17.37	25.65	8.29	0.00
Fugitive Dust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vehicles	7.4	4.1	19.9	36.7	36.3	50.3	44.1	44.4	44.4	44.4	44.6	47.6	46.7	33.2	25.7	25.7	25.7	25.7	25.6	25.6	25.7	25.4	25.3	25.3	6.9	6.8	2.2	4.0	40.7	45.2	45.4	45.6	41.1	41.0	41.0	41.0	37.7	37.7	37.7	38.0	38.2	38.1	37.6	37.6	29.0	28.3
Total	14.5	11.3	64.4	81.3	102.3	130.5	124.4	124.7	124.7	124.7	117.7	125.2	124.3	97.8	45.9	45.9	45.9	45.9	45.8	45.8	45.8	45.6	44.1	44.1	13.3	13.3	39.2	41.0	96.4	105.1	105.3	105.5	96.8	96.7	92.4	92.4	89.1	89.1	55.1	55.4	55.5	55.5	55.0	63.3	37.3	28.3
Maximum Daily	**130.5**																																													

Table 4d Daily Unmitigated Emissions - All Phases SOx Emissions Summary

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
Daily Emissions (lb/day)																																														
Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00
Fugitive Dust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vehicles	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Total	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Maximum Daily	**0.3**																																													

Table 4e Daily Unmitigated Emissions - All Phases PM10 Emissions Summary

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
Daily Emissions (lb/day)																																														
Equipment	0.61	0.61	1.87	1.87	3.38	3.95	3.95	3.95	3.95	3.95	3.56	3.82	3.82	3.31	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.25	1.25	0.53	0.53	1.52	1.52	2.76	3.00	3.00	3.00	2.76	2.76	2.51	2.51	2.51	2.51	1.14	1.14	1.14	1.14	1.14	1.50	0.37	0.00
Fugitive Dust	48.9	48.9	97.8	97.8	110.0	112.4	112.4	112.4	112.4	112.4	63.5	63.5	63.5	61.1	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	48.9	48.9	97.8	97.8	110.0	110.0	110.0	110.0	110.0	110.0	61.1	61.1	61.1	61.1	12.2	12.2	12.2	12.2	12.2	18.3	6.1	0.0
Vehicles	0.4	0.3	1.1	2.0	2.2	3.0	2.9	3.0	3.0	3.0	3.0	3.3	3.3	2.6	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.3	0.3	0.1	0.2	3.2	3.8	3.8	3.8	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	2.4	2.4
Total	49.9	49.8	100.7	101.6	115.6	119.4	119.3	119.3	119.3	119.3	70.1	70.7	70.6	67.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.4	15.4	49.7	49.7	99.4	99.5	116.0	116.8	116.8	116.8	116.0	116.0	66.8	66.8	66.7	66.7	16.4	16.4	16.4	16.4	16.4	22.9	8.9	2.4
Maximum Daily	**119.4**																																													

Table 4f Daily Unmitigated Emissions - All Phases PM2.5 Emissions Summary

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
Daily Emissions (lb/day)																																														
Equipment	0.56	0.56	1.71	1.71	3.10	3.63	3.63	3.63	3.63	3.63	3.27	3.52	3.52	3.04	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.15	1.15	0.48	0.48	1.40	1.40	2.54	2.76	2.76	2.76	2.54	2.54	2.31	2.31	2.31	2.31	1.05	1.05	1.05	1.05	1.05	1.37	0.32	0.00
Fugitive Dust	10.2	10.2	20.3	20.3	22.9	23.4	23.4	23.4	23.4	23.4	13.2	13.2	13.2	12.7	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	10.2	10.2	20.3	20.3	22.9	22.9	22.9	22.9	22.9	22.9	12.7	12.7	12.7	12.7	2.5	2.5	2.5	2.5	2.5	3.8	1.3	0.0
Vehicles	0.3	0.2	0.8	1.6	1.7	2.3	2.2	2.2	2.2	2.2	2.2	2.5	2.4	1.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.2	0.2	0.1	0.2	2.3	2.7	2.7	2.7	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.7	1.7
Total	11.0	11.0	22.9	23.6	27.6	29.3	29.2	29.2	29.2	29.2	18.7	19.2	19.2	17.6	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.1	5.1	10.9	10.9	21.8	21.9	27.7	28.3	28.3	28.3	27.7	27.7	17.3	17.3	17.2	17.2	5.7	5.8	5.8	5.8	5.7	7.3	3.3	1.7
Maximum Daily	**29.3**																																													

Table 4g Daily Unmitigated Emissions - All Phases CO2e Emissions Summary

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
Daily Emissions (Tonnes/day)																																														
Equipment	0.29	0.29	2.35	2.35	3.42	4.17	4.17	4.17	4.17	4.17	4.06	4.30	4.30	3.55	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	0.29	0.29	2.26	2.26	3.33	3.57	3.57	3.57	3.33	3.33	3.33	3.33	3.33	3.33	1.07	1.07	1.07	1.07	1.07	1.75	0.68	0.00
Fugitive Dust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vehicles	1.4	1.1	3.1	4.6	6.8	8.4	8.2	8.4	8.4	8.4	8.4	10.0	9.9	8.7	6.5	6.5	6.5	6.5	6.5	6.5	6.6	6.5	6.5	6.5	0.6	0.6	0.2	0.3	10.9	13.6	13.7	13.7	11.0	10.9	10.9	11.0	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	8.4	8.3
Total	1.7	1.4	5.5	6.9	10.2	12.6	12.4	12.6	12.6	12.6	12.5	14.3	14.2	12.2	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	0.9	0.9	2.4	2.6	14.3	17.2	17.2	17.2	14.3	14.3	14.3	14.3	14.0	14.0	11.8	11.8	11.8	11.8	11.8	12.5	9.1	8.3
Maximum Daily	**17.2**																																													

Table 5 URBEMIS Annual Output Summary for Unit 1

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Urbemis 2007 Version 9.2.4

Summary Report for Annual Emissions (Tons/Year)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 11-7-2011\1. Construction\1-A Construction Equipment\Unit 1\2. Phase 1 - Fencing and Mobilization\Unit 1 Phase 1 Daily.urb924

Project Name: McCoy Unit 1 Phase 1 - Fencing and Mobilization

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10	PM2.5 Dust	PM2.5 Exhaust	PM2.5	CO2
2013 TOTALS (tons/year unmitigated)	0.03	0.15	0.10	0.00	0.00	0.01	0.01	0.00	0.01	0.01	13.58

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11/7/2011 01:59:39 PM

Urbemis 2007 Version 9.2.4

Summary Report for Annual Emissions (Tons/Year)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 11-7-2011\1. Construction\1-A Construction Equipment\Unit 1\3. Phase 2 - Grading and Earthwork\Unit 1 Phase 2 Grading Daily.urb924

Project Name: McCoy Unit 1 Phase 2 - Grading and Earthwork

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10	PM2.5 Dust	PM2.5 Exhaust	PM2.5	CO2
2013 TOTALS (tons/year unmitigated)	0.51	3.88	1.65	0.00	0.00	0.16	0.16	0.00	0.15	0.15	451.09
2014 TOTALS (tons/year unmitigated)	0.22	1.72	0.76	0.00	0.00	0.07	0.07	0.00	0.07	0.07	212.65

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Urbemis 2007 Version 9.2.4

Summary Report for Annual Emissions (Tons/Year)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 11-7-2011\1. Construction\1-A Construction Equipment\Unit 1\4. Phase 3 - PV Construction\Unit 1 Phase 3 PV Construction Daily.urb924

Project Name: Unit 1 Phase 3 PV Construction

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10	PM2.5 Dust	PM2.5 Exhaust	PM2.5	CO2
2013 TOTALS (tons/year unmitigated)	0.24	1.42	0.85	0.00	0.00	0.10	0.10	0.00	0.09	0.09	156.24
2014 TOTALS (tons/year unmitigated)	0.43	2.63	1.65	0.00	0.00	0.18	0.18	0.00	0.17	0.17	308.93
2015 TOTALS (tons/year unmitigated)	0.07	0.40	0.26	0.00	0.00	0.03	0.03	0.00	0.02	0.02	52.22

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Urbemis 2007 Version 9.2.4

Summary Report for Annual Emissions (Tons/Year)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 10-18-2011\1. Construction\1-A Construction Equipment\Unit 1\5. Phase 4 - Bldg Construction\Unit 1 Phase 4 Bldg Const Daily.urb924

Project Name: Unit 1 Phase 4 - Building and Substation Construction

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10	PM2.5 Dust	PM2.5 Exhaust	PM2.5	CO2
2014 TOTALS (tons/year unmitigated)	0.02	0.14	0.08	0.00	0.00	0.01	0.01	0.00	0.01	0.01	16.23

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Urbemis 2007 Version 9.2.4

Summary Report for Annual Emissions (Tons/Year)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 11-7-2011\1. Construction\1-A Construction Equipment\Unit 1\6. Phase 5 - Transmission Line\Unit 1 Phase 5 - Transmission Line Construction.urb924

Project Name: McCoy Unit 1 Phase 5 - Transmission Line Construction

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10	PM2.5 Dust	PM2.5 Exhaust	PM2.5	CO2
2013 TOTALS (tons/year unmitigated)	0.09	0.77	0.29	0.00	0.00	0.03	0.03	0.00	0.03	0.03	90.33
2014 TOTALS (tons/year unmitigated)	0.05	0.42	0.16	0.00	0.00	0.02	0.02	0.00	0.02	0.02	53.04

Table 6 URBEMIS Annual Output Summary for Unit 2

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Urbemis 2007 Version 9.2.4

Summary Report for Annual Emissions (Tons/Year)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 11-7-2011\1. Construction\1-A Construction Equipment\Unit 2\2. Phase 1 - Fencing and Mobilization\Unit 2 Phase 1 Daily.urb924

Project Name: McCoy Unit 2 Phase 1 - Fencing and Mobilization

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10	PM2.5 Dust	PM2.5 Exhaust	PM2.5	CO2
2015 TOTALS (tons/year unmitigated)	0.03	0.14	0.10	0.00	0.00	0.01	0.01	0.00	0.01	0.01	13.90

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Urbemis 2007 Version 9.2.4

Summary Report for Annual Emissions (Tons/Year)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 11-7-2011\1. Construction\1-A Construction Equipment\Unit 2\3. Phase 2 - Grading and Earthwork\Unit 2 Phase 2 Grading Daily.urb924
Project Name: McCoy Unit 2 Phase 2 - Grading and Earthwork

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10	PM2.5 Dust	PM2.5 Exhaust	PM2.5	CO2
2015 TOTALS (tons/year unmitigated)	0.41	3.24	1.47	0.00	0.00	0.13	0.13	0.00	0.12	0.12	436.53
2016 TOTALS (tons/year unmitigated)	0.19	1.46	0.69	0.00	0.00	0.06	0.06	0.00	0.05	0.05	214.52

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Urbemis 2007 Version 9.2.4

Summary Report for Annual Emissions (Tons/Year)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 11-7-2011\1. Construction\1-A Construction Equipment\Unit 2\4. Phase 3 - PV Construction\Unit 2 Phase 3 PV Construction Daily.urb924
Project Name: Unit 2 Phase 3 PV Construction

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10	PM2.5 Dust	PM2.5 Exhaust	PM2.5	CO2
2015 TOTALS (tons/year unmitigated)	0.20	1.24	0.82	0.00	0.00	0.08	0.08	0.00	0.08	0.08	156.24
2016 TOTALS (tons/year unmitigated)	0.31	1.88	1.33	0.00	0.00	0.12	0.12	0.00	0.11	0.11	256.85

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Urbemis 2007 Version 9.2.4

Summary Report for Annual Emissions (Tons/Year)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 10-18-2011\1. Construction\1-A Construction Equipment\Unit 2\5. Phase 4 - Bldg Construction\Unit 2 Phase 4 Bldg Const Daily.urb924

Project Name: Unit 2 Phase 4 - Building and Substation Construction

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10	PM2.5 Dust	PM2.5 Exhaust	PM2.5	CO2
2015 TOTALS (tons/year unmitigated)	0.02	0.14	0.08	0.00	0.00	0.01	0.01	0.00	0.01	0.01	16.74

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Urbemis 2007 Version 9.2.4

Summary Report for Annual Emissions (Tons/Year)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 11-7-2011\1. Construction\1-A Construction Equipment\Unit 2\6. Phase 6 - Testing and Commissioning\Unit 2 Phase 6 Testing and Commissioning.urb924

Project Name: McCoy Unit 2 Phase 6 - Testing and Commissioning

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10	PM2.5 Dust	PM2.5 Exhaust	PM2.5	CO2
2016 TOTALS (tons/year unmitigated)	0.05	0.18	0.09	0.00	0.00	0.01	0.01	0.00	0.01	0.01	32.15

Table 7 Construction Equipment Emissions Summary for Unit 1

Unit 1 Annual Construction Equipment Emissions (tons/year)										
Year	**ROG**	**NOx**	**CO**	**SO2**	**PM10 Dust**	**PM10 Exhaust**	**PM10**	**PM2.5 Dust**	**PM2.5 Exhaust**	**PM2.5**
2013	8.69E-01	6.23E+00	2.90E+00	1.71E-04	6.44E-04	3.06E-01	3.07E-01	2.11E-04	2.81E-01	2.82E-01
2014	7.24E-01	4.90E+00	2.65E+00	0.00E+00	0.00E+00	2.76E-01	2.76E-01	0.00E+00	2.54E-01	2.54E-01
2015	7.08E-02	4.03E-01	2.65E-01	2.34E-05	8.79E-05	2.65E-02	2.66E-02	2.89E-05	2.44E-02	2.44E-02
2016	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Table 8 Construction Equipment Emissions Summary for Unit 2

Unit 2 Annual Construction Equipment Emissions (tons/year)										
Year	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10	PM2.5 Dust	PM2.5 Exhaust	PM2.5
2015	6.63E-01	4.75E+00	2.47E+00	0.00E+00	0.00E+00	2.34E-01	2.34E-01	0.00E+00	2.16E-01	2.16E-01
2016	5.46E-01	3.53E+00	2.11E+00	1.19E-04	4.49E-04	1.90E-01	1.90E-01	1.47E-04	1.75E-01	1.75E-01

Table 9 Annual Fugitive Dust Emissions

	Daily Acreage Disturbed (acres/day)																																															
Schedule	**Month 1**	**Month 2**	**Month 3**	**Month 4**	**Month 5**	**Month 6**	**Month 7**	**Month 8**	**Month 9**	**Month 10**	**Month 11**	**Month 12**	**Month 13**	**Month 14**	**Month 15**	**Month 16**	**Month 17**	**Month 18**	**Month 19**	**Month 20**	**Month 21**	**Month 22**	**Month 23**	**Month 24**	**Month 25**	**Month 26**	**Month 27**	**Month 28**	**Month 29**	**Month 30**	**Month 31**	**Month 32**	**Month 33**	**Month 34**	**Month 35**	**Month 36**	**Month 37**	**Month 38**	**Month 39**	**Month 40**	**Month 41**	**Month 42**	**Month 43**	**Month 44**	**Month 45**	**Month 46**
Month-Year	**Mar-13**	**Apr-13**	**May-13**	**Jun-13**	**Jul-13**	**Aug-13**	**Sep-13**	**Oct-13**	**Nov-13**	**Dec-13**	**Jan-14**	**Feb-14**	**Mar-14**	**Apr-14**	**May-14**	**Jun-14**	**Jul-14**	**Aug-14**	**Sep-14**	**Oct-14**	**Nov-14**	**Dec-14**	**Jan-15**	**Feb-15**	**Mar-15**	**Apr-15**	**May-15**	**Jun-15**	**Jul-15**	**Aug-15**	**Sep-15**	**Oct-15**	**Nov-15**	**Dec-15**	**Jan-16**	**Feb-16**	**Mar-16**	**Apr-16**	**May-16**	**Jun-16**	**Jul-16**	**Aug-16**	**Sep-16**	**Oct-16**	**Nov-16**	**Dec-16**
Working Days/Month	**21**	**22**	**23**	**20**	**23**	**22**	**21**	**23**	**21**	**22**	**23**	**20**	**21**	**22**	**22**	**21**	**23**	**21**	**22**	**23**	**20**	**23**	**22**	**20**	**22**	**22**	**21**	**22**	**23**	**21**	**22**	**22**	**21**	**23**	**21**	**21**	**23**	**21**	**22**	**22**	**21**	**23**	**22**	**21**	**22**	
Phase 1 (acres/day)	4	4	4	4	4	4	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	4	4	4	4	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0
Phase 2 (acres/day)	0	0	4	4	4	4	4	4	4	4	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	4	4	4	4	4	4	4	4	4	4	4	4	0	0	0	0	0	0	0	0
Phase 3 (acres/day)	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0
Phase 4 (acres/day)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 5 (acres/day)	0	0	0	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 6 (acres/day)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0.5	0
Total Area Disturbed Daily (acres/day)	4	4	8	8	9	9.2	9.2	9.2	9.2	9.2	5.2	5.2	5.2	5	1	1	1	1	1	1	1	1	1	1	4	4	8	8	9	9	9	9	9	9	5	5	5	5	1	1	1	1	1	1.5	0.5	0
Total Area Disturbed Monthly (acres/month)	84	88	184	160	207	202.4	193.2	211.6	193.2	202.4	119.6	104	109.2	110	22	21	23	21	22	23	20	23	22	20	88	88	168	176	207	189	198	198	189	207	105	105	115	105	22	22	21	23	22	31.5	11	0
Monthly Emissions (lb/Month)	1026	1075	2248	1955	2530	2473	2361	2586	2361	2473	1462	1271	1334	1344	269	257	281	257	269	281	244	281	269	244	1075	1075	2053	2151	2530	2310	2420	2420	2310	2530	1283	1283	1405	1283	269	269	257	281	269	385	134	0

Emission Factor 12.22 lb/acre

PM2.5 Fraction of PM10 in Construction Dust = 0.208 from Appendix A, Final–Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, SCAQMD, October 2006

Annual Emissions Emissions	**PM10**	**PM2.5**	**Units**
Year 2013	10.54	2.19	tons/year
Year 2014	3.77	0.79	tons/year
Year 2015	10.69	2.22	tons/year
Year 2016	3.56	0.74	tons/year

Table 10 Annual Vehicle Emissions

Annual Vehicle Emissions (Tons/year)						
Onsite Vehicles Emissions	**ROG**	**NOx**	**CO**	**SO2**	**PM10**	**PM2.5**
Year 2013	0.08	1.36	0.43	0.00	0.06	0.05
Year 2014	0.06	1.06	0.37	0.00	0.04	0.04
Year 2015	0.05	0.93	0.32	0.00	0.04	0.03
Year 2016	0.05	0.87	0.30	0.00	0.04	0.03
Offsite Vehicles Emissions	**ROG**	**NOx**	**CO**	**SO2**	**PM10**	**PM2.5**
Year 2013	0.55	2.29	6.78	0.01	0.17	0.13
Year 2014	0.91	3.09	11.98	0.02	0.26	0.18
Year 2015	0.92	2.70	12.45	0.02	0.25	0.17
Year 2016	1.33	3.99	17.91	0.03	0.36	0.25
All Vehicles Emissions	**ROG**	**NOx**	**CO**	**SO2**	**PM10**	**PM2.5**
Year 2013	0.62	3.65	7.20	0.0137	0.2287	0.1741
Year 2014	0.97	4.15	12.35	0.0208	0.3030	0.2202
Year 2015	0.97	3.62	12.78	0.0207	0.2837	0.2016
Year 2016	1.38	4.86	18.22	0.0291	0.3940	0.2783

Table 11 Annual Construction Emissions from All Sources

Annual Unmitigated Emissions (tons/year)						
Total Emissions	**ROG**	**NOx**	**CO**	**SO2**	**PM10**	**PM2.5**
Year 2013	1.49	9.88	10.10	0.01	11.08	2.65
Year 2014	1.70	9.06	15.00	0.02	4.35	1.26
Year 2015	1.71	8.78	15.51	0.02	11.24	2.67
Year 2016	1.92	8.39	20.33	0.03	4.14	1.19
MDAQMD CEQA Threshold	**25**	**25**	**100**	**25**	**15**	**15.0**
Significant Impact (Yes/No)	**No**	**No**	**No**	**No**	**No**	**No**

Attachment 1-E

Summary of Construction GHG Emissions

Table 1 Equipment Summary

Unit 1 Annual CO_2 Construction Equipment Emissions (Tons/year)	
Year	**CO_2 (Tons)**
2013	711
2014	591
2015	52
2016	0

Unit 2 Annual CO_2 Construction Equipment Emissions (Tons/year)	
Year	**CO_2 (Tons)**
2015	623
2016	504

Table 2 Summary of MDAB-wide Monthly Vehicle CO_2e Emissions from All Phases

Monthly Emissions (Tonnes/month)	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24
	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15
On-Site Vehicles	11.6	4.9	30.0	55.2	30.0	30.0	16.7	16.7	16.7	16.7	16.7	17.7	17.7	17.7	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
Off-Site Vehicles	18.9	18.9	38.2	45.3	120	155	163	168	168	168	169	202	200	173	129	129	129	129	129	129	130	129	129	129
Monthly Total	**30.6**	**23.9**	**68.2**	**101**	**150**	**185**	**180**	**185**	**185**	**185**	**185**	**220**	**218**	**190**	**143**	**143**	**143**	**143**	**143**	**143**	**144**	**144**	**144**	**144**

Monthly Emissions (Tonnes/month)	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
On-Site Vehicles	11.6	11.6	2.4	2.4	16.7	17.7	17.7	17.7	16.7	16.7	16.7	16.7	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	2.3	2.3
Off-Site Vehicles	2.0	1.9	1.1	4.1	224	283	283	283	224	224	224	224	221	221	221	222	222	222	221	221	182	181
Monthly Total	**13.6**	**13.5**	**3.6**	**6.5**	**240**	**300**	**301**	**301**	**241**	**241**	**241**	**241**	**236**	**236**	**236**	**236**	**236**	**236**	**235**	**235**	**185**	**183**

Table 3 Annual MDAB-wide Vehicle CO_2e Emissions

Onsite Vehicles Emissions	CO_{2e} (Tonnes)
Year 2013	229
Year 2014	184
Year 2015	160
Year 2016	152

Offsite Vehicles Emissions	CO_{2e} (Tonnes)
Year 2013	1065
Year 2014	1776
Year 2015	1789
Year 2016	2584

All Vehicles Emissions	CO_{2e} (Tonnes)
Year 2013	1294
Year 2014	1959
Year 2015	1948
Year 2016	2736

Table 4 Total MDAB-wide Construction GHG Emissions

GHG Emissions	CO_2	CH_4	N_2O	CO_2e
Off-Road Equipment				
Emission Factor (kg/gallon)[1]	10.21	0.00058	0.00026	---
Year 2013 Emission (Tonnes)	645	0.037	0.016	651
Year 2014 Emission (Tonnes)	536	0.030	0.014	541
Year 2015 Emission (Tonnes)	613	0.035	0.016	619
Year 2016 Emission (Tonnes)	457	0.026	0.012	461
Vehicles				
Year 2013 Emission (Tonnes)				1294
Year 2014 Emission (Tonnes)				1959
Year 2015 Emission (Tonnes)				1948
Year 2016 Emission (Tonnes)				2736
Total GHG Emissions from Project Construction				
Total 2013 CO_2e Emissions (Tonnes)	**1,945**			
Total 2014 CO_2e Emissions (Tonnes)	**2,500**			
Total 2015 CO_2e Emissions (Tonnes)	**2,567**			
Total 2016 CO_2e Emissions (Tonnes)	**3,197**			
Total CO_2e Emissions (Tonnes)	**10,209**			
30-yr Amortized Emissions (Tonnes/year)	**340**			

1. Emission Factors obtained from 2011 The Climate Registry Default Emission Factors–Released January 14, 2011.
http://www.theclimateregistry.org/downloads/2009/05/2011-Emission-Factors.pdf

2. All vehicles were assumed to be gasoline vehicles. Emission factors for CH_4 and N_2O are the maximum factors of various vehicle types and control technologies

Table 5 California-wide Phase 1 - Mobilization - Monthly

Table 5-A Table 5 California-wide Phase 1 - Mobilization - Monthly Motor Vehicle Numbers

Equipment/Vehicle Type	Fuel	Miles/ Day/ vehicle	Monthly Number																																															
			Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
			Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
On-Site Motor Vehicles																																																		
On-Site Pick Up Truck	Gasoline	25	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Flatbed Delivery Truck	Diesel	25	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site 4000 gal Water Truck	Diesel	20	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Service Truck	Diesel	25	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Lube/Fuel Truck	Diesel	25	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Motor Vehicles																																																		
Off-Site Worker Commute, Car	Gasoline	50	43	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Flat Bed Trucks	Diesel	25	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	Diesel	25	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	Diesel	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fencing Trucks	Diesel	25	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Porto-Let Truck	Diesel	25	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 5-B Table 5 California-wide Phase 1 - Mobilization - Monthly Motor Vehicle Use

Equipment/Vehicle Type	Fuel	Monthly Miles																																															
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																																	
On-Site Pick Up Truck	Gasoline	1650	1650	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1650	1650	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Flatbed Delivery Truck	Diesel	1100	1100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1100	1100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site 4000 gal Water Truck	Diesel	440	440	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	440	440	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Service Truck	Diesel	550	550	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	550	550	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Lube/Fuel Truck	Diesel	4400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4400	4400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Motor Vehicles																																																	
Off-Site Worker Commute, Car	Gasoline	47700	47700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Flat Bed Trucks	Diesel	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	350	325	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Water Trucks	Diesel	125	125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Fuel & Lube	Diesel	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Fencing Trucks	Diesel	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Porto-Let Truck	Diesel	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 5-C Table 5 California-wide Phase 1 - Mobilization - Monthly Motor Vehicle CO2e Emissions

Equipment/Vehicle Type	Emission Factor (kg/mile)	Monthly Emissions (kg/month)																																															
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																																	
On-Site Pick Up Truck	0.7	1078	1078	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1078	1078	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Flatbed Delivery Truck	1.8	2035	2035	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2035	2035	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site 4000 gal Water Truck	1.8	814	814	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	814	814	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Service Truck	1.8	1017	1017	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1017	1017	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Lube/Fuel Truck	1.5	6664	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6664	6664	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Motor Vehicles																																																	
Off-Site Worker Commute, Car	0.4	18159	18159	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Flat Bed Trucks	1.8	185	185	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	647	601	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Water Trucks	1.8	231	231	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Fuel & Lube	1.5	38	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Fencing Trucks	1.8	185	185	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	185	139	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Porto-Let Truck	1.5	151	151	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Motor Vehicle Total	**---**	**11607**	**4943**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**11607**	**11607**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Off-Site Motor Vehicle Total	**---**	**18949**	**18949**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**832**	**740**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Notes:

Totals may not match sum of individual values because of rounding.

Based on 22 working days per month

Table 6 California-wide Phase 2 - Grading and Earthwork - Monthly

Table 6-A Table 6 California-wide Phase 2 - Grading and Earthwork - Monthly Motor Vehicle Numbers

Equipment/Vehicle Type	Fuel	Miles/ Day/ vehicle	Monthly Number																																															
			Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
			Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
On-Site Motor Vehicles																																																		
On-Site 2200 gal Water Trucks	Diesel	20	0	0	10	10	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site 4000 gal Water Truck	Diesel	20	0	0	3	3	3	3	3	3	3	3	3	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	3	3	3	3	3	3	3	3	3	3	0	0	0	0	0	0	0	0	0	0	0
On-Site Lube/Fuel Truck	Diesel	25	0	0	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Service Truck	Diesel	25	0	0	14	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Dump Truck	Diesel	20	0	0	0	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Motor Vehicles																																																		
Off-Site Worker Commute, Car	Gasoline	50	0	0	89	102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Gravel Rock/AC trucks	Diesel	25	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	3	3	3	3	3	3	3	0	0	0	0	0	0	0	0	0	0	0
Off-Site Water Trucks	Diesel	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Low Bed Delivery Trucks	Diesel	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Porto-Let Truck	Diesel	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 6-B Table 6 California-wide Phase 2 - Grading and Earthwork - Monthly Motor Vehicle Use

Equipment/Vehicle Type	Fuel	Monthly Miles																																																
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																																		
On-Site 2200 gal Water Trucks	Diesel	0	0	4400	4400	4400	4400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site 4000 gal Water Truck	Diesel	0	0	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	0	0	0	0	0	0	0	0	0	0	0	0	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	0	0	0	0	0	0	0	0	0	0	0
On-Site Lube/Fuel Truck	Diesel	0	0	4400	4400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Service Truck	Diesel	0	0	7700	7700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Dump Truck	Diesel	0	0	0	13640	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Motor Vehicles																																																		
Off-Site Worker Commute, Car	Gasoline	0	0	97350	#####	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Gravel Rock/AC trucks	Diesel	0	0	0	775	775	775	775	775	775	775	775	800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1550	1550	1550	1550	1550	1550	1600	1600	1600	0	0	0	0	0	0	0	0	0	0	0
Off-Site Water Trucks	Diesel	0	0	250	250	250	250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Low Bed Delivery Trucks	Diesel	0	0	13	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Porto-Let Truck	Diesel	0	0	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 6-C Table 6 California-wide Phase 2 - Grading and Earthwork - Monthly Motor Vehicle CO2e Emissions

Equipment/Vehicle Type	Emission Factor (kg/mile)	Monthly Emissions (kg/month)																																																
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																																		
On-Site 2200 gal Water Trucks	1.5	0	0	6664	6664	6664	6664	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site 4000 gal Water Truck	1.8	0	0	2441	2441	2441	2441	2441	2441	2441	2441	2441	2441	2441	2441	0	0	0	0	0	0	0	0	0	0	0	0	2441	2441	2441	2441	2441	2441	2441	2441	2441	2441	0	0	0	0	0	0	0	0	0	0	0
On-Site Lube/Fuel Truck	1.5	0	0	6664	6664	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Service Truck	1.8	0	0	14242	14242	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Dump Truck	1.8	0	0	0	25228	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Motor Vehicles																																																		
Off-Site Worker Commute, Car	0.4	0	0	37060	42714	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Gravel Rock/AC trucks	1.8	0	0	0	1433	1433	1433	1433	1433	1433	1433	1433	1480	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2867	2867	2867	2867	2867	2867	2959	2959	2959	0	0	0	0	0	0	0	0	0	0	0
Off-Site Water Trucks	1.8	0	0	462	462	462	462	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Low Bed Delivery Trucks	1.8	0	0	23	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Porto-Let Truck	1.5	0	0	151	151	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Motor Vehicle Total	---	**0**	**0**	**30010**	**55239**	**9105**	**9105**	**2441**	**2441**	**2441**	**2441**	**2441**	**2441**	**2441**	**2441**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2441**	**2441**	**2441**	**2441**	**2441**	**2441**	**2441**	**2441**	**2441**	**2441**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Off-Site Motor Vehicle Total	---	**0**	**0**	**37697**	**44784**	**1896**	**1896**	**1433**	**1433**	**1433**	**1433**	**1433**	**1480**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2867**	**2867**	**2867**	**2867**	**2867**	**2867**	**2959**	**2959**	**2959**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Notes:

Totals may not match sum of individual values because of rounding.

Based on 22 working days per month

Table 7 California-wide Phase 3 - PV Construction - Monthly

Table 7-A Table 7 California-wide Phase 3 - PV Construction - Monthly Motor Vehicle Numbers

Equipment/Vehicle Type	Fuel	Miles/ Day/ vehicle	Monthly Number																																													
			Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
			Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
On-Site Motor Vehicles																																																
On-Site 2200 gal Water Trucks	Diesel	20	0	0	0	0	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site 4000 gal Water Truck	Diesel	20	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0
On-Site Pick Up Truck	Gasoline	25	0	0	0	0	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	0	0	0	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	0
On-Site Flatbed Delivery Truck	Diesel	25	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0
On-Site Service Truck	Diesel	25	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0
On-Site Dump Truck	Diesel	20	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0
On-Site Lube/Fuel Truck	Diesel	25	0	0	0	0	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	0	0	0	0	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	0	0
Off-Site Motor Vehicles																																																
Off-Site Worker Commute, Car	Gasoline	50	0	0	0	0	229	248	268	280	280	280	280	359	359	359	264	264	264	264	264	264	267	267	267	267	0	0	0	0	459	600	600	600	459	459	459	459	459	459	459	459	459	459	459	459	0	0
Off-Site Flat Bed Trucks	Diesel	25	0.00	0.00	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.00	0.00
Off-Site PV Panel Trucks	Diesel	436	0.00	0.00	0.00	0.00	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	3.64	3.64	3.64	3.64	3.64	3.64	3.64	3.64	3.64	3.64	0.00	0.00	0.00	0.00	5.68	5.68	5.68	5.68	5.68	5.68	5.68	5.68	5.68	5.68	5.68	5.68	5.86	5.91	5.91	5.91	5.91	5.91
Off-Site Inverters	Diesel	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.00	0.00	0.00	0.00	0.00	0.00
Off-Site Tracker Trucks	Diesel	30	0.00	0.00	0.00	0.00	0.00	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.64	0.00	0.00	0.00
Off-Site Cabling Trucks	Diesel	25	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.09	0.09	0.09	0.09	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.00
Off-Site Fuel & Lube	Diesel	25	0.00	0.00	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
Off-site Concrete Truck	Diesel	25	0.00	0.00	0.00	0.00	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.95	0.95	0.95	0.95	0.00
Off-Site Electrical Truck	Diesel	25	0.00	0.00	0.00	0.00	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
Off-Site Low Bed Delivery Trucks	Diesel	25	0.00	0.00	0.00	0.00	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
Off-Site Porto-Let Truck	Diesel	25	0.00	0.00	0.00	0.00	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.00	0.00

Table 7-B Table 7 California-wide Phase 3 - PV Construction - Monthly Motor Vehicle Use

Equipment/Vehicle Type	Fuel	Monthly Miles																																														
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																																
On-Site 2200 gal Water Trucks	Diesel	0	0	0	0	4400	4400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site 4000 gal Water Truck	Diesel	0	0	0	0	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	0	0	0	0	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	0	0
On-Site Pick Up Truck	Gasoline	0	0	0	0	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	0	0	0	0	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	0	0
On-Site Flatbed Delivery Truck	Diesel	0	0	0	0	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	0	0	0	0	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	0	0
On-Site Service Truck	Diesel	0	0	0	0	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	0	0	0	0	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	0	0
On-Site Dump Truck	Diesel	0	0	0	0	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440	0	0	0	0	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440	0	0
On-Site Lube/Fuel Truck	Diesel	0	0	0	0	4400	4400	4400	4400	4400	4400	4400	4400	4400	4400	4400	4400	4400	4400	4400	4400	4400	4400	4400	4400	0	0	0	0	4400	4400	4400	4400	4400	4400	4400	4400	4400	4400	4400	4400	4400	4400	4400	4400	4400	0	0
Off-Site Motor Vehicles																																																
Off-Site Worker Commute, Car	Gasoline	0	0	0	0	251400	272500	294600	307700	307700	307700	307700	394450	394450	394450	290600	290600	290600	290600	290600	290600	293900	293900	293900	293900	0	0	0	0	505300	660000	660000	660000	505300	505300	505300	505300	505300	505300	505300	505300	505300	505300	505300	505300	505300	0	0
Off-Site Flat Bed Trucks	Diesel	0	0	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	175	175	175	175	175	175	175	175	175	200	200	200	200	200	200	200	200	200	0	0
Off-Site PV Panel Trucks	Diesel	0	0	0	0	43600	43600	43600	43600	43600	43600	43600	43600	43600	43600	34880	34880	34880	34880	34880	34880	34880	34880	34880	34880	0	0	0	0	54500	54500	54500	54500	54500	54500	54500	54500	54500	54500	54500	54500	56244	56680	56680	56680	56680	56680	56680
Off-Site Inverters	Diesel	0	0	0	0	0	0	0	0	0	0	120	120	120	120	120	120	120	120	0	0	0	0	0	0	0	0	0	0	0	0	0	180	180	180	180	180	180	180	180	0	0	0	0	0	0	0
Off-Site Tracker Trucks	Diesel	0	0	0	0	0	390	390	390	390	390	390	390	390	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	450	450	450	450	450	450	450	450	450	450	450	450	450	420	0	0	0	0
Off-Site Cabling Trucks	Diesel	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	50	50	50	50	50	75	75	75	75	75	75	75	75	75	75	0
Off-Site Fuel & Lube	Diesel	0	0	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
Off-site Concrete Truck	Diesel	0	0	0	0	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	0	0	0	0	0	0	0	500	500	500	500	500	500	500	500	500	500	500	525	525	525	525	525	525	0
Off-Site Electrical Truck	Diesel	0	0	0	0	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125
Off-Site Low Bed Delivery Trucks	Diesel	0	0	0	0	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125
Off-Site Porto-Let Truck	Diesel	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0

Table 7-C Table 7 California-wide Phase 3 - PV Construction - Monthly Motor Vehicle CO2e Emissions

Equipment/Vehicle Type	Emission Factor (kg/mile)	Monthly Emissions (kg/month)																																														
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																																
On-Site 2200 gal Water Trucks	1.5	0	0	0	0	6664	6664	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site 4000 gal Water Truck	1.8	0	0	0	0	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	0	0	0	0	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	0	0
On-Site Pick Up Truck	0.7	0	0	0	0	1078	1078	1078	1078	1078	1078	1078	1078	1078	1078	1078	1078	1078	1078	1078	1078	1078	1078	1078	1078	0	0	0	0	1078	1078	1078	1078	1078	1078	1078	1078	1078	1078	1078	1078	1078	1078	1078	1078	1078	0	0
On-Site Flatbed Delivery Truck	1.8	0	0	0	0	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	0	0	0	0	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	0	0
On-Site Service Truck	1.8	0	0	0	0	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	0	0	0	0	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	2035	0	0
On-Site Dump Truck	1.8	0	0	0	0	814	814	814	814	814	814	814	814	814	814	814	814	814	814	814	814	814	814	814	814	0	0	0	0	814	814	814	814	814	814	814	814	814	814	814	814	814	814	814	814	814	0	0
On-Site Lube/Fuel Truck	1.5	0	0	0	0	6664	6664	6664	6664	6664	6664	6664	6664	6664	6664	6664	6664	6664	6664	6664	6664	6664	6664	6664	6664	0	0	0	0	6664	6664	6664	6664	6664	6664	6664	6664	6664	6664	6664	6664	6664	6664	6664	6664	6664	0	0
Off-Site Motor Vehicles																																																
Off-Site Worker Commute, Car	0.4	0	0	0	0	95706	103738	112152	117139	117139	117139	117139	150164	150164	150164	110629	110629	110629	110629	110629	110629	111885	111885	111885	111885	0	0	0	0	192363	251256	251256	251256	192363	192363	192363	192363	192363	192363	192363	192363	192363	192363	192363	192363	192363	0	0
Off-Site Flat Bed Trucks	1.8	0	0	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	324	324	324	324	324	324	324	324	324	370	370	370	370	370	370	370	370	370	0	0
Off-Site PV Panel Trucks	1.8	0	0	0	0	80642	80642	80642	80642	80642	80642	80642	80642	80642	80642	64513	64513	64513	64513	64513	64513	64513	64513	64513	64513	0	0	0	0	100802	100802	100802	100802	100802	100802	100802	100802	100802	100802	100802	104028	104834	104834	104834	104834	104834	104834	104834
Off-Site Inverters	1.8	0	0	0	0	0	0	0	0	0	0	222	222	222	222	222	222	222	222	0	0	0	0	0	0	0	0	0	0	0	0	0	333	333	333	333	333	333	333	333	0	0	0	0	0	0	0
Off-Site Tracker Trucks	1.8	0	0	0	0	0	721	721	721	721	721	721	721	721	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	832	832	832	832	832	832	832	832	832	832	832	832	832	777	0	0	0	0
Off-Site Cabling Trucks	1.8	0	0	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	0	0	0	0	0	0	0	0	92	92	92	92	92	139	139	139	139	139	139	139	139	139	139	0
Off-Site Fuel & Lube	1.5	0	0	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	0
Off-site Concrete Truck	1.8	0	0	0	0	462	462	462	462	462	462	462	462	462	462	462	462	462	462	462	462	462	0	0	0	0	0	0	0	925	925	925	925	925	925	925	925	925	925	925	925	971	971	971	971	971	0
Off-Site Electrical Truck	1.8	0	0	0	0	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231
Off-Site Low Bed Delivery Trucks	1.8	0	0	0	0	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231
Off-Site Porto-Let Truck	1.5	0	0	0	0	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	0
On-Site Motor Vehicle Total	**---**	**0**	**0**	**0**	**0**	**20915**	**20915**	**14252**	**14252**	**14252**	**14252**	**14252**	**14252**	**14252**	**14252**	**14252**	**14252**	**14252**	**14252**	**14252**	**14252**	**14252**	**14252**	**14252**	**14252**	**0**	**0**	**0**	**0**	**14252**	**14252**	**14252**	**14252**	**14252**	**14252**	**14252**	**14252**	**14252**	**14252**	**14252**	**14252**	**14252**	**14252**	**14252**	**14252**	**0**	**0**
Off-Site Motor Vehicle Total	**---**	**0**	**0**	**534**	**534**	**177958**	**186712**	**195217**	**200205**	**200205**	**200205**	**200426**	**233451**	**233451**	**232730**	**177067**	**177067**	**177067**	**177067**	**176845**	**176845**	**178101**	**177639**	**177546**	**177546**	**1148**	**1148**	**1148**	**1240**	**296163**	**355056**	**355148**	**355481**	**296588**	**296588**	**296588**	**296635**	**296681**	**296681**	**296681**	**299574**	**300426**	**300371**	**299594**	**299594**	**106709**	**105600**

Notes:

Totals may not match sum of individual values because of rounding.

Based on 22 working days per month

Table 8 California-wide Phase 4 - Building Construction - Monthly

Table 8-A Table 8 California-wide Phase 4 - Building Construction - Monthly Motor Vehicle Numbers

Equipment/Vehicle Type	Fuel	Miles/ Day/ vehicle	Monthly Number																																																	
			Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
			Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
On-Site Motor Vehicles[a]																																																				
On-Site Heavy Duty Pick Up	Diesel	20	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Flatbed Delivery Truck	Diesel	20	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Motor Vehicles																																																				
Off-site Insulation Truck	Diesel	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-site Roof truck	Diesel	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-site Wall Truck	Diesel	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Structural Steel truck	Diesel	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Mechanical Truck	Diesel	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Architechtural Truck	Diesel	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 8-B Table 8 California-wide Phase 4 - Building Construction - Monthly Motor Vehicle Use

Equipment/Vehicle Type	Fuel	Monthly Miles																																																		
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																																				
On-Site Heavy Duty Pick Up Truck	Diesel	0	0	0	0	0	0	0	0	0	0	0	440	440	440	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	440	440	440	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Flatbed Delivery Truck	Diesel	0	0	0	0	0	0	0	0	0	0	0	440	440	440	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	440	440	440	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Motor Vehicles																																																				
Off-site Insulation Truck	Diesel	0	0	0	0	0	0	0	0	0	0	0	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-site Roof truck	Diesel	0	0	0	0	0	0	0	0	0	0	0	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-site Wall Truck	Diesel	0	0	0	0	0	0	0	0	0	0	0	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Structural Steel truck	Diesel	0	0	0	0	0	0	0	0	0	0	0	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Mechanical Truck	Diesel	0	0	0	0	0	0	0	0	0	0	0	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Architechtural Truck	Diesel	0	0	0	0	0	0	0	0	0	0	0	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 8-C Table 8 California-wide Phase 4 - Building Construction - Monthly Motor Vehicle CO2e Emissions

Equipment/Vehicle Type	Emission Factor (kg/mile)	Monthly Emissions (kg/month)																																																		
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																																				
On-Site Heavy Duty Pick Up Truck	0.5	0	0	0	0	0	0	0	0	0	0	0	229	229	229	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	229	229	229	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Flatbed Delivery Truck	1.8	0	0	0	0	0	0	0	0	0	0	0	814	814	814	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	814	814	814	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Motor Vehicles																																																				
Off-site Insulation Truck	1.8	0	0	0	0	0	0	0	0	0	0	0	46	46	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-site Roof truck	1.8	0	0	0	0	0	0	0	0	0	0	0	46	46	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46	46	46	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-site Wall Truck	1.8	0	0	0	0	0	0	0	0	0	0	0	46	46	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46	46	46	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Structural Steel truck	1.8	0	0	0	0	0	0	0	0	0	0	0	46	46	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46	46	46	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Mechanical Truck	1.8	0	0	0	0	0	0	0	0	0	0	0	46	46	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46	46	46	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Architechtural Truck	1.8	0	0	0	0	0	0	0	0	0	0	0	46	46	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46	46	46	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Motor Vehicle Total	**---**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1043**	**1043**	**1043**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1043**	**1043**	**1043**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Off-Site Motor Vehicle Total	**---**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**277**	**277**	**277**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**231**	**231**	**231**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Notes:

Totals may not match sum of individual values because of rounding.

Based on 22 working days per month

Table 9 California-wide Phase 5 Transmission Line - Monthly

Table 9-A Table 9 California-wide Phase 5 Transmission Line - Monthly Motor Vehicle Numbers

Equipment/Vehicle Type	Fuel	Miles/ Day/ vehicle	Monthly Number																																															
			Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
			Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
Off-Site Motor Vehicles[a]																																																		
Off-Site Worker Commute, Car	Gasoline	40	0	0	0	0	0	20	20	20	20	20	20	20	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site 4000 gal Water Truck	Diesel	10	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Water Delivery Truck	Diesel	40	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Concrete Truck	Diesel	40	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Service Truck	Diesel	10	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Equipment/Material Delivery Truck - 1	Diesel	40	0	0	0	0	0	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Equipment/Material Delivery Truck - 2	Diesel	160	0	0	0	0	0	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 9-B Table 9 California-wide Phase 5 Transmission Line - Monthly Motor Vehicle Use

Equipment/Vehicle Type	Fuel	Monthly Miles																																															
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
Off-Site Motor Vehicles[a]																																																	
Off-Site Worker Commute, Car	Gasoline	0	0	0	0	0	17600	17600	17600	17600	17600	17600	17600	17600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site 4000 gal Water Truck	Diesel	0	0	0	0	0	220	220	220	220	220	220	220	220	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Water Delivery Truck	Diesel	0	0	0	0	0	880	880	880	880	880	880	880	880	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Concrete Truck	Diesel	0	0	0	0	0	880	880	880	880	880	880	880	880	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Service Truck	Diesel	0	0	0	0	0	220	220	220	220	220	220	220	220	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Equipment/Material Delivery Truck - 1	Diesel	0	0	0	0	0	1760	1760	1760	1760	1760	1760	1760	1760	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Equipment/Material Delivery Truck - 2	Diesel	0	0	0	0	0	7040	7040	7040	7040	7040	7040	7040	7040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 9-C Table 9 California-wide Phase 5 Transmission Line - Monthly Motor Vehicle CO2e Emissions

Equipment/Vehicle Type	Emission Factor (kg/mile)	Monthly Emissions (kg/month)																																															
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
Off-Site Motor Vehicles[a]																																																	
Off-Site Worker Commute, Car	0.4	0	0	0	0	0	6700	6700	6700	6700	6700	6700	6700	6700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site 4000 gal Water Truck	1.8	0	0	0	0	0	407	407	407	407	407	407	407	407	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Water Delivery Truck	1.8	0	0	0	0	0	1628	1628	1628	1628	1628	1628	1628	1628	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Concrete Truck	1.8	0	0	0	0	0	1628	1628	1628	1628	1628	1628	1628	1628	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Service Truck	1.8	0	0	0	0	0	407	407	407	407	407	407	407	407	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Equipment/Material Delivery Truck - 1	1.8	0	0	0	0	0	3255	3255	3255	3255	3255	3255	3255	3255	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Equipment/Material Delivery Truck - 2	1.8	0	0	0	0	0	13021	13021	13021	13021	13021	13021	13021	13021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Motor Vehicle Total	**---**	**0**	**0**	**0**	**0**	**0**	**27046**	**27046**	**27046**	**27046**	**27046**	**27046**	**27046**	**27046**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Notes:

Totals may not match sum of

Based on 22 working days per

Table 10 California-wide Phase 6 - Testing and Commissioning - Monthly

Table 10-A Table 10 California-wide Phase 6 - Testing and Commissioning - Monthly Motor Vehicle Numbers

Equipment/Vehicle Type	Fuel	Miles/ Day/ vehicle	Monthly Number																																															
			Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
			Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
On-Site Motor Vehicles																																																		
On-Site Heavy Duty Pick Up Truck	Diesel	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
On-Site Service Truck	Diesel	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
Off-Site Motor Vehicles																																																		
Off-Site Worker Commute, Car	Gasoline	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	459	459
Off-Site Flat Bed Trucks	Diesel	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02
Off-Site Fuel & Lube	Diesel	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02
Off-site Concrete Truck	Diesel	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00

Table 10-B Table 10 California-wide Phase 6 - Testing and Commissioning - Monthly Motor Vehicle Use

Equipment/Vehicle Type	Fuel	Monthly Miles																																															
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																																	
On-Site Heavy Duty Pick Up Truck	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	440	440
On-Site Service Truck	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1100	1100
Off-Site Motor Vehicles																																																	
Off-Site Worker Commute, Car	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	404240	404240
Off-Site Flat Bed Trucks	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	13
Off-Site Fuel & Lube	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	13
Off-site Concrete Truck	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	0

Table 10-C Table 10 California-wide Phase 6 - Testing and Commissioning - Monthly Motor Vehicle CO2e Emissions

Equipment/Vehicle Type	Emission Factor (kg/mile)	Monthly Emissions (kg/month)																																															
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
On-Site Motor Vehicles																																																	
On-Site Heavy Duty Pick Up Truck	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	229	229
On-Site Service Truck	1.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2035	2035
Off-Site Motor Vehicles																																																	
Off-Site Worker Commute, Car	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	153891	153891
Off-Site Flat Bed Trucks	1.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	23
Off-Site Fuel & Lube	1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	19
Off-site Concrete Truck	1.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46	0
On-Site Motor Vehicle Total	**---**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2264**	**2264**
Off-Site Motor Vehicle Total	**---**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**153979**	**153933**

Notes:

Totals may not match sum of individual values because of rounding.

Based on 22 working days per month

Table 11 Summary of California-wide Monthly Vehicle CO_2e Emissions from All Phases

Monthly Emissions (Tonnes/month)	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24
	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15
On-Site Vehicles	11.6	4.9	30.0	55.2	30.0	30.0	16.7	16.7	16.7	16.7	16.7	17.7	17.7	17.7	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
Off-Site Vehicles	18.9	18.9	38.2	45.3	180	216	224	229	229	229	229	262	261	233	177	177	177	177	177	177	178	178	178	178
Monthly Total	**30.6**	**23.9**	**68.2**	**101**	**210**	**246**	**240**	**245**	**245**	**245**	**246**	**280**	**279**	**251**	**191**	**191**	**191**	**191**	**191**	**191**	**192**	**192**	**192**	**192**

Monthly Emissions (Tonnes/month)	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46
	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
On-Site Vehicles	11.6	11.6	2.4	2.4	16.7	17.7	17.7	17.7	16.7	16.7	16.7	16.7	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	2.3	2.3
Off-Site Vehicles	2.0	1.9	1.1	4.1	299	358	358	359	300	300	300	300	297	297	297	300	300	300	300	300	261	260
Monthly Total	**13.6**	**13.5**	**3.6**	**6.5**	**316**	**376**	**376**	**376**	**316**	**316**	**316**	**316**	**311**	**311**	**311**	**314**	**315**	**315**	**314**	**314**	**263**	**262**

Table 12 Annual California-wide Vehicle CO_2e Emissions

Onsite Vehicles Emissions	CO_{2e} (Tonnes)
Year 2013	229
Year 2014	184
Year 2015	160
Year 2016	152

Offsite Vehicles Emissions	CO_{2e} (Tonnes)
Year 2013	1427
Year 2014	2403
Year 2015	2337
Year 2016	3509

All Vehicles Emissions	CO_{2e} (Tonnes)
Year 2013	1655
Year 2014	2587
Year 2015	2497
Year 2016	3661

Table 13 Total California-Wide Construction GHG Emissions

GHG Emissions	CO_2	CH_4	N_2O	CO_2e
Off-Road Equipment				
Emission Factor (kg/gallon)[1]	10.21	0.00058	0.00026	---
Year 2013 Emission (Tonnes)	645	0.037	0.016	651
Year 2014 Emission (Tonnes)	536	0.030	0.014	541
Year 2015 Emission (Tonnes)	613	0.035	0.016	619
Year 2016 Emission (Tonnes)	457	0.026	0.012	461
Vehicles				
Year 2013 Emission (Tonnes)				1655
Year 2014 Emission (Tonnes)				2587
Year 2015 Emission (Tonnes)				2497
Year 2016 Emission (Tonnes)				3661
Total GHG Emissions from Project Construction				
Total 2013 CO_2e Emissions (Tonnes)	**2,306**			
Total 2014 CO_2e Emissions (Tonnes)	**3,127**			
Total 2015 CO_2e Emissions (Tonnes)	**3,116**			
Total 2016 CO_2e Emissions (Tonnes)	**4,122**			
Total CO_2e Emissions (Tonnes)	**12,671**			
30-yr Amortized Emissions (Tonnes/year)	**422**			

1. Emission Factors obtained from 2011 The Climate Registry Default Emission Factors – Released January 14, 2011. http://www.theclimateregistry.org/downloads/2009/05/2011-Emission-Factors.pdf

2. All vehicles were assumed to be gasoline vehicles. Emission factors for CH_4 and N_2O are the maximum factors of various vehicle types and control technologies

Attachment 2

Operation Emissions

Attachment 2-A

Operation Equipment

Operation Emissions from Emergency Diesel Generators

Generator Specification	Value	Unit	Data Source
Number of Engines	2		Applicant
Tier	4 (Interim)		CARB ATCM
Model Year	2008-2012		CARB ATCM
Diesel Engine Capacity	26	kW	Calculated
Diesel Engine Capacity	35	hp	Applicant
Brake Specific Fuel Consumption	7000	Btu/hp-hr	AP-42
Heating Value	19300	Btu/lb	AP-42
Annual Hours of Operation	50	hours/year	CARB ATCM
Daily Hours of Operation	1	hour/day	Applicant
Fuel Sulfur Content %	0.0015	lb of S/lb of fuel	BACT
Density of Diesel	7.1	lb/gal	AP-42
Fuel Consumption	1.8	gal/hr/engine	Calculated
Total Annual Fuel Consumption	179	gal/year	Calculated

Pollutant	Generator Emission Factor		Hourly Emissions (lb/hr)	Maximum Daily Emissions (lb/day)	Annual Emissions (tpy)
NOx [1]	7.125	g/kW-hr	0.8203	0.8203	0.0205
ROG [1,2]	0.375	g/kW-hr	0.0432	0.0432	0.0011
CO [1]	5.5	g/kW-hr	0.6332	0.6332	0.0158
SO_2 [3]	0.00001	lb/Hp-hr	0.0008	0.0008	0.0000
PM_{10} total [1]	0.3	g/kW-hr	0.0345	0.0345	0.0009
$PM_{2.5}$	0.3	g/kW-hr	0.0345	0.0345	0.0009

Emergency Engine TAC	
Component	Emissions (tpy)
Diesel Particulate Matter	0.001

NOTES:

1. Diesel Engine Emission Factors from California Code of Regulations, Title 13, Division 3, Chapter 9, Article 4, Section 2423
2. ROC standards = NHMC standards
3. The emission factor for SO_2 is derived from BSFC, heating value and fuel sulfur content and by assuming 100% of fuel sulfur is converted to SO_2

Attachment 2-B

Operation Vehicles

Table 1 Operation URBEMIS Input - Vehicle Numbers															
Equipment/Vehicle Type	Type	Miles/Day	Daily Number												Annual VMT
			Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	
On-Site Motor Vehicles															
On-Site F-150 Pickup Trucks - 1	MDV-CAT	10	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3960
On-Site Utility/Service Vehicles	MHD-DSL	10	2	2	2	2	2	2	2	2	2	2	2	2	5280
On-Site 2200 gal Water Truck	MHD-DSL	10	2	0	0	2	0	0	0	2	0	0	0	2	1760
Off-Site Motor Vehicles															
Off-Site Worker Commute Car	LDA-CAT	40	29	16	16	29	16	16	16	29	16	16	16	29	214720
Off-Site Carpenter Service Vehicle	MHD-DSL	40	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	5720
Off-Site Electricial Service Vehicle	MHD-DSL	40	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	5720
Off-Site Equipment/Material Delivery Truck	HHD-DSL	40	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	960

Table 1-B Motor Vehicle Operation Characteristics		
Travel on unpaved surface		
Annual VMT on unpaved road	11000	VMT/year
Daily VMT on unpaved road	30.14	VMT/day
Assumed average trip length	20	miles
Daily trip rate on unpaved surface	1.51	trips/day
Vehicle type distribution on unpaved surface		
MDV-CAT	36	%
MHD-DSL	64	%
Travel on paved surface		
Annual VMT on paved road	227120	VMT/year
Daily VMT on paved road	622.25	VMT/day
Assumed average trip length	20	miles
Daily trip rate on paved surface	31.11	trips/day
Vehicle type distribution on paved surface		
LDA-CAT	94.5	%
MHD-DSL	5.0	%
HHD-DSL	0.4	%

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Urbemis 2007 Version 9.2.4

Detail Report for Annual Operational Unmitigated Emissions (Tons/Year)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 11-7-2011\2. Operation\2-A. Onsite Equipment and Vehicles\On-site Equipment and Vehicles.urb924

Project Name: McCoy Operation

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

OPERATIONAL EMISSION ESTIMATES (Annual Tons Per Year, Unmitigated)

Source	ROG	NOX	CO	SO2	PM10	PM25	CO2
McCoy PV project	0.00	0.03	0.02	0.00	7.73	0.77	14.32
TOTALS (tons/year, unmitigated)	0.00	0.03	0.02	0.00	7.73	0.77	14.32

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2017 Season: Annual

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
McCoy PV project		1.51	1000 sq ft	1.00	1.51	30.20
					1.51	30.20

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	0.0	0.2	99.6	0.2

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Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Truck < 3750 lbs	0.0	0.0	97.2	2.8
Light Truck 3751-5750 lbs	0.0	0.0	100.0	0.0
Med Truck 5751-8500 lbs	36.0	0.0	100.0	0.0
Lite-Heavy Truck 8501-10,000 lbs	0.0	0.0	76.5	23.5
Lite-Heavy Truck 10,001-14,000 lbs	0.0	0.0	57.1	42.9
Med-Heavy Truck 14,001-33,000 lbs	64.0	0.0	0.0	100.0
Heavy-Heavy Truck 33,001-60,000 lbs	0.0	0.0	0.0	100.0
Other Bus	0.0	0.0	0.0	100.0
Urban Bus	0.0	0.0	0.0	100.0
Motorcycle	0.0	44.4	55.6	0.0
School Bus	0.0	0.0	0.0	100.0
Motor Home	0.0	0.0	90.0	10.0

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	7.3	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	20.0	20.0	20.0	20.0	20.0	20.0
Trip speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)

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Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
McCoy PV project				100.0	0.0	0.0

Operational Changes to Defaults

The urban/rural selection has been changed from Urban to Rural

The percentage of paved roads changed from 100% to 0%

The percentage of unpaved roads changed from 0% to 100%

Home-based work rural trip length changed from 16.8 miles to 20 miles

Home-based shop rural trip length changed from 7.1 miles to 20 miles

Home-based other rural trip length changed from 7.9 miles to 20 miles

Commercial-based commute rural trip length changed from 14.7 miles to 20 miles

Commercial-based non-work rural trip length changed from 6.6 miles to 20 miles

Commercial-based customer rural trip length changed from 6.6 miles to 20 miles

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Urbemis 2007 Version 9.2.4

Detail Report for Summer Operational Unmitigated Emissions (Pounds/Day)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 11-7-2011\2. Operation\2-A. Onsite Equipment and Vehicles\On-site Equipment and Vehicles.urb924

Project Name: McCoy Operation

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

OPERATIONAL EMISSION ESTIMATES (Summer Pounds Per Day, Unmitigated)

Source	ROG	NOX	CO	SO2	PM10	PM25	CO2
McCoy PV project	0.01	0.13	0.13	0.00	42.33	4.24	79.26
TOTALS (lbs/day, unmitigated)	0.01	0.13	0.13	0.00	42.33	4.24	79.26

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2017 Temperature (F): 85 Season: Summer

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
McCoy PV project		1.51	1000 sq ft	1.00	1.51	30.20
					1.51	30.20

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	0.0	0.2	99.6	0.2

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Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Truck < 3750 lbs	0.0	0.0	97.2	2.8
Light Truck 3751-5750 lbs	0.0	0.0	100.0	0.0
Med Truck 5751-8500 lbs	36.0	0.0	100.0	0.0
Lite-Heavy Truck 8501-10,000 lbs	0.0	0.0	76.5	23.5
Lite-Heavy Truck 10,001-14,000 lbs	0.0	0.0	57.1	42.9
Med-Heavy Truck 14,001-33,000 lbs	64.0	0.0	0.0	100.0
Heavy-Heavy Truck 33,001-60,000 lbs	0.0	0.0	0.0	100.0
Other Bus	0.0	0.0	0.0	100.0
Urban Bus	0.0	0.0	0.0	100.0
Motorcycle	0.0	44.4	55.6	0.0
School Bus	0.0	0.0	0.0	100.0
Motor Home	0.0	0.0	90.0	10.0

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	7.3	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	20.0	20.0	20.0	20.0	20.0	20.0
Trip speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)

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Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
McCoy PV project				100.0	0.0	0.0

Operational Changes to Defaults

The urban/rural selection has been changed from Urban to Rural

The percentage of paved roads changed from 100% to 0%

The percentage of unpaved roads changed from 0% to 100%

Home-based work rural trip length changed from 16.8 miles to 20 miles

Home-based shop rural trip length changed from 7.1 miles to 20 miles

Home-based other rural trip length changed from 7.9 miles to 20 miles

Commercial-based commute rural trip length changed from 14.7 miles to 20 miles

Commercial-based non-work rural trip length changed from 6.6 miles to 20 miles

Commercial-based customer rural trip length changed from 6.6 miles to 20 miles

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Urbemis 2007 Version 9.2.4

Detail Report for Winter Operational Unmitigated Emissions (Pounds/Day)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 11-7-2011\2. Operation\2-A. Onsite Equipment and Vehicles\On-site Equipment and Vehicles.urb924

Project Name: McCoy Operation

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

OPERATIONAL EMISSION ESTIMATES (Winter Pounds Per Day, Unmitigated)

Source	ROG	NOX	CO	SO2	PM10	PM25	CO2
McCoy PV project	0.01	0.16	0.12	0.00	42.33	4.24	76.94
TOTALS (lbs/day, unmitigated)	0.01	0.16	0.12	0.00	42.33	4.24	76.94

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2017 Temperature (F): 40 Season: Winter

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
McCoy PV project		1.51	1000 sq ft	1.00	1.51	30.20
					1.51	30.20

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	0.0	0.2	99.6	0.2

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Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Truck < 3750 lbs	0.0	0.0	97.2	2.8
Light Truck 3751-5750 lbs	0.0	0.0	100.0	0.0
Med Truck 5751-8500 lbs	36.0	0.0	100.0	0.0
Lite-Heavy Truck 8501-10,000 lbs	0.0	0.0	76.5	23.5
Lite-Heavy Truck 10,001-14,000 lbs	0.0	0.0	57.1	42.9
Med-Heavy Truck 14,001-33,000 lbs	64.0	0.0	0.0	100.0
Heavy-Heavy Truck 33,001-60,000 lbs	0.0	0.0	0.0	100.0
Other Bus	0.0	0.0	0.0	100.0
Urban Bus	0.0	0.0	0.0	100.0
Motorcycle	0.0	44.4	55.6	0.0
School Bus	0.0	0.0	0.0	100.0
Motor Home	0.0	0.0	90.0	10.0

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	7.3	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	20.0	20.0	20.0	20.0	20.0	20.0
Trip speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)

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Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
McCoy PV project				100.0	0.0	0.0

Operational Changes to Defaults

The urban/rural selection has been changed from Urban to Rural

The percentage of paved roads changed from 100% to 0%

The percentage of unpaved roads changed from 0% to 100%

Home-based work rural trip length changed from 16.8 miles to 20 miles

Home-based shop rural trip length changed from 7.1 miles to 20 miles

Home-based other rural trip length changed from 7.9 miles to 20 miles

Commercial-based commute rural trip length changed from 14.7 miles to 20 miles

Commercial-based non-work rural trip length changed from 6.6 miles to 20 miles

Commercial-based customer rural trip length changed from 6.6 miles to 20 miles

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Urbemis 2007 Version 9.2.4

Detail Report for Annual Operational Unmitigated Emissions (Tons/Year)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 10-18-2011\2. Operation\2-B. Offsite Vehicles\McCoy Operation Offsite Vehicles.urb924

Project Name: McCoy Project Operation Offsite Vehicles

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

OPERATIONAL EMISSION ESTIMATES (Annual Tons Per Year, Unmitigated)

Source	ROG	NOX	CO	SO2	PM10	PM25	CO2
McCoy Project	0.02	0.07	0.43	0.00	0.20	0.04	104.65
TOTALS (tons/year, unmitigated)	0.02	0.07	0.43	0.00	0.20	0.04	104.65

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2017 Season: Annual

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
McCoy Project		31.11	1000 sq ft	1.00	31.11	622.20
					31.11	622.20

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	94.5	0.0	100.0	0.0

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Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Truck < 3750 lbs	0.0	0.0	97.2	2.8
Light Truck 3751-5750 lbs	0.0	0.0	100.0	0.0
Med Truck 5751-8500 lbs	0.0	0.0	100.0	0.0
Lite-Heavy Truck 8501-10,000 lbs	0.0	0.0	76.5	23.5
Lite-Heavy Truck 10,001-14,000 lbs	0.0	0.0	57.1	42.9
Med-Heavy Truck 14,001-33,000 lbs	5.0	0.0	0.0	100.0
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0
Other Bus	0.0	0.0	0.0	100.0
Urban Bus	0.0	0.0	0.0	100.0
Motorcycle	0.0	44.4	55.6	0.0
School Bus	0.0	0.0	0.0	100.0
Motor Home	0.0	0.0	90.0	10.0

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	7.3	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	20.0	20.0	20.0	20.0	20.0	20.0
Trip speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)

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Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
McCoy Project				100.0	0.0	0.0

Operational Changes to Defaults

The urban/rural selection has been changed from Urban to Rural

Home-based work rural trip length changed from 16.8 miles to 20 miles

Home-based shop rural trip length changed from 7.1 miles to 20 miles

Home-based other rural trip length changed from 7.9 miles to 20 miles

Commercial-based commute rural trip length changed from 14.7 miles to 20 miles

Commercial-based non-work rural trip length changed from 6.6 miles to 20 miles

Commercial-based customer rural trip length changed from 6.6 miles to 20 miles

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Urbemis 2007 Version 9.2.4

Detail Report for Summer Operational Unmitigated Emissions (Pounds/Day)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 10-18-2011\2. Operation\2-B. Offsite Vehicles\McCoy Operation Offsite Vehicles.urb924

Project Name: McCoy Project Operation Offsite Vehicles

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

OPERATIONAL EMISSION ESTIMATES (Summer Pounds Per Day, Unmitigated)

Source	ROG	NOX	CO	SO2	PM10	PM25	CO2
McCoy Project	0.12	0.36	2.46	0.01	1.07	0.20	598.95
TOTALS (lbs/day, unmitigated)	0.12	0.36	2.46	0.01	1.07	0.20	598.95

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2017 Temperature (F): 85 Season: Summer

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
McCoy Project		31.11	1000 sq ft	1.00	31.11	622.20
					31.11	622.20

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	94.5	0.0	100.0	0.0

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Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Truck < 3750 lbs	0.0	0.0	97.2	2.8
Light Truck 3751-5750 lbs	0.0	0.0	100.0	0.0
Med Truck 5751-8500 lbs	0.0	0.0	100.0	0.0
Lite-Heavy Truck 8501-10,000 lbs	0.0	0.0	76.5	23.5
Lite-Heavy Truck 10,001-14,000 lbs	0.0	0.0	57.1	42.9
Med-Heavy Truck 14,001-33,000 lbs	5.0	0.0	0.0	100.0
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0
Other Bus	0.0	0.0	0.0	100.0
Urban Bus	0.0	0.0	0.0	100.0
Motorcycle	0.0	44.4	55.6	0.0
School Bus	0.0	0.0	0.0	100.0
Motor Home	0.0	0.0	90.0	10.0

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	7.3	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	20.0	20.0	20.0	20.0	20.0	20.0
Trip speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)

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Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
McCoy Project				100.0	0.0	0.0

Operational Changes to Defaults

The urban/rural selection has been changed from Urban to Rural

Home-based work rural trip length changed from 16.8 miles to 20 miles

Home-based shop rural trip length changed from 7.1 miles to 20 miles

Home-based other rural trip length changed from 7.9 miles to 20 miles

Commercial-based commute rural trip length changed from 14.7 miles to 20 miles

Commercial-based non-work rural trip length changed from 6.6 miles to 20 miles

Commercial-based customer rural trip length changed from 6.6 miles to 20 miles

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Urbemis 2007 Version 9.2.4

Detail Report for Winter Operational Unmitigated Emissions (Pounds/Day)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 10-18-2011\2. Operation\2-B. Offsite Vehicles\McCoy Operation Offsite Vehicles.urb924

Project Name: McCoy Project Operation Offsite Vehicles

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

OPERATIONAL EMISSION ESTIMATES (Winter Pounds Per Day, Unmitigated)

Source	ROG	NOX	CO	SO2	PM10	PM25	CO2
McCoy Project	0.14	0.50	2.13	0.01	1.07	0.20	522.46
TOTALS (lbs/day, unmitigated)	0.14	0.50	2.13	0.01	1.07	0.20	522.46

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2017 Temperature (F): 40 Season: Winter

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
McCoy Project		31.11	1000 sq ft	1.00	31.11	622.20
					31.11	622.20

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	94.5	0.0	100.0	0.0

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Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Truck < 3750 lbs	0.0	0.0	97.2	2.8
Light Truck 3751-5750 lbs	0.0	0.0	100.0	0.0
Med Truck 5751-8500 lbs	0.0	0.0	100.0	0.0
Lite-Heavy Truck 8501-10,000 lbs	0.0	0.0	76.5	23.5
Lite-Heavy Truck 10,001-14,000 lbs	0.0	0.0	57.1	42.9
Med-Heavy Truck 14,001-33,000 lbs	5.0	0.0	0.0	100.0
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0
Other Bus	0.0	0.0	0.0	100.0
Urban Bus	0.0	0.0	0.0	100.0
Motorcycle	0.0	44.4	55.6	0.0
School Bus	0.0	0.0	0.0	100.0
Motor Home	0.0	0.0	90.0	10.0

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	7.3	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	20.0	20.0	20.0	20.0	20.0	20.0
Trip speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)

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Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
McCoy Project				100.0	0.0	0.0

Operational Changes to Defaults

The urban/rural selection has been changed from Urban to Rural

Home-based work rural trip length changed from 16.8 miles to 20 miles

Home-based shop rural trip length changed from 7.1 miles to 20 miles

Home-based other rural trip length changed from 7.9 miles to 20 miles

Commercial-based commute rural trip length changed from 14.7 miles to 20 miles

Commercial-based non-work rural trip length changed from 6.6 miles to 20 miles

Commercial-based customer rural trip length changed from 6.6 miles to 20 miles

Attachment 2-C

Summary of Operation Criteria Pollutant Emissions

Off-road Equipment Emissions Summary

Pollutant	Maximum Daily Emissions (lb/day)
NOx	0.820
ROG	0.043
CO	0.633
SO_2	0.001
PM10	0.035
PM2.5	0.035

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On-site Vehicles Emissions

Urbemis 2007 Version 9.2.4

Summary Report for Summer Emissions (Pounds/Day)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 11-7-2011\2. Operation\2-A. Onsite Equipment and Vehicles\On-site Equipment and Vehicles.urb924
Project Name: McCoy Operation

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
TOTALS (lbs/day, unmitigated)	0.01	0.13	0.13	0.00	42.33	4.24	79.26

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
TOTALS (lbs/day, unmitigated)	0.01	0.13	0.13	0.00	42.33	4.24	79.26

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On-site Vehicles Emissions

Urbemis 2007 Version 9.2.4

Summary Report for Winter Emissions (Pounds/Day)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 11-7-2011\2. Operation\2-A. Onsite Equipment and Vehicles\On-site Equipment and Vehicles.urb924
Project Name: McCoy Operation

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
TOTALS (lbs/day, unmitigated)	0.01	0.16	0.12	0.00	42.33	4.24	76.94

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
TOTALS (lbs/day, unmitigated)	0.01	0.16	0.12	0.00	42.33	4.24	76.94

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Off-site Vehicles Emissions

Urbemis 2007 Version 9.2.4

Summary Report for Summer Emissions (Pounds/Day)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 10-18-2011\2. Operation\2-B. Offsite Vehicles\McCoy Operation Offsite Vehicles.urb924

Project Name: McCoy Project Operation Offsite Vehicles

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
TOTALS (lbs/day, unmitigated)	0.12	0.36	2.46	0.01	1.07	0.20	598.95

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
TOTALS (lbs/day, unmitigated)	0.12	0.36	2.46	0.01	1.07	0.20	598.95

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Off-site Vehicles Emissions

Urbemis 2007 Version 9.2.4

Summary Report for Winter Emissions (Pounds/Day)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 10-18-2011\2. Operation\2-B. Offsite Vehicles\McCoy Operation Offsite Vehicles.urb924

Project Name: McCoy Project Operation Offsite Vehicles

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
TOTALS (lbs/day, unmitigated)	0.14	0.50	2.13	0.01	1.07	0.20	522.46

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
TOTALS (lbs/day, unmitigated)	0.14	0.50	2.13	0.01	1.07	0.20	522.46

Maximum Daily Operation Emissions (lb/day)										
Source	**ROG**	**NOx**	**CO**	**SO2**	**PM10 Exhaust**	**PM10 Dust**	**Total PM10**	**PM2.5 Exhaust**	**PM2.5 Dust**	**PM2.5**
On-Site Equipment	0.04	0.82	0.63	0.00	0.03	0.00	0.03	0.03	0.00	0.03
On-Site Vehicles	0.01	0.16	0.13	0.00	0.01	42.32	42.33	0.01	4.23	4.24
Off-Site Vehicles	0.14	0.50	2.46	0.01	0.05	1.02	1.07	0.03	0.17	0.20
Total Emisisons	**0.19**	**1.48**	**3.22**	**0.01**	**0.09**	**43.34**	**43.43**	**0.07**	**4.40**	**4.47**
MDAQMD CEQA Threshold	**137**	**137**	**548**	**137**			**82**			**82**
Significant Impact	**No**	**No**	**No**	**No**			**No**			**No**

Off-road Equipment Emissions Summary

Pollutant	Annual Emissions (tpy)
NOx	0.021
ROG	0.001
CO	0.016
SO_2	0.000
PM10	0.001
PM2.5	0.001

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Annual On-site Vehicles Emissions

Urbemis 2007 Version 9.2.4

Summary Report for Annual Emissions (Tons/Year)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 11-7-2011\2. Operation\2-A. Onsite Equipment and Vehicles\On-site Equipment and Vehicles.urb924

Project Name: McCoy Operation

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
TOTALS (tons/year, unmitigated)	0.00	0.03	0.02	0.00	7.73	0.77	14.32

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
TOTALS (tons/year, unmitigated)	0.00	0.03	0.02	0.00	7.73	0.77	14.32

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Annual Off-site Vehicles Emissions

Urbemis 2007 Version 9.2.4

Summary Report for Annual Emissions (Tons/Year)

File Name: C:\Users\mehtas\Desktop\McCOY\McCoy Construction Emissions\Emissions 10-18-2011\2. Operation\2-B. Offsite Vehicles\McCoy Operation Offsite Vehicles.urb924

Project Name: McCoy Project Operation Offsite Vehicles

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
TOTALS (tons/year, unmitigated)	0.02	0.07	0.43	0.00	0.20	0.04	104.65

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
TOTALS (tons/year, unmitigated)	0.02	0.07	0.43	0.00	0.20	0.04	104.65

Total Annual Operation Emissions (ton/year)										
Source	**CO**	**ROG**	**NOx**	**SOx**	**PM10 Exhaust**	**PM10 Dust**	**Total PM10**	**PM2.5 Exhaust**	**PM2.5 Dust**	**PM2.5**
Equipment	0.016	0.001	0.021	0.000	0.001	0.000	0.001	0.001	0.000	0.001
On Site Vehicles	0.020	0.000	0.030	0.000	0.000	7.730	7.730	0.000	0.770	0.770
Off Site Vehicles	0.430	0.020	0.070	0.000	0.010	0.190	0.200	0.010	0.030	0.040
Total	**0.47**	**0.02**	**0.12**	**0.00**	**0.01**	**7.92**	**7.93**	**0.01**	**0.80**	**0.81**
MDAQMD CEQA Threshold	**100**	**25**	**25**	**25**			**15**			**15**
Significant Impact (Yes/No)	No	No	No	No			No			No

Operation-Related GHG Emissions

1. GHG Emissions Using The Climate Registry Emission Factors

GHG Emissions	CO_2	CH_4	N_2O
Off-Road Equipment			
Emission Factor (kg/gallon)[1]	10.21	0.00058	0.00026
Annual Fuel Consumption (gallons/year)	179	179	179
Emission (Tonnes/year)	1.83	0.00	0.00
Total CO_2e Emissions (Tonnes/year)	1.84		
Diesel Vehicles			
Emission Factor (kg/gal)[1,2]	10.21	0.0000408	0.0000384
Emission (Tonnes/year)	12.99	0.00	0.00
Total CO_2e Emissions (Tonnes/year)	13.01		
Gasoline Vehicles			
Emission Factor (kg/gal)[1,2]	8.78	0.00356	0.000394
Emission (Tonnes/year)	94.94	0.04	0.00
Total CO_2e Emissions (Tonnes/year)	97.07		
Total Annual GHG Emissions from Equipment and Vehicle Operation			
Total CO_2e Emissions	**112**	**Tonnes/year**	

1. Emission Factors obtained from 2011 The Climate Registry Default Emission Factors – Released January 14, 2011. http://www.theclimateregistry.org/downloads/2009/05/2011-Emission-Factors.pdf

2. Emission factors for CH_4 and N_2O are the for Uncontrolled vehicles, heavy duty trucks for diesel vehicles and passenger cars for gasoline vehicles. Emissions factors for CH_4 and N_2O converted from kg/mile to kg/gallon assuming a fuel economy of 20 mpg for cars and light trucks and 8 mpg for medium and heavy duty vehicles.

2. Indirect GHG Emission from Electricity Use

Annual Electricity Consumption	76	MWh/year

Electricity Consumption Emissions	CO_2	CH_4	N_2O
Emission Factor (lb/MWh)[1]	681.01	0.02829	0.00623
Emissions (Tonnes/year)	23.48	0.0010	0.0002
Total CO_2e Emissions	**23.56**	**Tonnes/year**	

http://www.theclimateregistry.org/downloads/2009/05/2011-Emission-Factors.pdf

3. Fugitive Sulfur Hexafluoride Emissions

Equipment Type	Voltage (kV)	Full Charge Capacity (lbs of SF6)	lbs of SF_6/year (0.5% leak rate)	CO_2e (Tonnes/ year)
Circuit Breaker	230	270	1.4	14.6
Circuit Breaker	230	270	1.4	14.6
Circuit Breaker	230	270	1.4	14.6
Circuit Breaker	230	270	1.4	14.6
Circuit Breaker	34.5	100	0.5	5.4
Circuit Breaker	34.5	100	0.5	5.4
Circuit Breaker	34.5	100	0.5	5.4
Circuit Breaker	34.5	100	0.5	5.4
Estimated Metric Tons CO_2e/year =				**80.22**

1 metric ton =	2,205	lbs
SF_6 Global Warming Potential	23,900	

230 kV Breakers: Estimated to contain approximately 270 lbs of SF_6 based on specifications from Blythe Solar Power Project. Number of circuit breakers based on conservative estimates of two 230 kV breakers per power unit.

34.5 kV Breakers: Estimated to contain approximately 80 to 100 lbs of SF6 based on specifications from Blythe Solar Power Project. Number of circuit breakers based on conservative estimates of two 34.5 kV breakers per power unit.

4. GHG Reduction Due to Electricity Displacement

Capacity Factor	26%	
Combined Cycle Heat Rate	6940	Btu/kWh
Displaced System Fuel Type	Natural Gas	Solar power displaces dispatchable natural gas-fired generators
Annual Operating Hours	8760	hr/year
Project Capacity	750	MW
Project Energy Generated	1708200	MWh/year
Natural Gas Energy Equivalent	11854908	MMBtu/year

Emissions Displaced	**CO_2**	**CH_4**	**N_2O**
Emission Factor (kg/MMBtu)[1]	53.02	0.0009	0.0028
Emissions (Tonnes/year)	628,547	11	33
Total CO_2e Emissions	**639,061**	**Tonnes/year**	

1. Emission Factors obtained from 2011 The Climate Registry Default Emission Factors – Released January 14, 2011. http://www.theclimateregistry.org/downloads/2009/05/2011-Emission-Factors.pdf

California Senate Bill 1638 (Perata) establishes a GHG emission performance standard for all baseload generation at an emission rate of GHG that is not higher than the average emission rate of GHG for existing combined-cycle natural gas baseload generation (and includes the net lifecycle emissions resulting from the production of electricity by the baseload generation. The standard adopted by the CPUC for this is 1100 lb CO2e/MW·hr. If the local utility purchased additional electricity from others it would be expected to meet this standard

Net power production	750.0	MW
Hours per year	8,760	hrs
Capacity factor	0.26	
Displaced electricity emissions (Per SB 1638)	0.50	Tonnes CO_{2e}/MW·h
Emissions displaced	**852,310**	**Tonnes CO_{2e}/year**

Minimum GHG Emissions Displaced	**639,061**	**Tonnes CO_{2e}/year**

5. Net GHG Emissions

Fossil Fuel Combustion	112	Tonnes/Year
Indirect Electricity Use	23.6	Tonnes/Year
Fugitive Sulfur Hexafluoride Emission	80.2	Tonnes/Year
Emissions Displaced	-639,061	Tonnes/Year
Net Emissions	**-638,846**	**Tonnes/Year**