

DOCKETED

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PETITION FOR MODIFICATION

ADDENDUM

Use of Recycled Water and Associated Facilities

for the

Sacramento Power Authority's Campbell Cogeneration Project

Sacramento, California

(93-AFC-3C)

Prepared for

Sacramento Power Authority

May 2016

With Technical Assistance by

ch2mSM

Contents

Section	Page
1.0 Introduction	1-1
2.0 Changes to the Petition to Amend	2-1
2.1 Additional Information	2-1
2.1.1 Location of the Recycled Water Line	2-1
2.1.2 Air Emissions from Construction	2-1
2.2 Change to the Project Description.....	2-1
3.0 Environmental Analysis of Proposed Project Amendment.....	3-1
3.1 Location of the Recycled Water Line	3-1
3.2 Air Emission Estimate	3-1
3.3 Metering Building	3-1
3.3.1 Cultural Resources	3-2
3.3.2 Paleontological Resources.....	3-2

Figure(s)

- 2R Recycled waterline and construction parking/laydown area (Revised)
A-1 Metering Building Location

Appendix

- A-1 Construction Equipment Schedule and CalEEMod Outputs

Executive Summary

On November 20, 2015, the Sacramento Power Authority (SPA) submitted a petition to the California Energy Commission (CEC) for post-certification license modification for the Sacramento Power Authority's Campbell Cogeneration Project (SPAC) (93-AFC-3C) located in the City of Sacramento, California. The primary purpose of the petition to amend (PTA) was to replace use of potable water in the plant's cooling tower with recycled water. Since the PTA was submitted, the project has undergone further engineering design. Consequently, SPA has prepared this Addendum to provide some additional information on: 1) the likely location and depth of the recycled water line, and 2) air quality impacts from construction equipment; and to modify the project description to address the addition of a small metering building near the cooling tower.

In addition to providing information about the location of the recycled water line and air quality emission estimates from construction, the potential for environmental impacts, stemming from the increased depth of the recycled water pipeline and construction of the metering building, would be limited to Cultural and/or Paleontological Resources. Hence, only potential impacts to those two areas are examined further in this Addendum. Based on that analysis, the PTA adequately addressed the potential impacts to the project. No additional potential impacts were identified based on the changes to the project description described in this Addendum, and no additional mitigation measures are needed.

SECTION 1

Introduction

On November 30, 1994, the California Energy Commission (CEC) issued a license to Sacramento Power Authority (SPA) for the construction and operation of the Sacramento Power Authority at Campbell Cogeneration Project (SPAC). SPAC is a nominal 158-megawatt cogeneration facility consisting of a Siemens V84.2 natural-gas-fired combustion turbine generator, a steam turbine generator, and associated equipment. The facility is located in the City of Sacramento, California, on approximately 5.8 acres adjacent to the former Campbell Soup Supply Company LLC facility (now known as the Capital Commerce Center), which was SPAC's steam host. SPAC is located in Sacramento County at 3215 47th Avenue. It is east of the corner of 47th Avenue and Franklin Boulevard, approximately 1 mile west of Highway 99.

On November 20, 2015, SPA submitted a petition to the CEC for post-certification license modification for SPAC (93-AFC-3C). The primary purpose of the petition to amend (PTA) was to replace use of potable water with recycled water in SPAC's cooling tower and make other associated improvements. Since the PTA was submitted, the project has undergone further engineering design. Consequently, SPA has prepared this Addendum to provide an update on the likely location and depth of the recycled water line, add air emission estimates from construction, and modify the project description to address the potential impacts from addition of a small metering building.

All other information submitted in the PTA remains unchanged.

Changes to the Petition to Amend

This addendum provides an update to the location and depth of the recycled water line, an estimate of air emissions from construction of facilities described in the PTA, and an analysis of the potential environmental impacts from construction of a small metering building.

2.1 Additional Information

2.1.1 Location of the Recycled Water Line

The PTA stated that two possible locations were being considered for the recycled water line—one on each side of the plant's 47th Avenue east driveway. As a result of further engineering design, it has been determined that the recycled water line connection point will be located on the west side of the driveway, to the west of the existing potable water supply lines. In addition, due to the number of existing pipelines in this part of the plant, two possible routes have been identified. These routes are only approximate and may need to be modified further during construction to avoid existing pipelines. In addition, because of the congestion, the new recycled water line may need to be installed as much as 10 feet deep. Figure 2 of the PTA has been revised, as Figure 2R, to reflect the location of the recycled water line connection, valves, and meter, as well as the possible pipeline routes.

2.1.2 Air Emissions from Construction

The CEC Staff has also requested that SPA provide a quantification of construction-related air emissions over the 3-month construction period (onsite and offsite) and that these emissions estimate include the commute of the 10 to 12 construction workers and the estimated 3 trips per day in materials delivery.

2.2 Change to the Project Description

Since the PTA was filed, it is proposed that construction of a small metering building be added to the project description. As described previously in the PTA, switching to recycled water use will require additional chemical use. Consequently, SPA is proposing the addition of a small (6-foot by 8-foot) building to be located adjacent to the chemical storage area (Figure A-1). The building will house four to six pieces of tertiary water monitoring equipment along with the electrics needed to run the equipment and water tubing to bring the water to the equipment. Overhead lighting, exhaust fan and a wall- or ceiling-mounted air conditioning unit will also be installed in the building.

SECTION 3

Environmental Analysis

3.1 Location of the Recycled Water Line

Since the PTA addressed two possible locations of the water line and one of those locations—to the west of the existing potable water supply lines—has been chosen (see Figure 2R), no additional environmental analysis is needed. Because of the number of existing pipelines in the southern part of the plant, the depth of the recycled water pipeline needs to be increased from 6 feet to 10 feet below ground surface. Potential impacts from the increased depth are addressed in Section 3.3, below.

3.2 Air Emission Estimate

Onsite and offsite emissions associated with construction of the recycled water pipeline within the SPAC plant boundary were estimated using the CalEEMod software version 2013.2.2. CalEEMod is a statewide land use emissions computer model designed to provide a uniform platform for government agencies, land use planners, and environmental professionals to quantify potential criteria pollutant and greenhouse gas (GHG) emissions associated with both construction and operations from a variety of land use projects. The model was developed by the California Air Pollution Control Officers Association (CAPCOA) in collaboration with various air districts of California. The model quantifies direct emissions from construction and operations (including vehicle use), as well as indirect emissions, such as GHG emissions from energy use, water use, etc.

Construction emissions are based on a 3-month construction period with 8 weeks of off-road construction equipment use. The remaining weeks of construction are for electrical work, small piping installation, testing, etc., and do not include off-road construction equipment use. Appendix A-1 includes the construction equipment schedule and CalEEMod outputs. Table 3-1 summarizes the results of the CalEEMod construction emissions calculations.

Table 3-1. SPA Recycled Water Project Construction Emissions

ROG	NOx	CO	SO2	PM10	PM2.5	CO2	CH4	N2O	CO2e
Maximum Daily Emissions (lbs/day)									
2	24	14	0.03	1	1	2,727	0.7	0.00	2,742
Annual Emissions (tons/year except GHGs which are MT/year)									
0.04	0.4	0.2	0.0004	0.02	0.02	37	0.009	0.00	37

3.3 Pipeline Depth and Metering Building

This section addresses potential impacts to Cultural and Paleontological Resources resulting from the increased depth of the recycled water line and from the addition of a small metering building. Potential impacts to the other discipline areas would be minimal and would not result in a potentially significant change to the analysis previously provided in the PTA.

3.3.1 Cultural Resources

The PTA made the following conclusions regarding potential Cultural Resource impacts:

The SPAC site is completely developed and in use. No visible native soils are present. The site was previously subject to a pedestrian survey as well as subsurface testing during the licensing process, which identified no historical resources (Siemens et al., 1993).

A new search of the California Historical Resources Information System (CHRIS) North Central Information Center (NCIC) was commissioned by CH2M HILL. No previously recorded resources are located within the project area.

The proposed modification will not create a significant cultural resources impact and will not require additional mitigation measures.

Increasing the depth of the recycled water pipeline from 6 feet to 10 feet will not increase the risk to cultural resources. Construction of the metering building will require modest foundations, likely less than 6 inches deep. Due to the disturbed nature of the plant site and lack of cultural sensitivity, no additional mitigation measures (beyond those proposed in the PTA) will be required for Cultural Resources. The changes proposed for SPAC are consistent with all applicable LORS and will not require a modification of any of the licensing conditions.

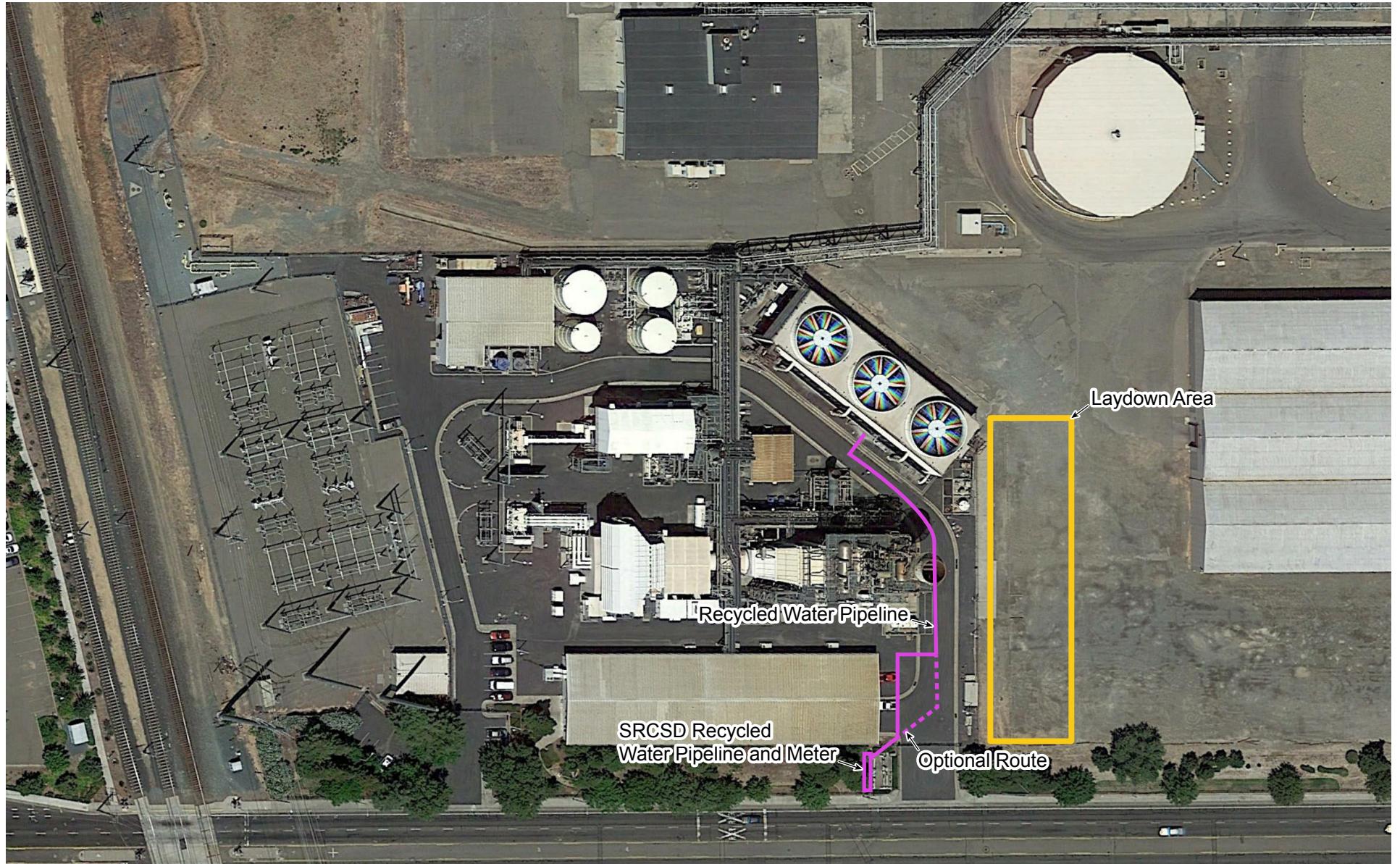
3.3.2 Paleontological Resources

The PTA made the following conclusions regarding potential Paleontological Resource impacts:

The project is located on the Riverbank Terrace, in sediments of the Middle to Late Pleistocene Riverbank Formation (Fm). The Riverbank Fm was deposited during the Middle Pleistocene on an aggradational plain or low-angle alluvial fan that has since been uplifted and partly dissected. It consists of interbedded sand, silt, and clay, and contains buried stream channels in the form of gravel lenses (Siemens et al., 1993).

Paleontological resources literature reviews and records searches conducted by CH2M's senior paleontologist, as well as project experience (no record of paleontological resources being discovered during construction of SPAC were found), show that while the distal facies (sediments deposited farthest from the mountain front) of the Riverbank Fm, 10 to 20 miles to the west and closer to the valley bottom, have yielded paleontological resources, such is not the case here. Closer to the foothills, including in the vicinity of this project, the proximal facies of the Riverbank Fm are indurated, more altered by soil formation and generally lack paleontological materials.

Increasing the depth of the recycled water pipeline from 6 feet to 10 feet will not increase the risk to paleontological resources. Construction of the metering building will require modest foundations, likely less than 6 inches deep. Due to the disturbed nature of the plant site and lack of paleontological sensitivity, no additional mitigation measures (beyond those proposed in the PTA) will be required for Paleontological Resources. The changes proposed for SPAC are consistent with all applicable LORS and will not require a modification of any of the licensing conditions.



Note: Locations are approximate.



0 50 100
Approximate scale in feet

Figure 2R. Pipeline and Laydown Area
SPA Campbell Cogeneration Project

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Figure A-1. Metering Building Location
SPA Campbell Cogeneration Project
Addendum

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APPENDIX A-1

Construction Equipment Schedule and CalEEMod Outputs

Construction Equipment Schedule

SPA Recycled Water On Site Pipeline Construction Emissions

			Number of Equipment Units Required per Week												
			Week	Week	Week	Week	Week	Week	Week	Week	Week	Week	Week	Week	
Equipment Description	Usage Factor	hr/day	1	2	3	4	5	6	7	8	9	10	11	12	Totals
Vacuum Truck	75%	10	1	1	1	1									4
Excavator/Backhoe 84 hp	75%	10	1	1	1	1	1	1	1	1					8
Compactor 145 hp	50%	10			1	1	1	1	1	1					5
Asphalt Paver, 102 hp	90%	10						1	1	1					3
Air Compressor, 185 cfm	75%	10	1	1	1	1	1	1	1	1					8
Crane 20 Ton Grove 185 hp	50%	10			1	1	1	1	1	1					6
Welder, Multiquip BLW-300SS, 23 hp	25%	10			1	1	1	1	1	1					5

Daily Construction Emissions

SPA Recycled Water On Site Project Construction Emissions

Sacramento Metropolitan AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	1.00	User Defined Unit	0.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2014
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	590.31	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Construction Phase - Custom 8-Week Schedule

Off-road Equipment - Week 1 Equipment

Off-road Equipment - Week 2 Equipment

Off-road Equipment - Week 3 Equipment

Off-road Equipment - Week 4 Equipment

Off-road Equipment - Week 5 Equipment

Off-road Equipment - Week 6 Equipment

Off-road Equipment - Week 7 Equipment

Off-road Equipment - Week 8 Equipment

Off-road Equipment - Week 9 Equipment

Trips and VMT - Custom Trip Generation Rates

Table Name	Column Name	Default Value	New Value
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tblConstructionPhase	NumDays	0.00	5.00
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tblOffRoadEquipment	PhaseName		Week 6
tblOffRoadEquipment	PhaseName		Week 7

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2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	2.4482	24.4523	13.9559	0.0269	0.1089	1.2381	1.3470	0.0292	1.1599	1.1891	0.0000	2,726.8564	2,726.8564	0.7098	0.0000	2,741.7619
Total	2.4482	24.4523	13.9559	0.0269	0.1089	1.2381	1.3470	0.0292	1.1599	1.1891	0.0000	2,726.8564	2,726.8564	0.7098	0.0000	2,741.7619

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	2.4482	24.4523	13.9559	0.0269	0.1089	1.2381	1.3470	0.0292	1.1599	1.1891	0.0000	2,726.8564	2,726.8564	0.7098	0.0000	2,741.7619
Total	2.4482	24.4523	13.9559	0.0269	0.1089	1.2381	1.3470	0.0292	1.1599	1.1891	0.0000	2,726.8564	2,726.8564	0.7098	0.0000	2,741.7619

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.0000e-005	0.0000	1.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	2.2000e-004	2.2000e-004	0.0000			2.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.0000e-005	0.0000	1.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.2000e-004	2.2000e-004	0.0000	0.0000	0.0000	2.3000e-004

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.0000e-005	0.0000	1.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	2.2000e-004	2.2000e-004	0.0000			2.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.0000e-005	0.0000	1.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.2000e-004	2.2000e-004	0.0000	0.0000	0.0000	2.3000e-004

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Week 1	Building Construction	6/1/2016	6/7/2016	5	5	
2	Week 2	Building Construction	6/8/2016	6/14/2016	5	5	
3	Week 3	Building Construction	6/15/2016	6/21/2016	5	5	
4	Week 4	Building Construction	6/22/2016	6/28/2016	5	5	
5	Week 5	Building Construction	6/29/2016	7/5/2016	5	5	
6	Week 6	Building Construction	7/6/2016	7/12/2016	5	5	
7	Week 7	Building Construction	7/13/2016	7/19/2016	5	5	
8	Week 8	Building Construction	7/20/2016	7/26/2016	5	5	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Week 1	Air Compressors	1	7.50	78	0.48
Week 1	Excavators	1	7.50	84	0.38
Week 1	Off-Highway Trucks	1	7.50	400	0.38

Week 2	Air Compressors	1	7.50	78	0.48
Week 2	Excavators	1	7.50	84	0.38
Week 2	Off-Highway Trucks	1	7.50	400	0.38
Week 3	Air Compressors	1	7.50	78	0.48
Week 3	Cranes	1	5.00	185	0.29
Week 3	Excavators	1	7.50	84	0.38
Week 3	Off-Highway Trucks	1	7.50	400	0.38
Week 3	Other Construction Equipment	1	5.00	145	0.42
Week 3	Welders	1	2.50	23	0.45
Week 4	Air Compressors	1	7.50	78	0.48
Week 4	Cranes	1	5.00	185	0.29
Week 4	Excavators	1	7.50	84	0.38
Week 4	Off-Highway Trucks	1	7.50	400	0.38
Week 4	Other Construction Equipment	1	5.00	145	0.42
Week 4	Welders	1	2.50	23	0.45
Week 5	Air Compressors	1	7.50	78	0.48
Week 5	Cranes	1	5.00	185	0.29
Week 5	Excavators	1	7.50	84	0.38
Week 5	Other Construction Equipment	1	5.00	145	0.42
Week 5	Welders	1	2.50	23	0.45
Week 6	Air Compressors	1	7.50	78	0.48
Week 6	Cranes	1	5.00	185	0.29
Week 6	Excavators	1	7.50	84	0.38
Week 6	Other Construction Equipment	1	5.00	145	0.42
Week 6	Pavers	1	9.00	102	0.42
Week 6	Welders	1	2.50	23	0.45
Week 7	Air Compressors	1	7.50	78	0.48
Week 7	Cranes	1	5.00	185	0.29

Week 7	Excavators	1	7.50	84	0.38
Week 7	Other Construction Equipment	1	5.00	145	0.42
Week 7	Pavers	1	9.00	102	0.42
Week 7	Welders	1	2.50	23	0.45
Week 8	Air Compressors	1	7.50	78	0.48
Week 8	Cranes	1	5.00	185	0.29
Week 8	Excavators	1	7.50	84	0.38
Week 8	Pavers	1	9.00	102	0.42

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Week 1	3	12.00	3.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Week 2	3	12.00	3.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Week 3	6	12.00	3.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Week 4	6	12.00	3.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Week 5	5	12.00	3.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Week 6	6	12.00	3.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Week 7	6	12.00	3.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Week 8	4	12.00	3.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Week 1 - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5947	15.6238	9.0251	0.0186		0.8112	0.8112		0.7660	0.7660	1,897.6299	1,897.6299	0.5078			1,908.2927
Total	1.5947	15.6238	9.0251	0.0186		0.8112	0.8112		0.7660	0.7660	1,897.6299	1,897.6299	0.5078			1,908.2927

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0363	0.2410	0.4228	6.3000e-004	0.0176	3.9500e-003	0.0216	5.0200e-003	3.6300e-003	8.6400e-003	62.6350	62.6350	4.9000e-004			62.6454
Worker	0.0481	0.0433	0.5791	1.1700e-003	0.0913	6.7000e-004	0.0920	0.0242	6.2000e-004	0.0248	95.9316	95.9316	4.6300e-003			96.0290
Total	0.0843	0.2842	1.0019	1.8000e-003	0.1089	4.6200e-003	0.1135	0.0292	4.2500e-003	0.0335	158.5667	158.5667	5.1200e-003			158.6743

3.2 Week 1 - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.5947	15.6238	9.0251	0.0186		0.8112	0.8112		0.7660	0.7660	0.0000	1,897.6299	1,897.6299	0.5078		1,908.2927	
Total	1.5947	15.6238	9.0251	0.0186		0.8112	0.8112		0.7660	0.7660	0.0000	1,897.6299	1,897.6299	0.5078		1,908.2927	

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.0363	0.2410	0.4228	6.3000e-004	0.0176	3.9500e-003	0.0216	5.0200e-003	3.6300e-003	8.6400e-003	62.6350	62.6350	4.9000e-004			62.6454	
Worker	0.0481	0.0433	0.5791	1.1700e-003	0.0913	6.7000e-004	0.0920	0.0242	6.2000e-004	0.0248	95.9316	95.9316	4.6300e-003			96.0290	
Total	0.0843	0.2842	1.0019	1.8000e-003	0.1089	4.6200e-003	0.1135	0.0292	4.2500e-003	0.0335		158.5667	158.5667	5.1200e-003			158.6743

3.3 Week 2 - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5947	15.6238	9.0251	0.0186		0.8112	0.8112		0.7660	0.7660	1,897.6299	1,897.6299	0.5078			1,908.2927
Total	1.5947	15.6238	9.0251	0.0186		0.8112	0.8112		0.7660	0.7660	1,897.6299	1,897.6299	0.5078			1,908.2927

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0363	0.2410	0.4228	6.3000e-004	0.0176	3.9500e-003	0.0216	5.0200e-003	3.6300e-003	8.6400e-003	62.6350	62.6350	4.9000e-004			62.6454
Worker	0.0481	0.0433	0.5791	1.1700e-003	0.0913	6.7000e-004	0.0920	0.0242	6.2000e-004	0.0248	95.9316	95.9316	4.6300e-003			96.0290
Total	0.0843	0.2842	1.0019	1.8000e-003	0.1089	4.6200e-003	0.1135	0.0292	4.2500e-003	0.0335	158.5667	158.5667	5.1200e-003			158.6743

3.3 Week 2 - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.5947	15.6238	9.0251	0.0186		0.8112	0.8112		0.7660	0.7660	0.0000	1,897.6299	1,897.6299	0.5078		1,908.2927	
Total	1.5947	15.6238	9.0251	0.0186		0.8112	0.8112		0.7660	0.7660	0.0000	1,897.6299	1,897.6299	0.5078		1,908.2927	

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.0363	0.2410	0.4228	6.3000e-004	0.0176	3.9500e-003	0.0216	5.0200e-003	3.6300e-003	8.6400e-003	62.6350	62.6350	4.9000e-004			62.6454	
Worker	0.0481	0.0433	0.5791	1.1700e-003	0.0913	6.7000e-004	0.0920	0.0242	6.2000e-004	0.0248	95.9316	95.9316	4.6300e-003			96.0290	
Total	0.0843	0.2842	1.0019	1.8000e-003	0.1089	4.6200e-003	0.1135	0.0292	4.2500e-003	0.0335		158.5667	158.5667	5.1200e-003			158.6743

3.4 Week 3 - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	2.3639	24.1681	12.9541	0.0251		1.2292	1.2292		1.1517	1.1517		2,568.2897	2,568.2897	0.7047		2,583.0876	
Total	2.3639	24.1681	12.9541	0.0251		1.2292	1.2292		1.1517	1.1517		2,568.2897	2,568.2897	0.7047		2,583.0876	

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	0.0363	0.2410	0.4228	6.3000e-004	0.0176	3.9500e-003	0.0216	5.0200e-003	3.6300e-003	8.6400e-003		62.6350	62.6350	4.9000e-004		62.6454	
Worker	0.0481	0.0433	0.5791	1.1700e-003	0.0913	6.7000e-004	0.0920	0.0242	6.2000e-004	0.0248		95.9316	95.9316	4.6300e-003		96.0290	
Total	0.0843	0.2842	1.0019	1.8000e-003	0.1089	4.6200e-003	0.1135	0.0292	4.2500e-003	0.0335		158.5667	158.5667	5.1200e-003		158.6743	

3.4 Week 3 - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	2.3639	24.1681	12.9541	0.0251		1.2292	1.2292		1.1517	1.1517	0.0000	2,568.2897	2,568.2897	0.7047		2,583.0876	
Total	2.3639	24.1681	12.9541	0.0251		1.2292	1.2292		1.1517	1.1517	0.0000	2,568.2897	2,568.2897	0.7047		2,583.0876	

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	0.0363	0.2410	0.4228	6.3000e-004	0.0176	3.9500e-003	0.0216	5.0200e-003	3.6300e-003	8.6400e-003		62.6350	62.6350	4.9000e-004		62.6454	
Worker	0.0481	0.0433	0.5791	1.1700e-003	0.0913	6.7000e-004	0.0920	0.0242	6.2000e-004	0.0248		95.9316	95.9316	4.6300e-003		96.0290	
Total	0.0843	0.2842	1.0019	1.8000e-003	0.1089	4.6200e-003	0.1135	0.0292	4.2500e-003	0.0335		158.5667	158.5667	5.1200e-003		158.6743	

3.5 Week 4 - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	2.3639	24.1681	12.9541	0.0251		1.2292	1.2292		1.1517	1.1517		2,568.2897	2,568.2897	0.7047		2,583.0876	
Total	2.3639	24.1681	12.9541	0.0251		1.2292	1.2292		1.1517	1.1517		2,568.2897	2,568.2897	0.7047		2,583.0876	

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	0.0363	0.2410	0.4228	6.3000e-004	0.0176	3.9500e-003	0.0216	5.0200e-003	3.6300e-003	8.6400e-003		62.6350	62.6350	4.9000e-004		62.6454	
Worker	0.0481	0.0433	0.5791	1.1700e-003	0.0913	6.7000e-004	0.0920	0.0242	6.2000e-004	0.0248		95.9316	95.9316	4.6300e-003		96.0290	
Total	0.0843	0.2842	1.0019	1.8000e-003	0.1089	4.6200e-003	0.1135	0.0292	4.2500e-003	0.0335		158.5667	158.5667	5.1200e-003		158.6743	

3.5 Week 4 - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	2.3639	24.1681	12.9541	0.0251		1.2292	1.2292		1.1517	1.1517	0.0000	2,568.2897	2,568.2897	0.7047		2,583.0876	
Total	2.3639	24.1681	12.9541	0.0251		1.2292	1.2292		1.1517	1.1517	0.0000	2,568.2897	2,568.2897	0.7047		2,583.0876	

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	0.0363	0.2410	0.4228	6.3000e-004	0.0176	3.9500e-003	0.0216	5.0200e-003	3.6300e-003	8.6400e-003		62.6350	62.6350	4.9000e-004		62.6454	
Worker	0.0481	0.0433	0.5791	1.1700e-003	0.0913	6.7000e-004	0.0920	0.0242	6.2000e-004	0.0248		95.9316	95.9316	4.6300e-003		96.0290	
Total	0.0843	0.2842	1.0019	1.8000e-003	0.1089	4.6200e-003	0.1135	0.0292	4.2500e-003	0.0335		158.5667	158.5667	5.1200e-003		158.6743	

3.6 Week 5 - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4808	13.9944	8.2160	0.0128		0.8454	0.8454		0.7986	0.7986	1,286.8730	1,286.8730	0.3181			1,293.5539
Total	1.4808	13.9944	8.2160	0.0128		0.8454	0.8454		0.7986	0.7986	1,286.8730	1,286.8730	0.3181			1,293.5539

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0363	0.2410	0.4228	6.3000e-004	0.0176	3.9500e-003	0.0216	5.0200e-003	3.6300e-003	8.6400e-003	62.6350	62.6350	4.9000e-004			62.6454
Worker	0.0481	0.0433	0.5791	1.1700e-003	0.0913	6.7000e-004	0.0920	0.0242	6.2000e-004	0.0248	95.9316	95.9316	4.6300e-003			96.0290
Total	0.0843	0.2842	1.0019	1.8000e-003	0.1089	4.6200e-003	0.1135	0.0292	4.2500e-003	0.0335	158.5667	158.5667	5.1200e-003			158.6743

3.6 Week 5 - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4808	13.9944	8.2160	0.0128		0.8454	0.8454		0.7986	0.7986	0.0000	1,286.8730	1,286.8730	0.3181		1,293.5539
Total	1.4808	13.9944	8.2160	0.0128		0.8454	0.8454		0.7986	0.7986	0.0000	1,286.8730	1,286.8730	0.3181		1,293.5539

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.0363	0.2410	0.4228	6.3000e-004	0.0176	3.9500e-003	0.0216	5.0200e-003	3.6300e-003	8.6400e-003	62.6350	62.6350	4.9000e-004			62.6454	
Worker	0.0481	0.0433	0.5791	1.1700e-003	0.0913	6.7000e-004	0.0920	0.0242	6.2000e-004	0.0248	95.9316	95.9316	4.6300e-003			96.0290	
Total	0.0843	0.2842	1.0019	1.8000e-003	0.1089	4.6200e-003	0.1135	0.0292	4.2500e-003	0.0335		158.5667	158.5667	5.1200e-003			158.6743

3.7 Week 6 - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	2.0332	18.9980	11.4193	0.0169			1.2335	1.2335		1.1556	1.1556		1,715.0927	1,715.0927	0.4473		1,724.4861
Total	2.0332	18.9980	11.4193	0.0169			1.2335	1.2335		1.1556	1.1556		1,715.0927	1,715.0927	0.4473		1,724.4861

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000		0.0000
Vendor	0.0363	0.2410	0.4228	6.3000e-004	0.0176	3.9500e-003	0.0216	5.0200e-003	3.6300e-003	8.6400e-003			62.6350	62.6350	4.9000e-004		62.6454
Worker	0.0481	0.0433	0.5791	1.1700e-003	0.0913	6.7000e-004	0.0920	0.0242	6.2000e-004	0.0248			95.9316	95.9316	4.6300e-003		96.0290
Total	0.0843	0.2842	1.0019	1.8000e-003	0.1089	4.6200e-003	0.1135	0.0292	4.2500e-003	0.0335			158.5667	158.5667	5.1200e-003		158.6743

3.7 Week 6 - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	2.0332	18.9980	11.4193	0.0169			1.2335	1.2335		1.1556	1.1556	0.0000	1,715.0927	1,715.0927	0.4473		1,724.4861
Total	2.0332	18.9980	11.4193	0.0169			1.2335	1.2335		1.1556	1.1556	0.0000	1,715.0927	1,715.0927	0.4473		1,724.4861

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.0363	0.2410	0.4228	6.3000e-004	0.0176	3.9500e-003	0.0216	5.0200e-003	3.6300e-003	8.6400e-003	62.6350	62.6350	4.9000e-004			62.6454	
Worker	0.0481	0.0433	0.5791	1.1700e-003	0.0913	6.7000e-004	0.0920	0.0242	6.2000e-004	0.0248	95.9316	95.9316	4.6300e-003			96.0290	
Total	0.0843	0.2842	1.0019	1.8000e-003	0.1089	4.6200e-003	0.1135	0.0292	4.2500e-003	0.0335		158.5667	158.5667	5.1200e-003			158.6743

3.8 Week 7 - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	2.0332	18.9980	11.4193	0.0169			1.2335	1.2335		1.1556	1.1556		1,715.0927	1,715.0927	0.4473		1,724.4861
Total	2.0332	18.9980	11.4193	0.0169			1.2335	1.2335		1.1556	1.1556		1,715.0927	1,715.0927	0.4473		1,724.4861

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000		0.0000
Vendor	0.0363	0.2410	0.4228	6.3000e-004	0.0176	3.9500e-003	0.0216	5.0200e-003	3.6300e-003	8.6400e-003			62.6350	62.6350	4.9000e-004		62.6454
Worker	0.0481	0.0433	0.5791	1.1700e-003	0.0913	6.7000e-004	0.0920	0.0242	6.2000e-004	0.0248			95.9316	95.9316	4.6300e-003		96.0290
Total	0.0843	0.2842	1.0019	1.8000e-003	0.1089	4.6200e-003	0.1135	0.0292	4.2500e-003	0.0335			158.5667	158.5667	5.1200e-003		158.6743

3.8 Week 7 - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	2.0332	18.9980	11.4193	0.0169			1.2335	1.2335		1.1556	1.1556	0.0000	1,715.0927	1,715.0927	0.4473		1,724.4861
Total	2.0332	18.9980	11.4193	0.0169			1.2335	1.2335		1.1556	1.1556	0.0000	1,715.0927	1,715.0927	0.4473		1,724.4861

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.0363	0.2410	0.4228	6.3000e-004	0.0176	3.9500e-003	0.0216	5.0200e-003	3.6300e-003	8.6400e-003	62.6350	62.6350	4.9000e-004			62.6454	
Worker	0.0481	0.0433	0.5791	1.1700e-003	0.0913	6.7000e-004	0.0920	0.0242	6.2000e-004	0.0248	95.9316	95.9316	4.6300e-003			96.0290	
Total	0.0843	0.2842	1.0019	1.8000e-003	0.1089	4.6200e-003	0.1135	0.0292	4.2500e-003	0.0335		158.5667	158.5667	5.1200e-003			158.6743

3.9 Week 8 - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6323	14.8186	9.0173	0.0133		1.0135	1.0135		0.9521	0.9521		1,344.3594	1,344.3594	0.3409		1,351.5176
Total	1.6323	14.8186	9.0173	0.0133		1.0135	1.0135		0.9521	0.9521		1,344.3594	1,344.3594	0.3409		1,351.5176

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0363	0.2410	0.4228	6.3000e-004	0.0176	3.9500e-003	0.0216	5.0200e-003	3.6300e-003	8.6400e-003		62.6350	62.6350	4.9000e-004		62.6454
Worker	0.0481	0.0433	0.5791	1.1700e-003	0.0913	6.7000e-004	0.0920	0.0242	6.2000e-004	0.0248		95.9316	95.9316	4.6300e-003		96.0290
Total	0.0843	0.2842	1.0019	1.8000e-003	0.1089	4.6200e-003	0.1135	0.0292	4.2500e-003	0.0335		158.5667	158.5667	5.1200e-003		158.6743

3.9 Week 8 - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6323	14.8186	9.0173	0.0133		1.0135	1.0135		0.9521	0.9521	0.0000	1,344.3594	1,344.3594	0.3409		1,351.5176
Total	1.6323	14.8186	9.0173	0.0133		1.0135	1.0135		0.9521	0.9521	0.0000	1,344.3594	1,344.3594	0.3409		1,351.5176

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0363	0.2410	0.4228	6.3000e-004	0.0176	3.9500e-003	0.0216	5.0200e-003	3.6300e-003	8.6400e-003	62.6350	62.6350	4.9000e-004			62.6454
Worker	0.0481	0.0433	0.5791	1.1700e-003	0.0913	6.7000e-004	0.0920	0.0242	6.2000e-004	0.0248	95.9316	95.9316	4.6300e-003			96.0290
Total	0.0843	0.2842	1.0019	1.8000e-003	0.1089	4.6200e-003	0.1135	0.0292	4.2500e-003	0.0335		158.5667	158.5667	5.1200e-003		158.6743

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

		Average Daily Trip Rate			Unmitigated		Mitigated	
Land Use		Weekday	Saturday	Sunday	Annual VMT		Annual VMT	
User Defined Industrial		0.00	0.00	0.00				
Total		0.00	0.00	0.00				

4.3 Trip Type Information

		Miles			Trip %			Trip Purpose %		
Land Use		H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial		10.00	5.00	6.50	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.504217	0.068068	0.177511	0.150009	0.045572	0.006451	0.019525	0.014983	0.002306	0.002359	0.006212	0.000585	0.002203

4.4 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day											lb/day					
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Total		0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.0000e-005	0.0000	1.1000e-004	0.0000			0.0000	0.0000		0.0000	0.0000	2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Unmitigated	1.0000e-005	0.0000	1.1000e-004	0.0000			0.0000	0.0000		0.0000	0.0000	2.2000e-004	2.2000e-004	0.0000		2.3000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Consumer Products	0.0000						0.0000	0.0000		0.0000	0.0000		0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000		0.0000				0.0000
Total	1.0000e-005	0.0000	1.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000		0.0000				0.0000
Landscaping	1.0000e-005	0.0000	1.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000		0.0000				0.0000
Total	1.0000e-005	0.0000	1.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Annual Construction Emissions

SPA Recycled Water On Site Project Construction Emissions

Sacramento Metropolitan AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	1.00	User Defined Unit	0.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2014
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	590.31	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Construction Phase - Custom 8-Week Schedule

Off-road Equipment - Week 1 Equipment

Off-road Equipment - Week 2 Equipment

Off-road Equipment - Week 3 Equipment

Off-road Equipment - Week 4 Equipment

Off-road Equipment - Week 5 Equipment

Off-road Equipment - Week 6 Equipment

Off-road Equipment - Week 7 Equipment

Off-road Equipment - Week 8 Equipment

Off-road Equipment - Week 9 Equipment

Trips and VMT - Custom Trip Generation Rates

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	0.00	5.00
tblConstructionPhase	NumDays	0.00	5.00
tblConstructionPhase	NumDays	0.00	5.00
tblConstructionPhase	NumDays	0.00	5.00
tblConstructionPhase	NumDays	0.00	5.00
tblConstructionPhase	NumDays	0.00	5.00
tblConstructionPhase	NumDays	0.00	5.00
tblConstructionPhase	NumDays	0.00	5.00
tblOffRoadEquipment	HorsePower	226.00	185.00
tblOffRoadEquipment	HorsePower	226.00	185.00
tblOffRoadEquipment	HorsePower	226.00	185.00
tblOffRoadEquipment	HorsePower	226.00	185.00
tblOffRoadEquipment	HorsePower	226.00	185.00
tblOffRoadEquipment	HorsePower	226.00	185.00
tblOffRoadEquipment	HorsePower	162.00	84.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Week 2
tblOffRoadEquipment	PhaseName		Week 3
tblOffRoadEquipment	PhaseName		Week 4
tblOffRoadEquipment	PhaseName		Week 5
tblOffRoadEquipment	PhaseName		Week 6
tblOffRoadEquipment	PhaseName		Week 7

tblOffRoadEquipment	PhaseName		Week 8
tblOffRoadEquipment	PhaseName		Week 2
tblOffRoadEquipment	PhaseName		Week 3
tblOffRoadEquipment	PhaseName		Week 4
tblOffRoadEquipment	PhaseName		Week 5
tblOffRoadEquipment	PhaseName		Week 6
tblOffRoadEquipment	PhaseName		Week 7
tblOffRoadEquipment	PhaseName		Week 8
tblOffRoadEquipment	PhaseName		Week 2
tblOffRoadEquipment	PhaseName		Week 3
tblOffRoadEquipment	PhaseName		Week 4
tblOffRoadEquipment	PhaseName		Week 3
tblOffRoadEquipment	PhaseName		Week 4
tblOffRoadEquipment	PhaseName		Week 5
tblOffRoadEquipment	PhaseName		Week 6
tblOffRoadEquipment	PhaseName		Week 7
tblOffRoadEquipment	PhaseName		Week 6
tblOffRoadEquipment	PhaseName		Week 7
tblOffRoadEquipment	PhaseName		Week 8
tblOffRoadEquipment	PhaseName		Week 3
tblOffRoadEquipment	PhaseName		Week 4
tblOffRoadEquipment	PhaseName		Week 5
tblOffRoadEquipment	PhaseName		Week 6
tblOffRoadEquipment	PhaseName		Week 7
tblOffRoadEquipment	UsageHours	4.00	5.00
tblOffRoadEquipment	UsageHours	4.00	5.00
tblOffRoadEquipment	UsageHours	4.00	5.00
tblOffRoadEquipment	UsageHours	4.00	5.00

tblOffRoadEquipment	UsageHours	4.00	5.00
tblOffRoadEquipment	UsageHours	4.00	5.00
tblTripsAndVMT	VendorTripNumber	0.00	3.00
tblTripsAndVMT	VendorTripNumber	0.00	3.00
tblTripsAndVMT	VendorTripNumber	0.00	3.00
tblTripsAndVMT	VendorTripNumber	0.00	3.00
tblTripsAndVMT	VendorTripNumber	0.00	3.00
tblTripsAndVMT	VendorTripNumber	0.00	3.00
tblTripsAndVMT	VendorTripNumber	0.00	3.00
tblTripsAndVMT	VendorTripNumber	0.00	3.00
tblTripsAndVMT	VendorTripNumber	0.00	3.00
tblTripsAndVMT	WorkerTripNumber	0.00	12.00
tblTripsAndVMT	WorkerTripNumber	0.00	12.00
tblTripsAndVMT	WorkerTripNumber	0.00	12.00
tblTripsAndVMT	WorkerTripNumber	0.00	12.00
tblTripsAndVMT	WorkerTripNumber	0.00	12.00
tblTripsAndVMT	WorkerTripNumber	0.00	12.00
tblTripsAndVMT	WorkerTripNumber	0.00	12.00
tblTripsAndVMT	WorkerTripNumber	0.00	12.00
tblTripsAndVMT	WorkerTripNumber	0.00	12.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Year	tons/yr										MT/yr						
2016	0.0394	0.3720	0.2300	4.0000e-004	2.1000e-003	0.0211	0.0232	5.7000e-004	0.0198	0.0204	0.0000	36.7095	36.7095	9.1200e-003	0.0000	36.9009	
Total	0.0394	0.3720	0.2300	4.0000e-004	2.1000e-003	0.0211	0.0232	5.7000e-004	0.0198	0.0204	0.0000	36.7095	36.7095	9.1200e-003	0.0000	36.9009	

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2016	0.0394	0.3720	0.2300	4.0000e-004	2.1000e-003	0.0211	0.0232	5.7000e-004	0.0198	0.0204	0.0000	36.7095	36.7095	9.1200e-003	0.0000	36.9009
Total	0.0394	0.3720	0.2300	4.0000e-004	2.1000e-003	0.0211	0.0232	5.7000e-004	0.0198	0.0204	0.0000	36.7095	36.7095	9.1200e-003	0.0000	36.9009

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Area	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005	
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Total	0.0000	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005	

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Area	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005	
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Total	0.0000	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005		

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Week 1	Building Construction	6/1/2016	6/7/2016	5	5	
2	Week 2	Building Construction	6/8/2016	6/14/2016	5	5	
3	Week 3	Building Construction	6/15/2016	6/21/2016	5	5	
4	Week 4	Building Construction	6/22/2016	6/28/2016	5	5	
5	Week 5	Building Construction	6/29/2016	7/5/2016	5	5	
6	Week 6	Building Construction	7/6/2016	7/12/2016	5	5	
7	Week 7	Building Construction	7/13/2016	7/19/2016	5	5	
8	Week 8	Building Construction	7/20/2016	7/26/2016	5	5	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Week 1	Air Compressors	1	7.50	78	0.48
Week 1	Excavators	1	7.50	84	0.38
Week 1	Off-Highway Trucks	1	7.50	400	0.38
Week 2	Air Compressors	1	7.50	78	0.48
Week 2	Excavators	1	7.50	84	0.38
Week 2	Off-Highway Trucks	1	7.50	400	0.38
Week 3	Air Compressors	1	7.50	78	0.48
Week 3	Cranes	1	5.00	185	0.29
Week 3	Excavators	1	7.50	84	0.38
Week 3	Off-Highway Trucks	1	7.50	400	0.38

Week 3	Other Construction Equipment	1	5.00	145	0.42
Week 3	Welders	1	2.50	23	0.45
Week 4	Air Compressors	1	7.50	78	0.48
Week 4	Cranes	1	5.00	185	0.29
Week 4	Excavators	1	7.50	84	0.38
Week 4	Off-Highway Trucks	1	7.50	400	0.38
Week 4	Other Construction Equipment	1	5.00	145	0.42
Week 4	Welders	1	2.50	23	0.45
Week 5	Air Compressors	1	7.50	78	0.48
Week 5	Cranes	1	5.00	185	0.29
Week 5	Excavators	1	7.50	84	0.38
Week 5	Other Construction Equipment	1	5.00	145	0.42
Week 5	Welders	1	2.50	23	0.45
Week 6	Air Compressors	1	7.50	78	0.48
Week 6	Cranes	1	5.00	185	0.29
Week 6	Excavators	1	7.50	84	0.38
Week 6	Other Construction Equipment	1	5.00	145	0.42
Week 6	Pavers	1	9.00	102	0.42
Week 6	Welders	1	2.50	23	0.45
Week 7	Air Compressors	1	7.50	78	0.48
Week 7	Cranes	1	5.00	185	0.29
Week 7	Excavators	1	7.50	84	0.38
Week 7	Other Construction Equipment	1	5.00	145	0.42
Week 7	Pavers	1	9.00	102	0.42
Week 7	Welders	1	2.50	23	0.45
Week 8	Air Compressors	1	7.50	78	0.48
Week 8	Cranes	1	5.00	185	0.29
Week 8	Excavators	1	7.50	84	0.38

Week 8	Pavers	1	9.00	102	0.42
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Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Week 1	3	12.00	3.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Week 2	3	12.00	3.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Week 3	6	12.00	3.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Week 4	6	12.00	3.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Week 5	5	12.00	3.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Week 6	6	12.00	3.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Week 7	6	12.00	3.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Week 8	4	12.00	3.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Week 1 - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.9900e-003	0.0391	0.0226	5.0000e-005		2.0300e-003	2.0300e-003		1.9100e-003	1.9100e-003	0.0000	4.3038	4.3038	1.1500e-003	0.0000	4.3279
Total	3.9900e-003	0.0391	0.0226	5.0000e-005		2.0300e-003	2.0300e-003		1.9100e-003	1.9100e-003	0.0000	4.3038	4.3038	1.1500e-003	0.0000	4.3279

3.2 Week 1 - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	1.0000e-004	6.4000e-004	1.2400e-003	0.0000	4.0000e-005	1.0000e-005	5.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.1415	0.1415	0.0000	0.0000	0.1416	
Worker	1.0000e-004	1.2000e-004	1.2600e-003	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1966	0.1966	1.0000e-005	0.0000	0.1969	
Total	2.0000e-004	7.6000e-004	2.5000e-003	0.0000	2.6000e-004	1.0000e-005	2.7000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	0.3382	0.3382	1.0000e-005	0.0000	0.3384	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Off-Road	3.9900e-003	0.0391	0.0226	5.0000e-005		2.0300e-003	2.0300e-003		1.9100e-003	1.9100e-003	0.0000	4.3038	4.3038	1.1500e-003	0.0000	4.3279	
Total	3.9900e-003	0.0391	0.0226	5.0000e-005		2.0300e-003	2.0300e-003		1.9100e-003	1.9100e-003	0.0000	4.3038	4.3038	1.1500e-003	0.0000	4.3279	

3.2 Week 1 - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	1.0000e-004	6.4000e-004	1.2400e-003	0.0000	4.0000e-005	1.0000e-005	5.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.1415	0.1415	0.0000	0.0000	0.1416	
Worker	1.0000e-004	1.2000e-004	1.2600e-003	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1966	0.1966	1.0000e-005	0.0000	0.1969	
Total	2.0000e-004	7.6000e-004	2.5000e-003	0.0000	2.6000e-004	1.0000e-005	2.7000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	0.3382	0.3382	1.0000e-005	0.0000	0.3384	

3.3 Week 2 - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.9900e-003	0.0391	0.0226	5.0000e-005		2.0300e-003	2.0300e-003		1.9100e-003	1.9100e-003	0.0000	4.3038	4.3038	1.1500e-003	0.0000	4.3279
Total	3.9900e-003	0.0391	0.0226	5.0000e-005		2.0300e-003	2.0300e-003		1.9100e-003	1.9100e-003	0.0000	4.3038	4.3038	1.1500e-003	0.0000	4.3279

3.3 Week 2 - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	1.0000e-004	6.4000e-004	1.2400e-003	0.0000	4.0000e-005	1.0000e-005	5.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.1415	0.1415	0.0000	0.0000	0.1416	
Worker	1.0000e-004	1.2000e-004	1.2600e-003	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1966	0.1966	1.0000e-005	0.0000	0.1969	
Total	2.0000e-004	7.6000e-004	2.5000e-003	0.0000	2.6000e-004	1.0000e-005	2.7000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	0.3382	0.3382	1.0000e-005	0.0000	0.3384	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.9900e-003	0.0391	0.0226	5.0000e-005		2.0300e-003	2.0300e-003		1.9100e-003	1.9100e-003	0.0000	4.3038	4.3038	1.1500e-003	0.0000	4.3279
Total	3.9900e-003	0.0391	0.0226	5.0000e-005		2.0300e-003	2.0300e-003		1.9100e-003	1.9100e-003	0.0000	4.3038	4.3038	1.1500e-003	0.0000	4.3279

3.3 Week 2 - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	1.0000e-004	6.4000e-004	1.2400e-003	0.0000	4.0000e-005	1.0000e-005	5.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.1415	0.1415	0.0000	0.0000	0.1416	
Worker	1.0000e-004	1.2000e-004	1.2600e-003	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1966	0.1966	1.0000e-005	0.0000	0.1969	
Total	2.0000e-004	7.6000e-004	2.5000e-003	0.0000	2.6000e-004	1.0000e-005	2.7000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	0.3382	0.3382	1.0000e-005	0.0000	0.3384	

3.4 Week 3 - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.9100e-003	0.0604	0.0324	6.0000e-005		3.0700e-003	3.0700e-003		2.8800e-003	2.8800e-003	0.0000	5.8248	5.8248	1.6000e-003	0.0000	5.8583
Total	5.9100e-003	0.0604	0.0324	6.0000e-005		3.0700e-003	3.0700e-003		2.8800e-003	2.8800e-003	0.0000	5.8248	5.8248	1.6000e-003	0.0000	5.8583

3.4 Week 3 - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	1.0000e-004	6.4000e-004	1.2400e-003	0.0000	4.0000e-005	1.0000e-005	5.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.1415	0.1415	0.0000	0.0000	0.1416	
Worker	1.0000e-004	1.2000e-004	1.2600e-003	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1966	0.1966	1.0000e-005	0.0000	0.1969	
Total	2.0000e-004	7.6000e-004	2.5000e-003	0.0000	2.6000e-004	1.0000e-005	2.7000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	0.3382	0.3382	1.0000e-005	0.0000	0.3384	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Off-Road	5.9100e-003	0.0604	0.0324	6.0000e-005		3.0700e-003	3.0700e-003		2.8800e-003	2.8800e-003	0.0000	5.8248	5.8248	1.6000e-003	0.0000	5.8583	
Total	5.9100e-003	0.0604	0.0324	6.0000e-005		3.0700e-003	3.0700e-003		2.8800e-003	2.8800e-003	0.0000	5.8248	5.8248	1.6000e-003	0.0000	5.8583	

3.4 Week 3 - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	1.0000e-004	6.4000e-004	1.2400e-003	0.0000	4.0000e-005	1.0000e-005	5.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.1415	0.1415	0.0000	0.0000	0.1416	
Worker	1.0000e-004	1.2000e-004	1.2600e-003	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1966	0.1966	1.0000e-005	0.0000	0.1969	
Total	2.0000e-004	7.6000e-004	2.5000e-003	0.0000	2.6000e-004	1.0000e-005	2.7000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	0.3382	0.3382	1.0000e-005	0.0000	0.3384	

3.5 Week 4 - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.9100e-003	0.0604	0.0324	6.0000e-005		3.0700e-003	3.0700e-003		2.8800e-003	2.8800e-003	0.0000	5.8248	5.8248	1.6000e-003	0.0000	5.8583
Total	5.9100e-003	0.0604	0.0324	6.0000e-005		3.0700e-003	3.0700e-003		2.8800e-003	2.8800e-003	0.0000	5.8248	5.8248	1.6000e-003	0.0000	5.8583

3.5 Week 4 - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	1.0000e-004	6.4000e-004	1.2400e-003	0.0000	4.0000e-005	1.0000e-005	5.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.1415	0.1415	0.0000	0.0000	0.1416	
Worker	1.0000e-004	1.2000e-004	1.2600e-003	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1966	0.1966	1.0000e-005	0.0000	0.1969	
Total	2.0000e-004	7.6000e-004	2.5000e-003	0.0000	2.6000e-004	1.0000e-005	2.7000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	0.3382	0.3382	1.0000e-005	0.0000	0.3384	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Off-Road	5.9100e-003	0.0604	0.0324	6.0000e-005		3.0700e-003	3.0700e-003		2.8800e-003	2.8800e-003	0.0000	5.8248	5.8248	1.6000e-003	0.0000	5.8583	
Total	5.9100e-003	0.0604	0.0324	6.0000e-005		3.0700e-003	3.0700e-003		2.8800e-003	2.8800e-003	0.0000	5.8248	5.8248	1.6000e-003	0.0000	5.8583	

3.5 Week 4 - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	1.0000e-004	6.4000e-004	1.2400e-003	0.0000	4.0000e-005	1.0000e-005	5.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.1415	0.1415	0.0000	0.0000	0.1416	
Worker	1.0000e-004	1.2000e-004	1.2600e-003	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1966	0.1966	1.0000e-005	0.0000	0.1969	
Total	2.0000e-004	7.6000e-004	2.5000e-003	0.0000	2.6000e-004	1.0000e-005	2.7000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	0.3382	0.3382	1.0000e-005	0.0000	0.3384	

3.6 Week 5 - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Off-Road	3.7000e-003	0.0350	0.0205	3.0000e-005		2.1100e-003	2.1100e-003		2.0000e-003	2.0000e-003	0.0000	2.9186	2.9186	7.2000e-004	0.0000	2.9337	
Total	3.7000e-003	0.0350	0.0205	3.0000e-005		2.1100e-003	2.1100e-003		2.0000e-003	2.0000e-003	0.0000	2.9186	2.9186	7.2000e-004	0.0000	2.9337	

3.6 Week 5 - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	1.0000e-004	6.4000e-004	1.2400e-003	0.0000	4.0000e-005	1.0000e-005	5.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.1415	0.1415	0.0000	0.0000	0.1416	
Worker	1.0000e-004	1.2000e-004	1.2600e-003	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1966	0.1966	1.0000e-005	0.0000	0.1969	
Total	2.0000e-004	7.6000e-004	2.5000e-003	0.0000	2.6000e-004	1.0000e-005	2.7000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	0.3382	0.3382	1.0000e-005	0.0000	0.3384	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Off-Road	3.7000e-003	0.0350	0.0205	3.0000e-005		2.1100e-003	2.1100e-003		2.0000e-003	2.0000e-003	0.0000	2.9186	2.9186	7.2000e-004	0.0000	2.9337	
Total	3.7000e-003	0.0350	0.0205	3.0000e-005		2.1100e-003	2.1100e-003		2.0000e-003	2.0000e-003	0.0000	2.9186	2.9186	7.2000e-004	0.0000	2.9337	

3.6 Week 5 - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	1.0000e-004	6.4000e-004	1.2400e-003	0.0000	4.0000e-005	1.0000e-005	5.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.1415	0.1415	0.0000	0.0000	0.1416	
Worker	1.0000e-004	1.2000e-004	1.2600e-003	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1966	0.1966	1.0000e-005	0.0000	0.1969	
Total	2.0000e-004	7.6000e-004	2.5000e-003	0.0000	2.6000e-004	1.0000e-005	2.7000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	0.3382	0.3382	1.0000e-005	0.0000	0.3384	

3.7 Week 6 - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.0800e-003	0.0475	0.0286	4.0000e-005		3.0800e-003	3.0800e-003		2.8900e-003	2.8900e-003	0.0000	3.8898	3.8898	1.0100e-003	0.0000	3.9111
Total	5.0800e-003	0.0475	0.0286	4.0000e-005		3.0800e-003	3.0800e-003		2.8900e-003	2.8900e-003	0.0000	3.8898	3.8898	1.0100e-003	0.0000	3.9111

3.7 Week 6 - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	1.0000e-004	6.4000e-004	1.2400e-003	0.0000	4.0000e-005	1.0000e-005	5.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.1415	0.1415	0.0000	0.0000	0.1416	
Worker	1.0000e-004	1.2000e-004	1.2600e-003	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1966	0.1966	1.0000e-005	0.0000	0.1969	
Total	2.0000e-004	7.6000e-004	2.5000e-003	0.0000	2.6000e-004	1.0000e-005	2.7000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	0.3382	0.3382	1.0000e-005	0.0000	0.3384	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Off-Road	5.0800e-003	0.0475	0.0286	4.0000e-005		3.0800e-003	3.0800e-003		2.8900e-003	2.8900e-003	0.0000	3.8898	3.8898	1.0100e-003	0.0000	3.9111	
Total	5.0800e-003	0.0475	0.0286	4.0000e-005		3.0800e-003	3.0800e-003		2.8900e-003	2.8900e-003	0.0000	3.8898	3.8898	1.0100e-003	0.0000	3.9111	

3.7 Week 6 - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	1.0000e-004	6.4000e-004	1.2400e-003	0.0000	4.0000e-005	1.0000e-005	5.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.1415	0.1415	0.0000	0.0000	0.1416	
Worker	1.0000e-004	1.2000e-004	1.2600e-003	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1966	0.1966	1.0000e-005	0.0000	0.1969	
Total	2.0000e-004	7.6000e-004	2.5000e-003	0.0000	2.6000e-004	1.0000e-005	2.7000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	0.3382	0.3382	1.0000e-005	0.0000	0.3384	

3.8 Week 7 - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.0800e-003	0.0475	0.0286	4.0000e-005		3.0800e-003	3.0800e-003		2.8900e-003	2.8900e-003	0.0000	3.8898	3.8898	1.0100e-003	0.0000	3.9111
Total	5.0800e-003	0.0475	0.0286	4.0000e-005		3.0800e-003	3.0800e-003		2.8900e-003	2.8900e-003	0.0000	3.8898	3.8898	1.0100e-003	0.0000	3.9111

3.8 Week 7 - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	1.0000e-004	6.4000e-004	1.2400e-003	0.0000	4.0000e-005	1.0000e-005	5.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.1415	0.1415	0.0000	0.0000	0.1416	
Worker	1.0000e-004	1.2000e-004	1.2600e-003	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1966	0.1966	1.0000e-005	0.0000	0.1969	
Total	2.0000e-004	7.6000e-004	2.5000e-003	0.0000	2.6000e-004	1.0000e-005	2.7000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	0.3382	0.3382	1.0000e-005	0.0000	0.3384	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Off-Road	5.0800e-003	0.0475	0.0286	4.0000e-005		3.0800e-003	3.0800e-003		2.8900e-003	2.8900e-003	0.0000	3.8898	3.8898	1.0100e-003	0.0000	3.9111	
Total	5.0800e-003	0.0475	0.0286	4.0000e-005		3.0800e-003	3.0800e-003		2.8900e-003	2.8900e-003	0.0000	3.8898	3.8898	1.0100e-003	0.0000	3.9111	

3.8 Week 7 - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	1.0000e-004	6.4000e-004	1.2400e-003	0.0000	4.0000e-005	1.0000e-005	5.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.1415	0.1415	0.0000	0.0000	0.1416	
Worker	1.0000e-004	1.2000e-004	1.2600e-003	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1966	0.1966	1.0000e-005	0.0000	0.1969	
Total	2.0000e-004	7.6000e-004	2.5000e-003	0.0000	2.6000e-004	1.0000e-005	2.7000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	0.3382	0.3382	1.0000e-005	0.0000	0.3384	

3.9 Week 8 - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.0800e-003	0.0371	0.0225	3.0000e-005		2.5300e-003	2.5300e-003		2.3800e-003	2.3800e-003	0.0000	3.0490	3.0490	7.7000e-004	0.0000	3.0652
Total	4.0800e-003	0.0371	0.0225	3.0000e-005		2.5300e-003	2.5300e-003		2.3800e-003	2.3800e-003	0.0000	3.0490	3.0490	7.7000e-004	0.0000	3.0652

3.9 Week 8 - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	1.0000e-004	6.4000e-004	1.2400e-003	0.0000	4.0000e-005	1.0000e-005	5.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.1415	0.1415	0.0000	0.0000	0.1416	
Worker	1.0000e-004	1.2000e-004	1.2600e-003	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1966	0.1966	1.0000e-005	0.0000	0.1969	
Total	2.0000e-004	7.6000e-004	2.5000e-003	0.0000	2.6000e-004	1.0000e-005	2.7000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	0.3382	0.3382	1.0000e-005	0.0000	0.3384	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Off-Road	4.0800e-003	0.0371	0.0225	3.0000e-005		2.5300e-003	2.5300e-003		2.3800e-003	2.3800e-003	0.0000	3.0490	3.0490	7.7000e-004	0.0000	3.0652	
Total	4.0800e-003	0.0371	0.0225	3.0000e-005		2.5300e-003	2.5300e-003		2.3800e-003	2.3800e-003	0.0000	3.0490	3.0490	7.7000e-004	0.0000	3.0652	

3.9 Week 8 - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	1.0000e-004	6.4000e-004	1.2400e-003	0.0000	4.0000e-005	1.0000e-005	5.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.1415	0.1415	0.0000	0.0000	0.1416	
Worker	1.0000e-004	1.2000e-004	1.2600e-003	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1966	0.1966	1.0000e-005	0.0000	0.1969	
Total	2.0000e-004	7.6000e-004	2.5000e-003	0.0000	2.6000e-004	1.0000e-005	2.7000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	0.3382	0.3382	1.0000e-005	0.0000	0.3384	

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.504217	0.068068	0.177511	0.150009	0.045572	0.006451	0.019525	0.014983	0.002306	0.002359	0.006212	0.000585	0.002203

5.0 Energy Detail

5.1 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

5.2 Energy by Land Use - NaturalGas

Unmitigated

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	tons/yr											MT/yr					
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Total		0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005
Unmitigated	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005	
Total	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005	

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005	
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005	

7.0 Water Detail

7.1 Mitigation Measures Water

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

7.2 Water by Land Use

Unmitigated

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Mitigated

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

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

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

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