

**APPENDIX D**  
**AIR QUALITY/GREENHOUSE GAS ASSESSMENT**

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Full Project Greka Site																
Mitigated Construction																
On-site	tons/year															
Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
2014	0.0575	0.6609	0.2973	8.00E-04	0.24539	0.0307	0.27609	0.01004	0.0292	0.03924	0	81.03	81.03	8.55E-03	0	81.21
2015	0.0709	0.795	0.381	1.04E-03	2.45E-01	0.377	0.62239	1.00E-02	0.0358	0.04584	0	105.31	105.31	0.0109	0	105.54
Mitigated Construction Off-Site																
Category	tons/year															
2014 Hauling	3.30E-04	2.90E-03	4.30E-03	0.00E+00	0.04	5.00E-05	0.04005	4.02E-03	4.00E-05	0.00406	0	0.4601	0.4601	0.00E+00	0	0.4602
2014 Worker	2.45E-03	4.07E-03	0.0351	4.00E-05	3.4917	4.00E-05	3.49174	3.488	3.00E-05	3.48803	0	0.3441	2.50E-04	0.00E+00	0	3.4462
2014 Total	0.00278	0.00697	0.0394	0.00004	3.5317	0.00009	3.53179	3.49202	0.00007	3.49209	0	0.8042	0.46035	0	0	3.9064
2015 Hauling	3.70E-04	3.36E-03	5.09E-03	1.00E-05	0.04	5.00E-05	0.04	4.02E-03	4.00E-05	4.10E-03	0	0.59	0.59	1.00E-05	0	0.59
2015 Worker	2.80E-03	4.60E-03	0.04	6.00E-05	4.5498	4.00E-05	4.5498	0.4545	4.00E-05	0.4545	0	4.354	4.35E+00	3.00E-04	0	4.3602
2015 Total	0.00317	0.00796	0.04509	0.00007	4.5898	0.00009	4.5898	0.45852	0.00008	0.4586	0	4.9457	4.9457	0.00031	0	4.952

Full Project Granite Site																
Mitigated Construction																
On-Site	tons/year															
Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
2014	0.0575	0.6609	0.2973	8.00E-04	0.24539	0.0307	0.27609	0.01004	0.0292	0.03924	0	81.03	81.03	8.55E-03	0	81.21
2015	0.0709	0.795	0.381	1.04E-03	2.45E-01	0.377	0.62239	1.00E-02	0.0358	0.04584	0	105.31	105.31	0.0109	0	105.54
Total																
Mitigated Construction Off-Site																
Category	tons/year															
2014 Hauling	6.90E-04	1.16E-02	7.50E-03	2.00E-05	0.1731	2.00E-04	0.1733	1.74E-02	1.90E-04	0.0176	0	1.9184	1.9184	2.00E-05	0	1.9187
2014 Worker	2.45E-03	4.07E-03	0.0351	4.00E-05	3.4917	4.00E-05	3.49174	3.488	3.00E-05	3.48803	0	0.3441	2.50E-04	0.00E+00	0	3.4462
2014 Total	0.00314	0.01567	0.0426	0.00006	3.6648	0.00024	3.66504	3.5054	0.00022	3.50563	0	2.2625	1.91865	0.00002	0	5.3649
2015 Hauling	7.70E-04	1.31E-02	8.80E-03	3.00E-05	0.1731	1.90E-04	0.1733	1.74E-02	1.80E-04	1.76E-02	0	2.47	2.47	2.00E-05	0	2.47
2015 Worker	2.80E-03	4.60E-03	0.04	6.00E-05	4.5498	4.00E-05	4.5498	0.4545	4.00E-05	0.4545	0	4.354	4.35E+00	3.00E-04	0	4.3602
2015 Total	0.00357	0.0177	0.0488	0.00009	4.7229	0.00023	4.7231	0.4719	0.00022	0.4721	0	6.8217	6.8217	0.00032	0	6.8283

Partial Project Greka Site																
Mitigated Construction																
On-Site	tons/year															
Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
2014	0.0575	0.6609	0.2973	8.00E-04	0.12036	0.0307	0.15106	0.00464	0.0292	0.03384	0	81.03	81.03	8.55E-03	0	81.21
Mitigated Construction Off-Site																
Category	tons/year															
Hauling	4.30E-04	3.85E-03	5.58E-03	1.00E-05	2.26E-02	6.00E-05	2.27E-01	2.28E-03	6.00E-05	2.33E-03	0.00E+00	0.5981	5.98E-01	1.00E-05	0	0.5983
Worker	2.45E-03	4.07E-03	0.0351	4.00E-05	3.4917	4.00E-05	3.4917	0.3488	3.00E-05	3488	0	3.441	3.441	2.50E-04	0	3.4462
Total	2.88E-03	7.92E-03	4.07E-02	5.00E-05	3.51E+00	1.00E-04	3.72E+00	3.51E-01	9.00E-05	3.49E+03	0.00E+00	4.04E+00	4.04E+00	2.60E-04	#####	4.04E+00

Partial Project Granite Site																
Mitigated Construction																
On-Site	tons/year															
Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
2014	0.0575	0.6609	0.2973	8.00E-04	0.12036	0.0307	0.15106	0.00464	0.0292	0.03384	0	81.03	81.03	8.55E-03	0	81.21
Mitigated Construction Off-Site																
Category	tons/year															
Hauling	8.90E-04	0.0151	9.74E-03	3.00E-05	0.0978	2.70E-04	0.0981	9.86E-03	2.40E-04	0.0101	0	2.494	2.494	2.00E-05	0	2.4945
Worker	2.45E-03	4.07E-03	0.0351	4.00E-05	3.4917	4.00E-05	3.4917	0.3488	3.00E-05	3488	0	3.441	3.441	2.50E-04	0	3.4462
Total	3.34E-03	1.92E-02	4.48E-02	7.00E-05	3.59E+00	3.10E-04	3.59E+00	3.59E-01	2.70E-04	3.49E+03	0E+00	5.94E+00	5.94E+00	2.70E-04	#####	5.94E+00

**Guadalupe Dunes Partial Granite Site**  
**Santa Barbara-South of Santa Ynez Range County, Summer**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	18.80	Acre	18.80	818,928.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.7	<b>Precipitation Freq (Days)</b>	37
<b>Climate Zone</b>	4			<b>Operational Year</b>	2015
<b>Utility Company</b>					
<b>CO2 Intensity (lb/MW hr)</b>	0	<b>CH4 Intensity (lb/MW hr)</b>	0	<b>N2O Intensity (lb/MW hr)</b>	0

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

- Project Characteristics -
- Land Use - - calculated from project description
- Construction Phase - -
- Off-road Equipment - - no coating
- Off-road Equipment - -
- Trips and VMT - -
- On-road Fugitive Dust - - General assumption of paved roads
- Demolition -
- Grading - -
- Architectural Coating -
- Construction Off-road Equipment Mitigation -
- Vehicle Trips -
- Vehicle Emission Factors -
- Vehicle Emission Factors -
- Vehicle Emission Factors -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Interior	1228392	0
tblConstructionPhase	NumDays	30.00	152.00
tblGrading	MaterialExported	0.00	1,550.00
tblOffRoadEquipment	HorsePower	84.00	255.00
tblOffRoadEquipment	LoadFactor	0.74	0.40
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	PhaseName		Grading
tblOnRoadDust	HaulingPercentPave	100.00	90.00
tblOnRoadDust	VendorPercentPave	100.00	50.00
tblOnRoadDust	WorkerPercentPave	100.00	50.00
tblProjectCharacteristics	OperationalYear	2014	2015
tblTripsAndVMT	HaulingTripLength	20.00	9.70
tblTripsAndVMT	HaulingTripNumber	0.00	62.00
tblTripsAndVMT	WorkerTripNumber	10.00	13.00

## 2.0 Emissions Summary

### 2.1 Overall Construction (Maximum Daily Emission)

#### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2014	1.8215	20.2251	10.1455	0.0257	119.0969	0.9318	120.0286	11.8971	0.8871	12.7842	0.0000	2,839.7206	2,839.7206	0.2942	0.0000	2,845.8986
2015	1.7190	18.6610	9.8618	0.0257	118.7837	0.8776	119.6613	11.8656	0.8344	12.7000	0.0000	2,828.9691	2,828.9691	0.2860	0.0000	2,834.9752
<b>Total</b>	<b>3.5405</b>	<b>38.8861</b>	<b>20.0073</b>	<b>0.0514</b>	<b>237.8806</b>	<b>1.8093</b>	<b>239.6899</b>	<b>23.7627</b>	<b>1.7215</b>	<b>25.4842</b>	<b>0.0000</b>	<b>5,668.6897</b>	<b>5,668.6897</b>	<b>0.5802</b>	<b>0.0000</b>	<b>5,680.8738</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2014	1.8215	20.2251	10.1455	0.0257	119.0907	0.9318	120.0224	11.8963	0.8871	12.7835	0.0000	2,839.7206	2,839.7206	0.2942	0.0000	2,845.8986
2015	1.7190	18.6610	9.8618	0.0257	118.7775	0.8776	119.6551	11.8649	0.8344	12.6993	0.0000	2,828.9691	2,828.9691	0.2860	0.0000	2,834.9752
<b>Total</b>	<b>3.5405</b>	<b>38.8861</b>	<b>20.0073</b>	<b>0.0514</b>	<b>237.8682</b>	<b>1.8093</b>	<b>239.6775</b>	<b>23.7613</b>	<b>1.7215</b>	<b>25.4828</b>	<b>0.0000</b>	<b>5,668.6897</b>	<b>5,668.6897</b>	<b>0.5802</b>	<b>0.0000</b>	<b>5,680.8738</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

**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	18.8252	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.1100e-003	4.1100e-003	1.0000e-005		4.3600e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.1138	0.2135	1.0181	1.3800e-003	0.1009	2.4800e-003	0.1034	0.0270	2.2800e-003	0.0293		123.6762	123.6762	7.0800e-003		123.8248
<b>Total</b>	<b>18.9390</b>	<b>0.2135</b>	<b>1.0201</b>	<b>1.3800e-003</b>	<b>0.1009</b>	<b>2.4900e-003</b>	<b>0.1034</b>	<b>0.0270</b>	<b>2.2900e-003</b>	<b>0.0293</b>		<b>123.6803</b>	<b>123.6803</b>	<b>7.0900e-003</b>	<b>0.0000</b>	<b>123.8291</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	18.8252	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.1100e-003	4.1100e-003	1.0000e-005		4.3600e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.1138	0.2135	1.0181	1.3800e-003	0.1009	2.4800e-003	0.1034	0.0270	2.2800e-003	0.0293		123.6762	123.6762	7.0800e-003		123.8248
<b>Total</b>	<b>18.9390</b>	<b>0.2135</b>	<b>1.0201</b>	<b>1.3800e-003</b>	<b>0.1009</b>	<b>2.4900e-003</b>	<b>0.1034</b>	<b>0.0270</b>	<b>2.2900e-003</b>	<b>0.0293</b>		<b>123.6803</b>	<b>123.6803</b>	<b>7.0900e-003</b>	<b>0.0000</b>	<b>123.8291</b>

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	10/1/2014	4/30/2015	5	152	

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

**Acres of Grading (Grading Phase): 1.4**

**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
Grading	Generator Sets	2	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	4	13.00	0.00	62.00	12.30	4.60	9.70	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Grading - 2014**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0113	0.0000	0.0113	1.2800e-003	0.0000	1.2800e-003			0.0000			0.0000
Off-Road	1.7408	20.0286	9.0080	0.0242		0.9292	0.9292		0.8848	0.8848		2,706.8382	2,706.8382	0.2856		2,712.8361
<b>Total</b>	<b>1.7408</b>	<b>20.0286</b>	<b>9.0080</b>	<b>0.0242</b>	<b>0.0113</b>	<b>0.9292</b>	<b>0.9405</b>	<b>1.2800e-003</b>	<b>0.8848</b>	<b>0.8861</b>		<b>2,706.8382</b>	<b>2,706.8382</b>	<b>0.2856</b>		<b>2,712.8361</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	8.8800e-003	0.0866	0.1102	1.5000e-004	1.3473	1.4700e-003	1.3488	0.1354	1.3500e-003	0.1368		15.3984	15.3984	1.5000e-004		15.4016
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0718	0.1099	1.0273	1.3200e-003	117.7382	1.0800e-003	117.7393	11.7603	9.7000e-004	11.7613		117.4841	117.4841	8.4200e-003		117.6609
<b>Total</b>	<b>0.0806</b>	<b>0.1965</b>	<b>1.1374</b>	<b>1.4700e-003</b>	<b>119.0856</b>	<b>2.5500e-003</b>	<b>119.0881</b>	<b>11.8958</b>	<b>2.3200e-003</b>	<b>11.8981</b>		<b>132.8825</b>	<b>132.8825</b>	<b>8.5700e-003</b>		<b>133.0625</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.0700e-003	0.0000	5.0700e-003	5.8000e-004	0.0000	5.8000e-004			0.0000			0.0000
Off-Road	1.7408	20.0286	9.0080	0.0242		0.9292	0.9292		0.8848	0.8848	0.0000	2,706.8382	2,706.8382	0.2856		2,712.8361
<b>Total</b>	<b>1.7408</b>	<b>20.0286</b>	<b>9.0080</b>	<b>0.0242</b>	<b>5.0700e-003</b>	<b>0.9292</b>	<b>0.9343</b>	<b>5.8000e-004</b>	<b>0.8848</b>	<b>0.8854</b>	<b>0.0000</b>	<b>2,706.8382</b>	<b>2,706.8382</b>	<b>0.2856</b>		<b>2,712.8361</b>



**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	8.8800e-003	0.0866	0.1102	1.5000e-004	1.3473	1.4700e-003	1.3488	0.1354	1.3500e-003	0.1368		15.3984	15.3984	1.5000e-004		15.4016
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0718	0.1099	1.0273	1.3200e-003	117.7382	1.0800e-003	117.7393	11.7603	9.7000e-004	11.7613		117.4841	117.4841	8.4200e-003		117.6609
<b>Total</b>	<b>0.0806</b>	<b>0.1965</b>	<b>1.1374</b>	<b>1.4700e-003</b>	<b>119.0856</b>	<b>2.5500e-003</b>	<b>119.0881</b>	<b>11.8958</b>	<b>2.3200e-003</b>	<b>11.8981</b>		<b>132.8825</b>	<b>132.8825</b>	<b>8.5700e-003</b>		<b>133.0625</b>

**3.2 Grading - 2015**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0113	0.0000	0.0113	1.2800e-003	0.0000	1.2800e-003			0.0000			0.0000
Off-Road	1.6490	18.4892	8.8593	0.0242		0.8755	0.8755		0.8325	0.8325		2,699.6833	2,699.6833	0.2783		2,705.5274
<b>Total</b>	<b>1.6490</b>	<b>18.4892</b>	<b>8.8593</b>	<b>0.0242</b>	<b>0.0113</b>	<b>0.8755</b>	<b>0.8868</b>	<b>1.2800e-003</b>	<b>0.8325</b>	<b>0.8338</b>		<b>2,699.6833</b>	<b>2,699.6833</b>	<b>0.2783</b>		<b>2,705.5274</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	7.5900e-003	0.0755	0.0989	1.5000e-004	1.0342	1.0800e-003	1.0353	0.1040	9.9000e-004	0.1050		15.1984	15.1984	1.3000e-004		15.2012
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0624	0.0962	0.9035	1.3200e-003	117.7382	1.0000e-003	117.7392	11.7603	9.0000e-004	11.7612		114.0874	114.0874	7.5800e-003		114.2466
<b>Total</b>	<b>0.0700</b>	<b>0.1717</b>	<b>1.0024</b>	<b>1.4700e-003</b>	<b>118.7724</b>	<b>2.0800e-003</b>	<b>118.7745</b>	<b>11.8643</b>	<b>1.8900e-003</b>	<b>11.8662</b>		<b>129.2858</b>	<b>129.2858</b>	<b>7.7100e-003</b>		<b>129.4478</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.0700e-003	0.0000	5.0700e-003	5.8000e-004	0.0000	5.8000e-004			0.0000			0.0000
Off-Road	1.6490	18.4892	8.8593	0.0242		0.8755	0.8755		0.8325	0.8325	0.0000	2,699.6833	2,699.6833	0.2783		2,705.5274
<b>Total</b>	<b>1.6490</b>	<b>18.4892</b>	<b>8.8593</b>	<b>0.0242</b>	<b>5.0700e-003</b>	<b>0.8755</b>	<b>0.8806</b>	<b>5.8000e-004</b>	<b>0.8325</b>	<b>0.8331</b>	<b>0.0000</b>	<b>2,699.6833</b>	<b>2,699.6833</b>	<b>0.2783</b>		<b>2,705.5274</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	7.5900e-003	0.0755	0.0989	1.5000e-004	1.0342	1.0800e-003	1.0353	0.1040	9.9000e-004	0.1050		15.1984	15.1984	1.3000e-004		15.2012
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0624	0.0962	0.9035	1.3200e-003	117.7382	1.0000e-003	117.7392	11.7603	9.0000e-004	11.7612		114.0874	114.0874	7.5800e-003		114.2466
<b>Total</b>	<b>0.0700</b>	<b>0.1717</b>	<b>1.0024</b>	<b>1.4700e-003</b>	<b>118.7724</b>	<b>2.0800e-003</b>	<b>118.7745</b>	<b>11.8643</b>	<b>1.8900e-003</b>	<b>11.8662</b>		<b>129.2858</b>	<b>129.2858</b>	<b>7.7100e-003</b>		<b>129.4478</b>

**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	0.1138	0.2135	1.0181	1.3800e-003	0.1009	2.4800e-003	0.1034	0.0270	2.2800e-003	0.0293		123.6762	123.6762	7.0800e-003		123.8248
Unmitigated	0.1138	0.2135	1.0181	1.3800e-003	0.1009	2.4800e-003	0.1034	0.0270	2.2800e-003	0.0293		123.6762	123.6762	7.0800e-003		123.8248

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	29.89	29.89	29.89	47,611	47,611
Total	29.89	29.89	29.89	47,611	47,611

### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	8.80	4.60	4.60	33.00	48.00	19.00	66	28	6

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.488581	0.036221	0.211775	0.155813	0.050113	0.007529	0.019404	0.013627	0.001902	0.002205	0.008084	0.001620	0.003129

### 5.0 Energy Detail

#### 4.4 Fleet Mix

Historical Energy Use: N

#### 5.1 Mitigation Measures Energy

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

**Unmitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

## 6.0 Area Detail

### 6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	18.8252	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.1100e-003	4.1100e-003	1.0000e-005		4.3600e-003
Unmitigated	18.8252	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.1100e-003	4.1100e-003	1.0000e-005		4.3600e-003

### 6.2 Area by SubCategory

#### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Consumer Products	17.5251					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0000e-004	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.1100e-003	4.1100e-003	1.0000e-005		4.3600e-003
Architectural Coating	1.2999					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>18.8252</b>	<b>2.0000e-005</b>	<b>1.9900e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>4.1100e-003</b>	<b>4.1100e-003</b>	<b>1.0000e-005</b>		<b>4.3600e-003</b>

**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	17.5251					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0000e-004	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.1100e-003	4.1100e-003	1.0000e-005		4.3600e-003
Architectural Coating	1.2999					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>18.8252</b>	<b>2.0000e-005</b>	<b>1.9900e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>4.1100e-003</b>	<b>4.1100e-003</b>	<b>1.0000e-005</b>		<b>4.3600e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**Guadalupe Dunes Full Greka Site**  
**Santa Barbara-South of Santa Ynez Range County, Annual**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	18.80	Acre	18.80	818,928.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.7	<b>Precipitation Freq (Days)</b>	37
<b>Climate Zone</b>	4			<b>Operational Year</b>	2015
<b>Utility Company</b>					
<b>CO2 Intensity (lb/MWhr)</b>	0	<b>CH4 Intensity (lb/MWhr)</b>	0	<b>N2O Intensity (lb/MWhr)</b>	0

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



Project Characteristics -

Land Use - - calculated from project description

Construction Phase - -

Off-road Equipment - - no coating

Off-road Equipment - -

Trips and VMT - -

On-road Fugitive Dust - - General assumption of paved roads

Demolition -

Grading - -

Architectural Coating -

Vehicle Trips -

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Interior	1228392	0
tblConstructionPhase	NumDays	30.00	152.00
tblGrading	MaterialExported	0.00	1,550.00
tblOffRoadEquipment	HorsePower	84.00	255.00
tblOffRoadEquipment	LoadFactor	0.74	0.40
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	PhaseName		Grading
tblOnRoadDust	HaulingPercentPave	100.00	90.00
tblOnRoadDust	VendorPercentPave	100.00	50.00
tblOnRoadDust	WorkerPercentPave	100.00	50.00
tblProjectCharacteristics	OperationalYear	2014	2015
tblTripsAndVMT	HaulingTripLength	20.00	9.70
tblTripsAndVMT	HaulingTripNumber	0.00	62.00
tblTripsAndVMT	WorkerTripNumber	10.00	13.00

## 2.0 Emissions Summary

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**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.4356	0.0000	1.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.4000e-004	3.4000e-004	0.0000	0.0000	3.6000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0216	0.0415	0.2025	2.5000e-004	0.0180	4.5000e-004	0.0184	4.8100e-003	4.2000e-004	5.2300e-003	0.0000	20.0584	20.0584	1.1700e-003	0.0000	20.0829
Waste						0.0000	0.0000		0.0000	0.0000	0.3289	0.0000	0.3289	0.0194	0.0000	0.7370
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>3.4572</b>	<b>0.0415</b>	<b>0.2027</b>	<b>2.5000e-004</b>	<b>0.0180</b>	<b>4.5000e-004</b>	<b>0.0184</b>	<b>4.8100e-003</b>	<b>4.2000e-004</b>	<b>5.2300e-003</b>	<b>0.3289</b>	<b>20.0587</b>	<b>20.3875</b>	<b>0.0206</b>	<b>0.0000</b>	<b>20.8202</b>

## 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	3.4356	0.0000	1.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.4000e-004	3.4000e-004	0.0000	0.0000	3.6000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0216	0.0415	0.2025	2.5000e-004	0.0180	4.5000e-004	0.0184	4.8100e-003	4.2000e-004	5.2300e-003	0.0000	20.0584	20.0584	1.1700e-003	0.0000	20.0829
Waste						0.0000	0.0000		0.0000	0.0000	0.3289	0.0000	0.3289	0.0194	0.0000	0.7370
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>3.4572</b>	<b>0.0415</b>	<b>0.2027</b>	<b>2.5000e-004</b>	<b>0.0180</b>	<b>4.5000e-004</b>	<b>0.0184</b>	<b>4.8100e-003</b>	<b>4.2000e-004</b>	<b>5.2300e-003</b>	<b>0.3289</b>	<b>20.0587</b>	<b>20.3875</b>	<b>0.0206</b>	<b>0.0000</b>	<b>20.8202</b>

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

## 3.0 Construction Detail

### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	10/1/2014	4/30/2015	5	152	

Acres of Grading (Site Preparation Phase): 0

**Acres of Grading (Grading Phase): 1.4**

**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
Grading	Generator Sets	2	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	4	13.00	0.00	62.00	12.30	4.60	9.70	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Grading - 2014****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.6000e-004	0.0000	8.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0575	0.6609	0.2973	8.0000e-004		0.0307	0.0307		0.0292	0.0292	0.0000	81.0349	81.0349	8.5500e-003	0.0000	81.2144
<b>Total</b>	<b>0.0575</b>	<b>0.6609</b>	<b>0.2973</b>	<b>8.0000e-004</b>	<b>8.6000e-004</b>	<b>0.0307</b>	<b>0.0315</b>	<b>1.0000e-004</b>	<b>0.0292</b>	<b>0.0293</b>	<b>0.0000</b>	<b>81.0349</b>	<b>81.0349</b>	<b>8.5500e-003</b>	<b>0.0000</b>	<b>81.2144</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.3000e-004	2.9600e-003	4.2900e-003	0.0000	0.0400	5.0000e-005	0.0400	4.0200e-003	4.0000e-005	4.0700e-003	0.0000	0.4601	0.4601	0.0000	0.0000	0.4602
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4500e-003	4.0700e-003	0.0351	4.0000e-005	3.4917	4.0000e-005	3.4917	0.3488	3.0000e-005	0.3488	0.0000	3.4410	3.4410	2.5000e-004	0.0000	3.4462
<b>Total</b>	<b>2.7800e-003</b>	<b>7.0300e-003</b>	<b>0.0394</b>	<b>4.0000e-005</b>	<b>3.5317</b>	<b>9.0000e-005</b>	<b>3.5317</b>	<b>0.3528</b>	<b>7.0000e-005</b>	<b>0.3529</b>	<b>0.0000</b>	<b>3.9010</b>	<b>3.9010</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>3.9064</b>

### 3.2 Grading - 2014

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.9000e-004	0.0000	3.9000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0575	0.6609	0.2973	8.0000e-004		0.0307	0.0307		0.0292	0.0292	0.0000	81.0348	81.0348	8.5500e-003	0.0000	81.2143
<b>Total</b>	<b>0.0575</b>	<b>0.6609</b>	<b>0.2973</b>	<b>8.0000e-004</b>	<b>3.9000e-004</b>	<b>0.0307</b>	<b>0.0311</b>	<b>4.0000e-005</b>	<b>0.0292</b>	<b>0.0292</b>	<b>0.0000</b>	<b>81.0348</b>	<b>81.0348</b>	<b>8.5500e-003</b>	<b>0.0000</b>	<b>81.2143</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.3000e-004	2.9600e-003	4.2900e-003	0.0000	0.0400	5.0000e-005	0.0400	4.0200e-003	4.0000e-005	4.0700e-003	0.0000	0.4601	0.4601	0.0000	0.0000	0.4602
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4500e-003	4.0700e-003	0.0351	4.0000e-005	3.4917	4.0000e-005	3.4917	0.3488	3.0000e-005	0.3488	0.0000	3.4410	3.4410	2.5000e-004	0.0000	3.4462
<b>Total</b>	<b>2.7800e-003</b>	<b>7.0300e-003</b>	<b>0.0394</b>	<b>4.0000e-005</b>	<b>3.5317</b>	<b>9.0000e-005</b>	<b>3.5317</b>	<b>0.3528</b>	<b>7.0000e-005</b>	<b>0.3529</b>	<b>0.0000</b>	<b>3.9010</b>	<b>3.9010</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>3.9064</b>



**3.2 Grading - 2015****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.6000e-004	0.0000	8.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0709	0.7950	0.3810	1.0400e-003		0.0377	0.0377		0.0358	0.0358	0.0000	105.3118	105.3118	0.0109	0.0000	105.5398
<b>Total</b>	<b>0.0709</b>	<b>0.7950</b>	<b>0.3810</b>	<b>1.0400e-003</b>	<b>8.6000e-004</b>	<b>0.0377</b>	<b>0.0385</b>	<b>1.0000e-004</b>	<b>0.0358</b>	<b>0.0359</b>	<b>0.0000</b>	<b>105.3118</b>	<b>105.3118</b>	<b>0.0109</b>	<b>0.0000</b>	<b>105.5398</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.7000e-004	3.3600e-003	5.0900e-003	1.0000e-005	0.0400	5.0000e-005	0.0400	4.0200e-003	4.0000e-005	4.0700e-003	0.0000	0.5917	0.5917	1.0000e-005	0.0000	0.5918
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7700e-003	4.6400e-003	0.0400	6.0000e-005	4.5498	4.0000e-005	4.5498	0.4545	4.0000e-005	0.4545	0.0000	4.3540	4.3540	3.0000e-004	0.0000	4.3602
<b>Total</b>	<b>3.1400e-003</b>	<b>8.0000e-003</b>	<b>0.0451</b>	<b>7.0000e-005</b>	<b>4.5898</b>	<b>9.0000e-005</b>	<b>4.5899</b>	<b>0.4585</b>	<b>8.0000e-005</b>	<b>0.4586</b>	<b>0.0000</b>	<b>4.9457</b>	<b>4.9457</b>	<b>3.1000e-004</b>	<b>0.0000</b>	<b>4.9520</b>

### 3.2 Grading - 2015

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.9000e-004	0.0000	3.9000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0709	0.7950	0.3810	1.0400e-003		0.0377	0.0377		0.0358	0.0358	0.0000	105.3117	105.3117	0.0109	0.0000	105.5396
<b>Total</b>	<b>0.0709</b>	<b>0.7950</b>	<b>0.3810</b>	<b>1.0400e-003</b>	<b>3.9000e-004</b>	<b>0.0377</b>	<b>0.0380</b>	<b>4.0000e-005</b>	<b>0.0358</b>	<b>0.0358</b>	<b>0.0000</b>	<b>105.3117</b>	<b>105.3117</b>	<b>0.0109</b>	<b>0.0000</b>	<b>105.5396</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.7000e-004	3.3600e-003	5.0900e-003	1.0000e-005	0.0400	5.0000e-005	0.0400	4.0200e-003	4.0000e-005	4.0700e-003	0.0000	0.5917	0.5917	1.0000e-005	0.0000	0.5918
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7700e-003	4.6400e-003	0.0400	6.0000e-005	4.5498	4.0000e-005	4.5498	0.4545	4.0000e-005	0.4545	0.0000	4.3540	4.3540	3.0000e-004	0.0000	4.3602
<b>Total</b>	<b>3.1400e-003</b>	<b>8.0000e-003</b>	<b>0.0451</b>	<b>7.0000e-005</b>	<b>4.5898</b>	<b>9.0000e-005</b>	<b>4.5899</b>	<b>0.4585</b>	<b>8.0000e-005</b>	<b>0.4586</b>	<b>0.0000</b>	<b>4.9457</b>	<b>4.9457</b>	<b>3.1000e-004</b>	<b>0.0000</b>	<b>4.9520</b>

### 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0216	0.0415	0.2025	2.5000e-004	0.0180	4.5000e-004	0.0184	4.8100e-003	4.2000e-004	5.2300e-003	0.0000	20.0584	20.0584	1.1700e-003	0.0000	20.0829
Unmitigated	0.0216	0.0415	0.2025	2.5000e-004	0.0180	4.5000e-004	0.0184	4.8100e-003	4.2000e-004	5.2300e-003	0.0000	20.0584	20.0584	1.1700e-003	0.0000	20.0829

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	29.89	29.89	29.89	47,611	47,611
Total	29.89	29.89	29.89	47,611	47,611

### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	8.80	4.60	4.60	33.00	48.00	19.00	66	28	6

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.488581	0.036221	0.211775	0.155813	0.050113	0.007529	0.019404	0.013627	0.001902	0.002205	0.008084	0.001620	0.003129

### 5.0 Energy Detail

#### 4.4 Fleet Mix

Historical Energy Use: N



### 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						
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

### 5.3 Energy by Land Use - Electricity

#### Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

### 5.3 Energy by Land Use - Electricity

#### Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.4356	0.0000	1.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.4000e-004	3.4000e-004	0.0000	0.0000	3.6000e-004
Unmitigated	3.4356	0.0000	1.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.4000e-004	3.4000e-004	0.0000	0.0000	3.6000e-004

### 6.2 Area by SubCategory

#### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2372					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.1983					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	1.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.4000e-004	3.4000e-004	0.0000	0.0000	3.6000e-004
<b>Total</b>	<b>3.4356</b>	<b>0.0000</b>	<b>1.8000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.4000e-004</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.6000e-004</b>

#### 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	3.1983					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	1.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.4000e-004	3.4000e-004	0.0000	0.0000	3.6000e-004
Architectural Coating	0.2372					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>3.4356</b>	<b>0.0000</b>	<b>1.8000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.4000e-004</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.6000e-004</b>

### 7.0 Water Detail

### 7.1 Mitigation Measures Water

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

### 7.2 Water by Land Use

#### Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 22.3998	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>



## 7.2 Water by Land Use

### Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 22.3998	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

#### Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.3289	0.0194	0.0000	0.7370
Unmitigated	0.3289	0.0194	0.0000	0.7370

## 8.2 Waste by Land Use

### Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	1.62	0.3289	0.0194	0.0000	0.7370
<b>Total</b>		<b>0.3289</b>	<b>0.0194</b>	<b>0.0000</b>	<b>0.7370</b>

### Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	1.62	0.3289	0.0194	0.0000	0.7370
<b>Total</b>		<b>0.3289</b>	<b>0.0194</b>	<b>0.0000</b>	<b>0.7370</b>

## 9.0 Operational Offroad

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

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**Guadalupe Dunes Partial Granite Site**  
**Santa Barbara-South of Santa Ynez Range County, Summer**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	18.80	Acre	18.80	818,928.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.7	<b>Precipitation Freq (Days)</b>	37
<b>Climate Zone</b>	4			<b>Operational Year</b>	2015

**Utility Company**

<b>CO2 Intensity (lb/MWhr)</b>	0	<b>CH4 Intensity (lb/MWhr)</b>	0	<b>N2O Intensity (lb/MWhr)</b>	0
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**1.3 User Entered Comments & Non-Default Data**

- Project Characteristics -
- Land Use - - calculated from project description
- Construction Phase - -
- Off-road Equipment - - no coating
- Off-road Equipment - -
- Trips and VMT - -
- On-road Fugitive Dust - - General assumption of paved roads
- Demolition -
- Grading - -
- Architectural Coating -
- Construction Off-road Equipment Mitigation -
- Vehicle Trips -
- Vehicle Emission Factors -
- Vehicle Emission Factors -
- Vehicle Emission Factors -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Interior	1228392	0
tblConstructionPhase	NumDays	30.00	152.00
tblGrading	MaterialExported	0.00	1,550.00
tblOffRoadEquipment	HorsePower	84.00	255.00
tblOffRoadEquipment	LoadFactor	0.74	0.40
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	PhaseName		Grading
tblOnRoadDust	HaulingPercentPave	100.00	90.00
tblOnRoadDust	VendorPercentPave	100.00	50.00
tblOnRoadDust	WorkerPercentPave	100.00	50.00
tblProjectCharacteristics	OperationalYear	2014	2015
tblTripsAndVMT	HaulingTripLength	20.00	42.00
tblTripsAndVMT	HaulingTripNumber	0.00	62.00
tblTripsAndVMT	WorkerTripNumber	10.00	13.00

## 2.0 Emissions Summary

### 2.1 Overall Construction (Maximum Daily Emission)

#### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2014	1.8323	20.4776	10.2421	0.0262	123.5833	0.9365	124.5198	12.3480	0.8915	13.2395	0.0000	2,888.4322	2,888.4322	0.2946	0.0000	2,894.6193
2015	1.7283	18.8789	9.9487	0.0262	122.2275	0.8810	123.1085	12.2120	0.8376	13.0495	0.0000	2,877.0598	2,877.0598	0.2864	0.0000	2,883.0736
<b>Total</b>	<b>3.5606</b>	<b>39.3565</b>	<b>20.1908</b>	<b>0.0523</b>	<b>245.8108</b>	<b>1.8175</b>	<b>247.6283</b>	<b>24.5600</b>	<b>1.7290</b>	<b>26.2890</b>	<b>0.0000</b>	<b>5,765.4920</b>	<b>5,765.4920</b>	<b>0.5810</b>	<b>0.0000</b>	<b>5,777.6929</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2014	1.8323	20.4776	10.2421	0.0262	123.5771	0.9365	124.5136	12.3473	0.8915	13.2388	0.0000	2,888.4322	2,888.4322	0.2946	0.0000	2,894.6192
2015	1.7283	18.8789	9.9487	0.0262	122.2213	0.8810	123.1023	12.2113	0.8376	13.0488	0.0000	2,877.0598	2,877.0598	0.2864	0.0000	2,883.0736
<b>Total</b>	<b>3.5606</b>	<b>39.3565</b>	<b>20.1908</b>	<b>0.0523</b>	<b>245.7984</b>	<b>1.8175</b>	<b>247.6159</b>	<b>24.5586</b>	<b>1.7290</b>	<b>26.2876</b>	<b>0.0000</b>	<b>5,765.4920</b>	<b>5,765.4920</b>	<b>0.5810</b>	<b>0.0000</b>	<b>5,777.6929</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

**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	18.8252	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.1100e-003	4.1100e-003	1.0000e-005		4.3600e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.1138	0.2135	1.0181	1.3800e-003	0.1009	2.4800e-003	0.1034	0.0270	2.2800e-003	0.0293		123.6762	123.6762	7.0800e-003		123.8248
<b>Total</b>	<b>18.9390</b>	<b>0.2135</b>	<b>1.0201</b>	<b>1.3800e-003</b>	<b>0.1009</b>	<b>2.4900e-003</b>	<b>0.1034</b>	<b>0.0270</b>	<b>2.2900e-003</b>	<b>0.0293</b>		<b>123.6803</b>	<b>123.6803</b>	<b>7.0900e-003</b>	<b>0.0000</b>	<b>123.8291</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	18.8252	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.1100e-003	4.1100e-003	1.0000e-005		4.3600e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.1138	0.2135	1.0181	1.3800e-003	0.1009	2.4800e-003	0.1034	0.0270	2.2800e-003	0.0293		123.6762	123.6762	7.0800e-003		123.8248
<b>Total</b>	<b>18.9390</b>	<b>0.2135</b>	<b>1.0201</b>	<b>1.3800e-003</b>	<b>0.1009</b>	<b>2.4900e-003</b>	<b>0.1034</b>	<b>0.0270</b>	<b>2.2900e-003</b>	<b>0.0293</b>		<b>123.6803</b>	<b>123.6803</b>	<b>7.0900e-003</b>	<b>0.0000</b>	<b>123.8291</b>

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	10/1/2014	4/30/2015	5	152	

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

**Acres of Grading (Grading Phase): 1.4**

**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
Grading	Generator Sets	2	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	4	13.00	0.00	62.00	12.30	4.60	42.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Grading - 2014**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0113	0.0000	0.0113	1.2800e-003	0.0000	1.2800e-003			0.0000			0.0000
Off-Road	1.7408	20.0286	9.0080	0.0242		0.9292	0.9292		0.8848	0.8848		2,706.8382	2,706.8382	0.2856		2,712.8361
<b>Total</b>	<b>1.7408</b>	<b>20.0286</b>	<b>9.0080</b>	<b>0.0242</b>	<b>0.0113</b>	<b>0.9292</b>	<b>0.9405</b>	<b>1.2800e-003</b>	<b>0.8848</b>	<b>0.8861</b>		<b>2,706.8382</b>	<b>2,706.8382</b>	<b>0.2856</b>		<b>2,712.8361</b>



**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0197	0.3391	0.2068	6.2000e-004	5.8338	6.1700e-003	5.8400	0.5864	5.6800e-003	0.5921		64.1100	64.1100	5.9000e-004		64.1223
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0718	0.1099	1.0273	1.3200e-003	117.7382	1.0800e-003	117.7393	11.7603	9.7000e-004	11.7613		117.4841	117.4841	8.4200e-003		117.6609
<b>Total</b>	<b>0.0914</b>	<b>0.4490</b>	<b>1.2340</b>	<b>1.9400e-003</b>	<b>123.5721</b>	<b>7.2500e-003</b>	<b>123.5793</b>	<b>12.3468</b>	<b>6.6500e-003</b>	<b>12.3534</b>		<b>181.5941</b>	<b>181.5941</b>	<b>9.0100e-003</b>		<b>181.7832</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.0700e-003	0.0000	5.0700e-003	5.8000e-004	0.0000	5.8000e-004			0.0000			0.0000
Off-Road	1.7408	20.0286	9.0080	0.0242		0.9292	0.9292		0.8848	0.8848	0.0000	2,706.8382	2,706.8382	0.2856		2,712.8361
<b>Total</b>	<b>1.7408</b>	<b>20.0286</b>	<b>9.0080</b>	<b>0.0242</b>	<b>5.0700e-003</b>	<b>0.9292</b>	<b>0.9343</b>	<b>5.8000e-004</b>	<b>0.8848</b>	<b>0.8854</b>	<b>0.0000</b>	<b>2,706.8382</b>	<b>2,706.8382</b>	<b>0.2856</b>		<b>2,712.8361</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0197	0.3391	0.2068	6.2000e-004	5.8338	6.1700e-003	5.8400	0.5864	5.6800e-003	0.5921		64.1100	64.1100	5.9000e-004		64.1223
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0718	0.1099	1.0273	1.3200e-003	117.7382	1.0800e-003	117.7393	11.7603	9.7000e-004	11.7613		117.4841	117.4841	8.4200e-003		117.6609
<b>Total</b>	<b>0.0914</b>	<b>0.4490</b>	<b>1.2340</b>	<b>1.9400e-003</b>	<b>123.5721</b>	<b>7.2500e-003</b>	<b>123.5793</b>	<b>12.3468</b>	<b>6.6500e-003</b>	<b>12.3534</b>		<b>181.5941</b>	<b>181.5941</b>	<b>9.0100e-003</b>		<b>181.7832</b>

**3.2 Grading - 2015**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0113	0.0000	0.0113	1.2800e-003	0.0000	1.2800e-003			0.0000			0.0000
Off-Road	1.6490	18.4892	8.8593	0.0242		0.8755	0.8755		0.8325	0.8325		2,699.6833	2,699.6833	0.2783		2,705.5274
<b>Total</b>	<b>1.6490</b>	<b>18.4892</b>	<b>8.8593</b>	<b>0.0242</b>	<b>0.0113</b>	<b>0.8755</b>	<b>0.8868</b>	<b>1.2800e-003</b>	<b>0.8325</b>	<b>0.8338</b>		<b>2,699.6833</b>	<b>2,699.6833</b>	<b>0.2783</b>		<b>2,705.5274</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0169	0.2935	0.1859	6.2000e-004	4.4779	4.5300e-003	4.4825	0.4504	4.1600e-003	0.4545		63.2891	63.2891	5.0000e-004		63.2996
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0624	0.0962	0.9035	1.3200e-003	117.7382	1.0000e-003	117.7392	11.7603	9.0000e-004	11.7612		114.0874	114.0874	7.5800e-003		114.2466
<b>Total</b>	<b>0.0793</b>	<b>0.3897</b>	<b>1.0894</b>	<b>1.9400e-003</b>	<b>122.2162</b>	<b>5.5300e-003</b>	<b>122.2217</b>	<b>12.2107</b>	<b>5.0600e-003</b>	<b>12.2158</b>		<b>177.3764</b>	<b>177.3764</b>	<b>8.0800e-003</b>		<b>177.5462</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.0700e-003	0.0000	5.0700e-003	5.8000e-004	0.0000	5.8000e-004			0.0000			0.0000
Off-Road	1.6490	18.4892	8.8593	0.0242		0.8755	0.8755		0.8325	0.8325	0.0000	2,699.6833	2,699.6833	0.2783		2,705.5274
<b>Total</b>	<b>1.6490</b>	<b>18.4892</b>	<b>8.8593</b>	<b>0.0242</b>	<b>5.0700e-003</b>	<b>0.8755</b>	<b>0.8806</b>	<b>5.8000e-004</b>	<b>0.8325</b>	<b>0.8331</b>	<b>0.0000</b>	<b>2,699.6833</b>	<b>2,699.6833</b>	<b>0.2783</b>		<b>2,705.5274</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0169	0.2935	0.1859	6.2000e-004	4.4779	4.5300e-003	4.4825	0.4504	4.1600e-003	0.4545		63.2891	63.2891	5.0000e-004		63.2996
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0624	0.0962	0.9035	1.3200e-003	117.7382	1.0000e-003	117.7392	11.7603	9.0000e-004	11.7612		114.0874	114.0874	7.5800e-003		114.2466
<b>Total</b>	<b>0.0793</b>	<b>0.3897</b>	<b>1.0894</b>	<b>1.9400e-003</b>	<b>122.2162</b>	<b>5.5300e-003</b>	<b>122.2217</b>	<b>12.2107</b>	<b>5.0600e-003</b>	<b>12.2158</b>		<b>177.3764</b>	<b>177.3764</b>	<b>8.0800e-003</b>		<b>177.5462</b>

**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	0.1138	0.2135	1.0181	1.3800e-003	0.1009	2.4800e-003	0.1034	0.0270	2.2800e-003	0.0293		123.6762	123.6762	7.0800e-003		123.8248
Unmitigated	0.1138	0.2135	1.0181	1.3800e-003	0.1009	2.4800e-003	0.1034	0.0270	2.2800e-003	0.0293		123.6762	123.6762	7.0800e-003		123.8248

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	29.89	29.89	29.89	47,611	47,611
Total	29.89	29.89	29.89	47,611	47,611

### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	8.80	4.60	4.60	33.00	48.00	19.00	66	28	6

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.488581	0.036221	0.211775	0.155813	0.050113	0.007529	0.019404	0.013627	0.001902	0.002205	0.008084	0.001620	0.003129

### 5.0 Energy Detail

#### 4.4 Fleet Mix

Historical Energy Use: N

#### 5.1 Mitigation Measures Energy

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

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

## 6.0 Area Detail

### 6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	18.8252	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.1100e-003	4.1100e-003	1.0000e-005		4.3600e-003
Unmitigated	18.8252	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.1100e-003	4.1100e-003	1.0000e-005		4.3600e-003

### 6.2 Area by SubCategory

#### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Consumer Products	17.5251					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0000e-004	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.1100e-003	4.1100e-003	1.0000e-005		4.3600e-003
Architectural Coating	1.2999					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>18.8252</b>	<b>2.0000e-005</b>	<b>1.9900e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>4.1100e-003</b>	<b>4.1100e-003</b>	<b>1.0000e-005</b>		<b>4.3600e-003</b>

**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	17.5251					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Landscaping	2.0000e-004	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.1100e-003	4.1100e-003	1.0000e-005			4.3600e-003
Architectural Coating	1.2999					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
<b>Total</b>	<b>18.8252</b>	<b>2.0000e-005</b>	<b>1.9900e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>4.1100e-003</b>	<b>4.1100e-003</b>	<b>1.0000e-005</b>			<b>4.3600e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**Guadalupe Dunes Full Granite Site**  
**Santa Barbara-South of Santa Ynez Range County, Annual**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	18.80	Acre	18.80	818,928.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.7	<b>Precipitation Freq (Days)</b>	37
<b>Climate Zone</b>	4			<b>Operational Year</b>	2015
<b>Utility Company</b>					
<b>CO2 Intensity (lb/MWhr)</b>	0	<b>CH4 Intensity (lb/MWhr)</b>	0	<b>N2O Intensity (lb/MWhr)</b>	0

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

Project Characteristics -

Land Use - - calculated from project description

Construction Phase - -

Off-road Equipment - - no coating

Off-road Equipment - -

Trips and VMT - -

On-road Fugitive Dust - - General assumption of paved roads

Demolition -

Grading - -

Architectural Coating -

Vehicle Trips -

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Interior	1228392	0
tblConstructionPhase	NumDays	30.00	152.00
tblGrading	MaterialExported	0.00	1,550.00
tblOffRoadEquipment	HorsePower	84.00	255.00
tblOffRoadEquipment	LoadFactor	0.74	0.40
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	PhaseName		Grading
tblOnRoadDust	HaulingPercentPave	100.00	90.00
tblOnRoadDust	VendorPercentPave	100.00	50.00
tblOnRoadDust	WorkerPercentPave	100.00	50.00
tblProjectCharacteristics	OperationalYear	2014	2015
tblTripsAndVMT	HaulingTripLength	20.00	42.00
tblTripsAndVMT	HaulingTripNumber	0.00	62.00
tblTripsAndVMT	WorkerTripNumber	10.00	13.00

## 2.0 Emissions Summary

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**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.4356	0.0000	1.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.4000e-004	3.4000e-004	0.0000	0.0000	3.6000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0216	0.0415	0.2025	2.5000e-004	0.0180	4.5000e-004	0.0184	4.8100e-003	4.2000e-004	5.2300e-003	0.0000	20.0584	20.0584	1.1700e-003	0.0000	20.0829
Waste						0.0000	0.0000		0.0000	0.0000	0.3289	0.0000	0.3289	0.0194	0.0000	0.7370
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>3.4572</b>	<b>0.0415</b>	<b>0.2027</b>	<b>2.5000e-004</b>	<b>0.0180</b>	<b>4.5000e-004</b>	<b>0.0184</b>	<b>4.8100e-003</b>	<b>4.2000e-004</b>	<b>5.2300e-003</b>	<b>0.3289</b>	<b>20.0587</b>	<b>20.3875</b>	<b>0.0206</b>	<b>0.0000</b>	<b>20.8202</b>

## 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	3.4356	0.0000	1.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.4000e-004	3.4000e-004	0.0000	0.0000	3.6000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0216	0.0415	0.2025	2.5000e-004	0.0180	4.5000e-004	0.0184	4.8100e-003	4.2000e-004	5.2300e-003	0.0000	20.0584	20.0584	1.1700e-003	0.0000	20.0829
Waste						0.0000	0.0000		0.0000	0.0000	0.3289	0.0000	0.3289	0.0194	0.0000	0.7370
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>3.4572</b>	<b>0.0415</b>	<b>0.2027</b>	<b>2.5000e-004</b>	<b>0.0180</b>	<b>4.5000e-004</b>	<b>0.0184</b>	<b>4.8100e-003</b>	<b>4.2000e-004</b>	<b>5.2300e-003</b>	<b>0.3289</b>	<b>20.0587</b>	<b>20.3875</b>	<b>0.0206</b>	<b>0.0000</b>	<b>20.8202</b>

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

## 3.0 Construction Detail

### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	10/1/2014	4/30/2015	5	152	

Acres of Grading (Site Preparation Phase): 0

**Acres of Grading (Grading Phase): 1.4**

**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
Grading	Generator Sets	2	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	4	13.00	0.00	62.00	12.30	4.60	42.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Grading - 2014****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.6000e-004	0.0000	8.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0575	0.6609	0.2973	8.0000e-004		0.0307	0.0307		0.0292	0.0292	0.0000	81.0349	81.0349	8.5500e-003	0.0000	81.2144
<b>Total</b>	<b>0.0575</b>	<b>0.6609</b>	<b>0.2973</b>	<b>8.0000e-004</b>	<b>8.6000e-004</b>	<b>0.0307</b>	<b>0.0315</b>	<b>1.0000e-004</b>	<b>0.0292</b>	<b>0.0293</b>	<b>0.0000</b>	<b>81.0349</b>	<b>81.0349</b>	<b>8.5500e-003</b>	<b>0.0000</b>	<b>81.2144</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.9000e-004	0.0116	7.4900e-003	2.0000e-005	0.1731	2.0000e-004	0.1733	0.0174	1.9000e-004	0.0176	0.0000	1.9184	1.9184	2.0000e-005	0.0000	1.9187
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4500e-003	4.0700e-003	0.0351	4.0000e-005	3.4917	4.0000e-005	3.4917	0.3488	3.0000e-005	0.3488	0.0000	3.4410	3.4410	2.5000e-004	0.0000	3.4462
<b>Total</b>	<b>3.1400e-003</b>	<b>0.0157</b>	<b>0.0426</b>	<b>6.0000e-005</b>	<b>3.6648</b>	<b>2.4000e-004</b>	<b>3.6650</b>	<b>0.3662</b>	<b>2.2000e-004</b>	<b>0.3664</b>	<b>0.0000</b>	<b>5.3593</b>	<b>5.3593</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>5.3650</b>



**3.2 Grading - 2014****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.9000e-004	0.0000	3.9000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0575	0.6609	0.2973	8.0000e-004		0.0307	0.0307		0.0292	0.0292	0.0000	81.0348	81.0348	8.5500e-003	0.0000	81.2143
<b>Total</b>	<b>0.0575</b>	<b>0.6609</b>	<b>0.2973</b>	<b>8.0000e-004</b>	<b>3.9000e-004</b>	<b>0.0307</b>	<b>0.0311</b>	<b>4.0000e-005</b>	<b>0.0292</b>	<b>0.0292</b>	<b>0.0000</b>	<b>81.0348</b>	<b>81.0348</b>	<b>8.5500e-003</b>	<b>0.0000</b>	<b>81.2143</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.9000e-004	0.0116	7.4900e-003	2.0000e-005	0.1731	2.0000e-004	0.1733	0.0174	1.9000e-004	0.0176	0.0000	1.9184	1.9184	2.0000e-005	0.0000	1.9187
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4500e-003	4.0700e-003	0.0351	4.0000e-005	3.4917	4.0000e-005	3.4917	0.3488	3.0000e-005	0.3488	0.0000	3.4410	3.4410	2.5000e-004	0.0000	3.4462
<b>Total</b>	<b>3.1400e-003</b>	<b>0.0157</b>	<b>0.0426</b>	<b>6.0000e-005</b>	<b>3.6648</b>	<b>2.4000e-004</b>	<b>3.6650</b>	<b>0.3662</b>	<b>2.2000e-004</b>	<b>0.3664</b>	<b>0.0000</b>	<b>5.3593</b>	<b>5.3593</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>5.3650</b>

**3.2 Grading - 2015****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.6000e-004	0.0000	8.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0709	0.7950	0.3810	1.0400e-003		0.0377	0.0377		0.0358	0.0358	0.0000	105.3118	105.3118	0.0109	0.0000	105.5398
<b>Total</b>	<b>0.0709</b>	<b>0.7950</b>	<b>0.3810</b>	<b>1.0400e-003</b>	<b>8.6000e-004</b>	<b>0.0377</b>	<b>0.0385</b>	<b>1.0000e-004</b>	<b>0.0358</b>	<b>0.0359</b>	<b>0.0000</b>	<b>105.3118</b>	<b>105.3118</b>	<b>0.0109</b>	<b>0.0000</b>	<b>105.5398</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.7000e-004	0.0131	8.8200e-003	3.0000e-005	0.1731	1.9000e-004	0.1733	0.0174	1.8000e-004	0.0176	0.0000	2.4677	2.4677	2.0000e-005	0.0000	2.4681
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7700e-003	4.6400e-003	0.0400	6.0000e-005	4.5498	4.0000e-005	4.5498	0.4545	4.0000e-005	0.4545	0.0000	4.3540	4.3540	3.0000e-004	0.0000	4.3602
<b>Total</b>	<b>3.5400e-003</b>	<b>0.0178</b>	<b>0.0488</b>	<b>9.0000e-005</b>	<b>4.7229</b>	<b>2.3000e-004</b>	<b>4.7231</b>	<b>0.4719</b>	<b>2.2000e-004</b>	<b>0.4721</b>	<b>0.0000</b>	<b>6.8217</b>	<b>6.8217</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>6.8283</b>

### 3.2 Grading - 2015

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.9000e-004	0.0000	3.9000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0709	0.7950	0.3810	1.0400e-003		0.0377	0.0377		0.0358	0.0358	0.0000	105.3117	105.3117	0.0109	0.0000	105.5396
<b>Total</b>	<b>0.0709</b>	<b>0.7950</b>	<b>0.3810</b>	<b>1.0400e-003</b>	<b>3.9000e-004</b>	<b>0.0377</b>	<b>0.0380</b>	<b>4.0000e-005</b>	<b>0.0358</b>	<b>0.0358</b>	<b>0.0000</b>	<b>105.3117</b>	<b>105.3117</b>	<b>0.0109</b>	<b>0.0000</b>	<b>105.5396</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.7000e-004	0.0131	8.8200e-003	3.0000e-005	0.1731	1.9000e-004	0.1733	0.0174	1.8000e-004	0.0176	0.0000	2.4677	2.4677	2.0000e-005	0.0000	2.4681
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7700e-003	4.6400e-003	0.0400	6.0000e-005	4.5498	4.0000e-005	4.5498	0.4545	4.0000e-005	0.4545	0.0000	4.3540	4.3540	3.0000e-004	0.0000	4.3602
<b>Total</b>	<b>3.5400e-003</b>	<b>0.0178</b>	<b>0.0488</b>	<b>9.0000e-005</b>	<b>4.7229</b>	<b>2.3000e-004</b>	<b>4.7231</b>	<b>0.4719</b>	<b>2.2000e-004</b>	<b>0.4721</b>	<b>0.0000</b>	<b>6.8217</b>	<b>6.8217</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>6.8283</b>

### 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0216	0.0415	0.2025	2.5000e-004	0.0180	4.5000e-004	0.0184	4.8100e-003	4.2000e-004	5.2300e-003	0.0000	20.0584	20.0584	1.1700e-003	0.0000	20.0829
Unmitigated	0.0216	0.0415	0.2025	2.5000e-004	0.0180	4.5000e-004	0.0184	4.8100e-003	4.2000e-004	5.2300e-003	0.0000	20.0584	20.0584	1.1700e-003	0.0000	20.0829

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	29.89	29.89	29.89	47,611	47,611
Total	29.89	29.89	29.89	47,611	47,611

### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	8.80	4.60	4.60	33.00	48.00	19.00	66	28	6

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.488581	0.036221	0.211775	0.155813	0.050113	0.007529	0.019404	0.013627	0.001902	0.002205	0.008084	0.001620	0.003129

### 5.0 Energy Detail

#### 4.4 Fleet Mix

Historical Energy Use: N



### 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						
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

### 5.3 Energy by Land Use - Electricity

#### Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

### 5.3 Energy by Land Use - Electricity

#### Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.4356	0.0000	1.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.4000e-004	3.4000e-004	0.0000	0.0000	3.6000e-004
Unmitigated	3.4356	0.0000	1.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.4000e-004	3.4000e-004	0.0000	0.0000	3.6000e-004

### 6.2 Area by SubCategory

#### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2372					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.1983					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	1.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.4000e-004	3.4000e-004	0.0000	0.0000	3.6000e-004
<b>Total</b>	<b>3.4356</b>	<b>0.0000</b>	<b>1.8000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.4000e-004</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.6000e-004</b>

#### 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	3.1983					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	1.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.4000e-004	3.4000e-004	0.0000	0.0000	3.6000e-004
Architectural Coating	0.2372					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>3.4356</b>	<b>0.0000</b>	<b>1.8000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.4000e-004</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.6000e-004</b>

### 7.0 Water Detail



### 7.1 Mitigation Measures Water

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

### 7.2 Water by Land Use

#### Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 22.3998	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

## 7.2 Water by Land Use

### Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 22.3998	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

#### Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.3289	0.0194	0.0000	0.7370
Unmitigated	0.3289	0.0194	0.0000	0.7370

## 8.2 Waste by Land Use

### Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	1.62	0.3289	0.0194	0.0000	0.7370
<b>Total</b>		<b>0.3289</b>	<b>0.0194</b>	<b>0.0000</b>	<b>0.7370</b>

### Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	1.62	0.3289	0.0194	0.0000	0.7370
<b>Total</b>		<b>0.3289</b>	<b>0.0194</b>	<b>0.0000</b>	<b>0.7370</b>

## 9.0 Operational Offroad

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

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**Guadalupe Dunes Partial Greka Site**  
**Santa Barbara-South of Santa Ynez Range County, Summer**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	18.80	Acre	18.80	818,928.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.7	<b>Precipitation Freq (Days)</b>	37
<b>Climate Zone</b>	4	<b>Operational Year</b>		2015	

**Utility Company**

<b>CO2 Intensity (lb/MWhr)</b>	0	<b>CH4 Intensity (lb/MWhr)</b>	0	<b>N2O Intensity (lb/MWhr)</b>	0
--------------------------------	---	--------------------------------	---	--------------------------------	---

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

- Project Characteristics -
- Land Use - - calculated from project description
- Construction Phase - - Partial Project everything in one stage
- Off-road Equipment - - no coating
- Off-road Equipment - -
- Trips and VMT - - Partial project greko site
- On-road Fugitive Dust - - General assumption of paved roads
- Demolition -
- Grading - -
- Architectural Coating -
- Construction Off-road Equipment Mitigation -
- Vehicle Trips -
- Vehicle Emission Factors -
- Vehicle Emission Factors -
- Vehicle Emission Factors -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Interior	1228392	0
tblConstructionPhase	NumDays	30.00	66.00
tblGrading	MaterialExported	0.00	875.00
tblOffRoadEquipment	HorsePower	84.00	255.00
tblOffRoadEquipment	LoadFactor	0.74	0.40
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	PhaseName		Grading
tblOnRoadDust	HaulingPercentPave	100.00	90.00
tblOnRoadDust	VendorPercentPave	100.00	50.00
tblOnRoadDust	WorkerPercentPave	100.00	50.00
tblProjectCharacteristics	OperationalYear	2014	2015
tblTripsAndVMT	HaulingTripLength	20.00	9.70
tblTripsAndVMT	HaulingTripNumber	0.00	35.00
tblTripsAndVMT	WorkerTripNumber	10.00	13.00

## 2.0 Emissions Summary

### 2.1 Overall Construction (Maximum Daily Emission)

#### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2014	1.8241	20.2511	10.1785	0.0257	118.5239	0.9322	119.4561	11.8397	0.8875	12.7273	0.0000	2,844.3416	2,844.3416	0.2942	0.0000	2,850.5205
<b>Total</b>	<b>1.8241</b>	<b>20.2511</b>	<b>10.1785</b>	<b>0.0257</b>	<b>118.5239</b>	<b>0.9322</b>	<b>119.4561</b>	<b>11.8397</b>	<b>0.8875</b>	<b>12.7273</b>	<b>0.0000</b>	<b>2,844.3416</b>	<b>2,844.3416</b>	<b>0.2942</b>	<b>0.0000</b>	<b>2,850.5205</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2014	1.8241	20.2511	10.1785	0.0257	118.5104	0.9322	119.4426	11.8382	0.8875	12.7258	0.0000	2,844.3416	2,844.3416	0.2942	0.0000	2,850.5205
<b>Total</b>	<b>1.8241</b>	<b>20.2511</b>	<b>10.1785</b>	<b>0.0257</b>	<b>118.5104</b>	<b>0.9322</b>	<b>119.4426</b>	<b>11.8382</b>	<b>0.8875</b>	<b>12.7258</b>	<b>0.0000</b>	<b>2,844.3416</b>	<b>2,844.3416</b>	<b>0.2942</b>	<b>0.0000</b>	<b>2,850.5205</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

**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	18.8252	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.1100e-003	4.1100e-003	1.0000e-005		4.3600e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.1138	0.2135	1.0181	1.3800e-003	0.1009	2.4800e-003	0.1034	0.0270	2.2800e-003	0.0293		123.6762	123.6762	7.0800e-003		123.8248
<b>Total</b>	<b>18.9390</b>	<b>0.2135</b>	<b>1.0201</b>	<b>1.3800e-003</b>	<b>0.1009</b>	<b>2.4900e-003</b>	<b>0.1034</b>	<b>0.0270</b>	<b>2.2900e-003</b>	<b>0.0293</b>		<b>123.6803</b>	<b>123.6803</b>	<b>7.0900e-003</b>	<b>0.0000</b>	<b>123.8291</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	18.8252	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.1100e-003	4.1100e-003	1.0000e-005		4.3600e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.1138	0.2135	1.0181	1.3800e-003	0.1009	2.4800e-003	0.1034	0.0270	2.2800e-003	0.0293		123.6762	123.6762	7.0800e-003		123.8248
<b>Total</b>	<b>18.9390</b>	<b>0.2135</b>	<b>1.0201</b>	<b>1.3800e-003</b>	<b>0.1009</b>	<b>2.4900e-003</b>	<b>0.1034</b>	<b>0.0270</b>	<b>2.2900e-003</b>	<b>0.0293</b>		<b>123.6803</b>	<b>123.6803</b>	<b>7.0900e-003</b>	<b>0.0000</b>	<b>123.8291</b>

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	10/1/2014	12/31/2014	5	66	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 1.4

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
Grading	Generator Sets	2	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	4	13.00	0.00	35.00	12.30	4.60	9.70	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Grading - 2014**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0245	0.0000	0.0245	2.7300e-003	0.0000	2.7300e-003			0.0000			0.0000
Off-Road	1.7408	20.0286	9.0080	0.0242		0.9292	0.9292		0.8848	0.8848		2,706.8382	2,706.8382	0.2856		2,712.8361
<b>Total</b>	<b>1.7408</b>	<b>20.0286</b>	<b>9.0080</b>	<b>0.0242</b>	<b>0.0245</b>	<b>0.9292</b>	<b>0.9537</b>	<b>2.7300e-003</b>	<b>0.8848</b>	<b>0.8875</b>		<b>2,706.8382</b>	<b>2,706.8382</b>	<b>0.2856</b>		<b>2,712.8361</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0115	0.1126	0.1432	2.0000e-004	0.7612	1.9100e-003	0.7631	0.0767	1.7500e-003	0.0784		20.0194	20.0194	2.0000e-004		20.0236
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0718	0.1099	1.0273	1.3200e-003	117.7382	1.0800e-003	117.7393	11.7603	9.7000e-004	11.7613		117.4841	117.4841	8.4200e-003		117.6609
<b>Total</b>	<b>0.0833</b>	<b>0.2225</b>	<b>1.1705</b>	<b>1.5200e-003</b>	<b>118.4994</b>	<b>2.9900e-003</b>	<b>118.5024</b>	<b>11.8370</b>	<b>2.7200e-003</b>	<b>11.8397</b>		<b>137.5035</b>	<b>137.5035</b>	<b>8.6200e-003</b>		<b>137.6845</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0110	0.0000	0.0110	1.2300e-003	0.0000	1.2300e-003			0.0000			0.0000
Off-Road	1.7408	20.0286	9.0080	0.0242		0.9292	0.9292		0.8848	0.8848	0.0000	2,706.8382	2,706.8382	0.2856		2,712.8361
<b>Total</b>	<b>1.7408</b>	<b>20.0286</b>	<b>9.0080</b>	<b>0.0242</b>	<b>0.0110</b>	<b>0.9292</b>	<b>0.9402</b>	<b>1.2300e-003</b>	<b>0.8848</b>	<b>0.8860</b>	<b>0.0000</b>	<b>2,706.8382</b>	<b>2,706.8382</b>	<b>0.2856</b>		<b>2,712.8361</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0115	0.1126	0.1432	2.0000e-004	0.7612	1.9100e-003	0.7631	0.0767	1.7500e-003	0.0784		20.0194	20.0194	2.0000e-004		20.0236
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0718	0.1099	1.0273	1.3200e-003	117.7382	1.0800e-003	117.7393	11.7603	9.7000e-004	11.7613		117.4841	117.4841	8.4200e-003		117.6609
<b>Total</b>	<b>0.0833</b>	<b>0.2225</b>	<b>1.1705</b>	<b>1.5200e-003</b>	<b>118.4994</b>	<b>2.9900e-003</b>	<b>118.5024</b>	<b>11.8370</b>	<b>2.7200e-003</b>	<b>11.8397</b>		<b>137.5035</b>	<b>137.5035</b>	<b>8.6200e-003</b>		<b>137.6845</b>

**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	0.1138	0.2135	1.0181	1.3800e-003	0.1009	2.4800e-003	0.1034	0.0270	2.2800e-003	0.0293		123.6762	123.6762	7.0800e-003		123.8248
Unmitigated	0.1138	0.2135	1.0181	1.3800e-003	0.1009	2.4800e-003	0.1034	0.0270	2.2800e-003	0.0293		123.6762	123.6762	7.0800e-003		123.8248

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	29.89	29.89	29.89	47,611	47,611
Total	29.89	29.89	29.89	47,611	47,611

### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	8.80	4.60	4.60	33.00	48.00	19.00	66	28	6

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.488581	0.036221	0.211775	0.155813	0.050113	0.007529	0.019404	0.013627	0.001902	0.002205	0.008084	0.001620	0.003129

### 5.0 Energy Detail

#### 4.4 Fleet Mix

Historical Energy Use: N

#### 5.1 Mitigation Measures Energy

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

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

## 6.0 Area Detail

### 6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	18.8252	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.1100e-003	4.1100e-003	1.0000e-005		4.3600e-003
Unmitigated	18.8252	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.1100e-003	4.1100e-003	1.0000e-005		4.3600e-003

### 6.2 Area by SubCategory

#### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.2999					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	17.5251					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0000e-004	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.1100e-003	4.1100e-003	1.0000e-005		4.3600e-003
<b>Total</b>	<b>18.8252</b>	<b>2.0000e-005</b>	<b>1.9900e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>4.1100e-003</b>	<b>4.1100e-003</b>	<b>1.0000e-005</b>		<b>4.3600e-003</b>

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.2999					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	17.5251					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0000e-004	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.1100e-003	4.1100e-003	1.0000e-005		4.3600e-003
<b>Total</b>	<b>18.8252</b>	<b>2.0000e-005</b>	<b>1.9900e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>4.1100e-003</b>	<b>4.1100e-003</b>	<b>1.0000e-005</b>		<b>4.3600e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**Guadalupe Dunes Partial Greka Site**  
**Santa Barbara-South of Santa Ynez Range County, Annual**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	18.80	Acre	18.80	818,928.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.7	<b>Precipitation Freq (Days)</b>	37
<b>Climate Zone</b>	4			<b>Operational Year</b>	2015
<b>Utility Company</b>					
<b>CO2 Intensity (lb/MWhr)</b>	0	<b>CH4 Intensity (lb/MWhr)</b>	0	<b>N2O Intensity (lb/MWhr)</b>	0

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



Project Characteristics -

Land Use - - calculated from project description

Construction Phase - - Partial Project everything in one stage

Off-road Equipment - - no coating

Off-road Equipment - -

Trips and VMT - - Partial project greko site

On-road Fugitive Dust - - General assumption of paved roads

Demolition -

Grading - -

Architectural Coating -

Vehicle Trips -

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Interior	1228392	0
tblConstructionPhase	NumDays	30.00	66.00
tblGrading	MaterialExported	0.00	875.00
tblOffRoadEquipment	HorsePower	84.00	255.00
tblOffRoadEquipment	LoadFactor	0.74	0.40
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	PhaseName		Grading
tblOnRoadDust	HaulingPercentPave	100.00	90.00
tblOnRoadDust	VendorPercentPave	100.00	50.00
tblOnRoadDust	WorkerPercentPave	100.00	50.00
tblProjectCharacteristics	OperationalYear	2014	2015
tblTripsAndVMT	HaulingTripLength	20.00	9.70
tblTripsAndVMT	HaulingTripNumber	0.00	35.00
tblTripsAndVMT	WorkerTripNumber	10.00	13.00

## 2.0 Emissions Summary

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**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.4356	0.0000	1.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.4000e-004	3.4000e-004	0.0000	0.0000	3.6000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0216	0.0415	0.2025	2.5000e-004	0.0180	4.5000e-004	0.0184	4.8100e-003	4.2000e-004	5.2300e-003	0.0000	20.0584	20.0584	1.1700e-003	0.0000	20.0829
Waste						0.0000	0.0000		0.0000	0.0000	0.3289	0.0000	0.3289	0.0194	0.0000	0.7370
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>3.4572</b>	<b>0.0415</b>	<b>0.2027</b>	<b>2.5000e-004</b>	<b>0.0180</b>	<b>4.5000e-004</b>	<b>0.0184</b>	<b>4.8100e-003</b>	<b>4.2000e-004</b>	<b>5.2300e-003</b>	<b>0.3289</b>	<b>20.0587</b>	<b>20.3875</b>	<b>0.0206</b>	<b>0.0000</b>	<b>20.8202</b>

## 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	3.4356	0.0000	1.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.4000e-004	3.4000e-004	0.0000	0.0000	3.6000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0216	0.0415	0.2025	2.5000e-004	0.0180	4.5000e-004	0.0184	4.8100e-003	4.2000e-004	5.2300e-003	0.0000	20.0584	20.0584	1.1700e-003	0.0000	20.0829
Waste						0.0000	0.0000		0.0000	0.0000	0.3289	0.0000	0.3289	0.0194	0.0000	0.7370
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>3.4572</b>	<b>0.0415</b>	<b>0.2027</b>	<b>2.5000e-004</b>	<b>0.0180</b>	<b>4.5000e-004</b>	<b>0.0184</b>	<b>4.8100e-003</b>	<b>4.2000e-004</b>	<b>5.2300e-003</b>	<b>0.3289</b>	<b>20.0587</b>	<b>20.3875</b>	<b>0.0206</b>	<b>0.0000</b>	<b>20.8202</b>

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

## 3.0 Construction Detail

### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	10/1/2014	12/31/2014	5	66	

Acres of Grading (Site Preparation Phase): 0

**Acres of Grading (Grading Phase): 1.4**

**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
Grading	Generator Sets	2	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	4	13.00	0.00	35.00	12.30	4.60	9.70	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Grading - 2014****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.1000e-004	0.0000	8.1000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0575	0.6609	0.2973	8.0000e-004		0.0307	0.0307		0.0292	0.0292	0.0000	81.0349	81.0349	8.5500e-003	0.0000	81.2144
<b>Total</b>	<b>0.0575</b>	<b>0.6609</b>	<b>0.2973</b>	<b>8.0000e-004</b>	<b>8.1000e-004</b>	<b>0.0307</b>	<b>0.0315</b>	<b>9.0000e-005</b>	<b>0.0292</b>	<b>0.0293</b>	<b>0.0000</b>	<b>81.0349</b>	<b>81.0349</b>	<b>8.5500e-003</b>	<b>0.0000</b>	<b>81.2144</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.3000e-004	3.8500e-003	5.5800e-003	1.0000e-005	0.0226	6.0000e-005	0.0227	2.2800e-003	6.0000e-005	2.3300e-003	0.0000	0.5981	0.5981	1.0000e-005	0.0000	0.5983
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4500e-003	4.0700e-003	0.0351	4.0000e-005	3.4917	4.0000e-005	3.4917	0.3488	3.0000e-005	0.3488	0.0000	3.4410	3.4410	2.5000e-004	0.0000	3.4462
<b>Total</b>	<b>2.8800e-003</b>	<b>7.9200e-003</b>	<b>0.0406</b>	<b>5.0000e-005</b>	<b>3.5143</b>	<b>1.0000e-004</b>	<b>3.5144</b>	<b>0.3511</b>	<b>9.0000e-005</b>	<b>0.3512</b>	<b>0.0000</b>	<b>4.0391</b>	<b>4.0391</b>	<b>2.6000e-004</b>	<b>0.0000</b>	<b>4.0445</b>

### 3.2 Grading - 2014

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.6000e-004	0.0000	3.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0575	0.6609	0.2973	8.0000e-004		0.0307	0.0307		0.0292	0.0292	0.0000	81.0348	81.0348	8.5500e-003	0.0000	81.2143
<b>Total</b>	<b>0.0575</b>	<b>0.6609</b>	<b>0.2973</b>	<b>8.0000e-004</b>	<b>3.6000e-004</b>	<b>0.0307</b>	<b>0.0310</b>	<b>4.0000e-005</b>	<b>0.0292</b>	<b>0.0292</b>	<b>0.0000</b>	<b>81.0348</b>	<b>81.0348</b>	<b>8.5500e-003</b>	<b>0.0000</b>	<b>81.2143</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.3000e-004	3.8500e-003	5.5800e-003	1.0000e-005	0.0226	6.0000e-005	0.0227	2.2800e-003	6.0000e-005	2.3300e-003	0.0000	0.5981	0.5981	1.0000e-005	0.0000	0.5983
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4500e-003	4.0700e-003	0.0351	4.0000e-005	3.4917	4.0000e-005	3.4917	0.3488	3.0000e-005	0.3488	0.0000	3.4410	3.4410	2.5000e-004	0.0000	3.4462
<b>Total</b>	<b>2.8800e-003</b>	<b>7.9200e-003</b>	<b>0.0406</b>	<b>5.0000e-005</b>	<b>3.5143</b>	<b>1.0000e-004</b>	<b>3.5144</b>	<b>0.3511</b>	<b>9.0000e-005</b>	<b>0.3512</b>	<b>0.0000</b>	<b>4.0391</b>	<b>4.0391</b>	<b>2.6000e-004</b>	<b>0.0000</b>	<b>4.0445</b>

### 4.0 Operational Detail - Mobile



### 4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0216	0.0415	0.2025	2.5000e-004	0.0180	4.5000e-004	0.0184	4.8100e-003	4.2000e-004	5.2300e-003	0.0000	20.0584	20.0584	1.1700e-003	0.0000	20.0829
Unmitigated	0.0216	0.0415	0.2025	2.5000e-004	0.0180	4.5000e-004	0.0184	4.8100e-003	4.2000e-004	5.2300e-003	0.0000	20.0584	20.0584	1.1700e-003	0.0000	20.0829

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	29.89	29.89	29.89	47,611	47,611
Total	29.89	29.89	29.89	47,611	47,611

### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	8.80	4.60	4.60	33.00	48.00	19.00	66	28	6

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.488581	0.036221	0.211775	0.155813	0.050113	0.007529	0.019404	0.013627	0.001902	0.002205	0.008084	0.001620	0.003129

### 5.0 Energy Detail

#### 4.4 Fleet Mix

Historical Energy Use: N



### 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						
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

### 5.3 Energy by Land Use - Electricity

#### Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

### 5.3 Energy by Land Use - Electricity

#### Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.4356	0.0000	1.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.4000e-004	3.4000e-004	0.0000	0.0000	3.6000e-004
Unmitigated	3.4356	0.0000	1.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.4000e-004	3.4000e-004	0.0000	0.0000	3.6000e-004

## 6.2 Area by SubCategory

### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2372					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.1983					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	1.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.4000e-004	3.4000e-004	0.0000	0.0000	3.6000e-004
<b>Total</b>	<b>3.4356</b>	<b>0.0000</b>	<b>1.8000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.4000e-004</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.6000e-004</b>

### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2372					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.1983					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	1.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.4000e-004	3.4000e-004	0.0000	0.0000	3.6000e-004
<b>Total</b>	<b>3.4356</b>	<b>0.0000</b>	<b>1.8000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.4000e-004</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.6000e-004</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

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

### 7.2 Water by Land Use

#### Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 22.3998	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

## 7.2 Water by Land Use

### Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 22.3998	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

#### Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.3289	0.0194	0.0000	0.7370
Unmitigated	0.3289	0.0194	0.0000	0.7370

### 8.2 Waste by Land Use

#### Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	1.62	0.3289	0.0194	0.0000	0.7370
<b>Total</b>		<b>0.3289</b>	<b>0.0194</b>	<b>0.0000</b>	<b>0.7370</b>

#### Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	1.62	0.3289	0.0194	0.0000	0.7370
<b>Total</b>		<b>0.3289</b>	<b>0.0194</b>	<b>0.0000</b>	<b>0.7370</b>

### 9.0 Operational Offroad

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

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**Guadalupe Dunes Partial Granite Site**  
**Santa Barbara-South of Santa Ynez Range County, Summer**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	18.80	Acre	18.80	818,928.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.7	<b>Precipitation Freq (Days)</b>	37
<b>Climate Zone</b>	4			<b>Operational Year</b>	2015

**Utility Company**

<b>CO2 Intensity (lb/MWhr)</b>	0	<b>CH4 Intensity (lb/MWhr)</b>	0	<b>N2O Intensity (lb/MWhr)</b>	0
--------------------------------	---	--------------------------------	---	--------------------------------	---

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

Project Characteristics -

Land Use - - calculated from project description

Construction Phase - - Partial Project everything in one stage

Off-road Equipment - - no coating

Off-road Equipment - -

Trips and VMT - - Partial project granite site

On-road Fugitive Dust - - General assumption of paved roads

Demolition -

Grading - -

Architectural Coating -

Construction Off-road Equipment Mitigation -

Vehicle Trips -

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Interior	1228392	0
tblConstructionPhase	NumDays	30.00	66.00
tblGrading	MaterialExported	0.00	875.00
tblOffRoadEquipment	HorsePower	84.00	255.00
tblOffRoadEquipment	LoadFactor	0.74	0.40
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	PhaseName		Grading
tblOnRoadDust	HaulingPercentPave	100.00	90.00
tblOnRoadDust	VendorPercentPave	100.00	50.00
tblOnRoadDust	WorkerPercentPave	100.00	50.00
tblProjectCharacteristics	OperationalYear	2014	2015
tblTripsAndVMT	HaulingTripLength	20.00	42.00
tblTripsAndVMT	HaulingTripNumber	0.00	35.00
tblTripsAndVMT	WorkerTripNumber	10.00	13.00

## 2.0 Emissions Summary

### 2.1 Overall Construction (Maximum Daily Emission)

#### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2014	1.8382	20.5794	10.3041	0.0264	121.0585	0.9383	121.9969	12.0950	0.8932	12.9882	0.0000	2,907.6715	2,907.6715	0.2948	0.0000	2,913.8622
<b>Total</b>	<b>1.8382</b>	<b>20.5794</b>	<b>10.3041</b>	<b>0.0264</b>	<b>121.0585</b>	<b>0.9383</b>	<b>121.9969</b>	<b>12.0950</b>	<b>0.8932</b>	<b>12.9882</b>	<b>0.0000</b>	<b>2,907.6715</b>	<b>2,907.6715</b>	<b>0.2948</b>	<b>0.0000</b>	<b>2,913.8622</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2014	1.8382	20.5794	10.3041	0.0264	121.0451	0.9383	121.9834	12.0935	0.8932	12.9867	0.0000	2,907.6715	2,907.6715	0.2948	0.0000	2,913.8622
<b>Total</b>	<b>1.8382</b>	<b>20.5794</b>	<b>10.3041</b>	<b>0.0264</b>	<b>121.0451</b>	<b>0.9383</b>	<b>121.9834</b>	<b>12.0935</b>	<b>0.8932</b>	<b>12.9867</b>	<b>0.0000</b>	<b>2,907.6715</b>	<b>2,907.6715</b>	<b>0.2948</b>	<b>0.0000</b>	<b>2,913.8622</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

**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	18.8252	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.1100e-003	4.1100e-003	1.0000e-005		4.3600e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.1138	0.2135	1.0181	1.3800e-003	0.1009	2.4800e-003	0.1034	0.0270	2.2800e-003	0.0293		123.6762	123.6762	7.0800e-003		123.8248
<b>Total</b>	<b>18.9390</b>	<b>0.2135</b>	<b>1.0201</b>	<b>1.3800e-003</b>	<b>0.1009</b>	<b>2.4900e-003</b>	<b>0.1034</b>	<b>0.0270</b>	<b>2.2900e-003</b>	<b>0.0293</b>		<b>123.6803</b>	<b>123.6803</b>	<b>7.0900e-003</b>	<b>0.0000</b>	<b>123.8291</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	18.8252	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.1100e-003	4.1100e-003	1.0000e-005		4.3600e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.1138	0.2135	1.0181	1.3800e-003	0.1009	2.4800e-003	0.1034	0.0270	2.2800e-003	0.0293		123.6762	123.6762	7.0800e-003		123.8248
<b>Total</b>	<b>18.9390</b>	<b>0.2135</b>	<b>1.0201</b>	<b>1.3800e-003</b>	<b>0.1009</b>	<b>2.4900e-003</b>	<b>0.1034</b>	<b>0.0270</b>	<b>2.2900e-003</b>	<b>0.0293</b>		<b>123.6803</b>	<b>123.6803</b>	<b>7.0900e-003</b>	<b>0.0000</b>	<b>123.8291</b>

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	10/1/2014	12/31/2014	5	66	

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

**Acres of Grading (Grading Phase): 1.4**

**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
Grading	Generator Sets	2	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	4	13.00	0.00	35.00	12.30	4.60	42.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Grading - 2014**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0245	0.0000	0.0245	2.7300e-003	0.0000	2.7300e-003			0.0000			0.0000
Off-Road	1.7408	20.0286	9.0080	0.0242		0.9292	0.9292		0.8848	0.8848		2,706.8382	2,706.8382	0.2856		2,712.8361
<b>Total</b>	<b>1.7408</b>	<b>20.0286</b>	<b>9.0080</b>	<b>0.0242</b>	<b>0.0245</b>	<b>0.9292</b>	<b>0.9537</b>	<b>2.7300e-003</b>	<b>0.8848</b>	<b>0.8875</b>		<b>2,706.8382</b>	<b>2,706.8382</b>	<b>0.2856</b>		<b>2,712.8361</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0256	0.4409	0.2689	8.1000e-004	3.2959	8.0200e-003	3.3039	0.3320	7.3800e-003	0.3394		83.3493	83.3493	7.6000e-004		83.3652
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0718	0.1099	1.0273	1.3200e-003	117.7382	1.0800e-003	117.7393	11.7603	9.7000e-004	11.7613		117.4841	117.4841	8.4200e-003		117.6609
<b>Total</b>	<b>0.0974</b>	<b>0.5508</b>	<b>1.2961</b>	<b>2.1300e-003</b>	<b>121.0341</b>	<b>9.1000e-003</b>	<b>121.0432</b>	<b>12.0923</b>	<b>8.3500e-003</b>	<b>12.1007</b>		<b>200.8333</b>	<b>200.8333</b>	<b>9.1800e-003</b>		<b>201.0261</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0110	0.0000	0.0110	1.2300e-003	0.0000	1.2300e-003			0.0000			0.0000
Off-Road	1.7408	20.0286	9.0080	0.0242		0.9292	0.9292		0.8848	0.8848	0.0000	2,706.8382	2,706.8382	0.2856		2,712.8361
<b>Total</b>	<b>1.7408</b>	<b>20.0286</b>	<b>9.0080</b>	<b>0.0242</b>	<b>0.0110</b>	<b>0.9292</b>	<b>0.9402</b>	<b>1.2300e-003</b>	<b>0.8848</b>	<b>0.8860</b>	<b>0.0000</b>	<b>2,706.8382</b>	<b>2,706.8382</b>	<b>0.2856</b>		<b>2,712.8361</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0256	0.4409	0.2689	8.1000e-004	3.2959	8.0200e-003	3.3039	0.3320	7.3800e-003	0.3394		83.3493	83.3493	7.6000e-004		83.3652
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0718	0.1099	1.0273	1.3200e-003	117.7382	1.0800e-003	117.7393	11.7603	9.7000e-004	11.7613		117.4841	117.4841	8.4200e-003		117.6609
<b>Total</b>	<b>0.0974</b>	<b>0.5508</b>	<b>1.2961</b>	<b>2.1300e-003</b>	<b>121.0341</b>	<b>9.1000e-003</b>	<b>121.0432</b>	<b>12.0923</b>	<b>8.3500e-003</b>	<b>12.1007</b>		<b>200.8333</b>	<b>200.8333</b>	<b>9.1800e-003</b>		<b>201.0261</b>

**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	0.1138	0.2135	1.0181	1.3800e-003	0.1009	2.4800e-003	0.1034	0.0270	2.2800e-003	0.0293		123.6762	123.6762	7.0800e-003		123.8248
Unmitigated	0.1138	0.2135	1.0181	1.3800e-003	0.1009	2.4800e-003	0.1034	0.0270	2.2800e-003	0.0293		123.6762	123.6762	7.0800e-003		123.8248



### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	29.89	29.89	29.89	47,611	47,611
Total	29.89	29.89	29.89	47,611	47,611

### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	8.80	4.60	4.60	33.00	48.00	19.00	66	28	6

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.488581	0.036221	0.211775	0.155813	0.050113	0.007529	0.019404	0.013627	0.001902	0.002205	0.008084	0.001620	0.003129

### 5.0 Energy Detail

#### 4.4 Fleet Mix

Historical Energy Use: N

#### 5.1 Mitigation Measures Energy

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

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

## 6.0 Area Detail

### 6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	18.8252	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.1100e-003	4.1100e-003	1.0000e-005		4.3600e-003
Unmitigated	18.8252	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.1100e-003	4.1100e-003	1.0000e-005		4.3600e-003

### 6.2 Area by SubCategory

#### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.2999					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	17.5251					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0000e-004	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.1100e-003	4.1100e-003	1.0000e-005		4.3600e-003
<b>Total</b>	<b>18.8252</b>	<b>2.0000e-005</b>	<b>1.9900e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>4.1100e-003</b>	<b>4.1100e-003</b>	<b>1.0000e-005</b>		<b>4.3600e-003</b>

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.2999					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	17.5251					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0000e-004	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.1100e-003	4.1100e-003	1.0000e-005		4.3600e-003
<b>Total</b>	<b>18.8252</b>	<b>2.0000e-005</b>	<b>1.9900e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>4.1100e-003</b>	<b>4.1100e-003</b>	<b>1.0000e-005</b>		<b>4.3600e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**Guadalupe Dunes Partial Granite Site**  
**Santa Barbara-South of Santa Ynez Range County, Annual**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	18.80	Acre	18.80	818,928.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.7	<b>Precipitation Freq (Days)</b>	37
<b>Climate Zone</b>	4			<b>Operational Year</b>	2015
<b>Utility Company</b>					
<b>CO2 Intensity (lb/MWhr)</b>	0	<b>CH4 Intensity (lb/MWhr)</b>	0	<b>N2O Intensity (lb/MWhr)</b>	0

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

Project Characteristics -

Land Use - - calculated from project description

Construction Phase - - Partial Project everything in one stage

Off-road Equipment - - no coating

Off-road Equipment - -

Trips and VMT - - Partial project granite site

On-road Fugitive Dust - - General assumption of paved roads

Demolition -

Grading - -

Architectural Coating -

Vehicle Trips -

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Interior	1228392	0
tblConstructionPhase	NumDays	30.00	66.00
tblGrading	MaterialExported	0.00	875.00
tblOffRoadEquipment	HorsePower	84.00	255.00
tblOffRoadEquipment	LoadFactor	0.74	0.40
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	PhaseName		Grading
tblOnRoadDust	HaulingPercentPave	100.00	90.00
tblOnRoadDust	VendorPercentPave	100.00	50.00
tblOnRoadDust	WorkerPercentPave	100.00	50.00
tblProjectCharacteristics	OperationalYear	2014	2015
tblTripsAndVMT	HaulingTripLength	20.00	42.00
tblTripsAndVMT	HaulingTripNumber	0.00	35.00
tblTripsAndVMT	WorkerTripNumber	10.00	13.00

## 2.0 Emissions Summary

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**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.4356	0.0000	1.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.4000e-004	3.4000e-004	0.0000	0.0000	3.6000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0216	0.0415	0.2025	2.5000e-004	0.0180	4.5000e-004	0.0184	4.8100e-003	4.2000e-004	5.2300e-003	0.0000	20.0584	20.0584	1.1700e-003	0.0000	20.0829
Waste						0.0000	0.0000		0.0000	0.0000	0.3289	0.0000	0.3289	0.0194	0.0000	0.7370
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>3.4572</b>	<b>0.0415</b>	<b>0.2027</b>	<b>2.5000e-004</b>	<b>0.0180</b>	<b>4.5000e-004</b>	<b>0.0184</b>	<b>4.8100e-003</b>	<b>4.2000e-004</b>	<b>5.2300e-003</b>	<b>0.3289</b>	<b>20.0587</b>	<b>20.3875</b>	<b>0.0206</b>	<b>0.0000</b>	<b>20.8202</b>

## 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	3.4356	0.0000	1.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.4000e-004	3.4000e-004	0.0000	0.0000	3.6000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0216	0.0415	0.2025	2.5000e-004	0.0180	4.5000e-004	0.0184	4.8100e-003	4.2000e-004	5.2300e-003	0.0000	20.0584	20.0584	1.1700e-003	0.0000	20.0829
Waste						0.0000	0.0000		0.0000	0.0000	0.3289	0.0000	0.3289	0.0194	0.0000	0.7370
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>3.4572</b>	<b>0.0415</b>	<b>0.2027</b>	<b>2.5000e-004</b>	<b>0.0180</b>	<b>4.5000e-004</b>	<b>0.0184</b>	<b>4.8100e-003</b>	<b>4.2000e-004</b>	<b>5.2300e-003</b>	<b>0.3289</b>	<b>20.0587</b>	<b>20.3875</b>	<b>0.0206</b>	<b>0.0000</b>	<b>20.8202</b>

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

## 3.0 Construction Detail

### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	10/1/2014	12/31/2014	5	66	

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

**Acres of Grading (Grading Phase): 1.4**

**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
Grading	Generator Sets	2	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	4	13.00	0.00	35.00	12.30	4.60	42.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Grading - 2014****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.1000e-004	0.0000	8.1000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0575	0.6609	0.2973	8.0000e-004		0.0307	0.0307		0.0292	0.0292	0.0000	81.0349	81.0349	8.5500e-003	0.0000	81.2144
<b>Total</b>	<b>0.0575</b>	<b>0.6609</b>	<b>0.2973</b>	<b>8.0000e-004</b>	<b>8.1000e-004</b>	<b>0.0307</b>	<b>0.0315</b>	<b>9.0000e-005</b>	<b>0.0292</b>	<b>0.0293</b>	<b>0.0000</b>	<b>81.0349</b>	<b>81.0349</b>	<b>8.5500e-003</b>	<b>0.0000</b>	<b>81.2144</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.9000e-004	0.0151	9.7400e-003	3.0000e-005	0.0978	2.7000e-004	0.0981	9.8600e-003	2.4000e-004	0.0101	0.0000	2.4940	2.4940	2.0000e-005	0.0000	2.4945
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4500e-003	4.0700e-003	0.0351	4.0000e-005	3.4917	4.0000e-005	3.4917	0.3488	3.0000e-005	0.3488	0.0000	3.4410	3.4410	2.5000e-004	0.0000	3.4462
<b>Total</b>	<b>3.3400e-003</b>	<b>0.0192</b>	<b>0.0448</b>	<b>7.0000e-005</b>	<b>3.5895</b>	<b>3.1000e-004</b>	<b>3.5898</b>	<b>0.3587</b>	<b>2.7000e-004</b>	<b>0.3589</b>	<b>0.0000</b>	<b>5.9350</b>	<b>5.9350</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>5.9408</b>

### 3.2 Grading - 2014

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.6000e-004	0.0000	3.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0575	0.6609	0.2973	8.0000e-004		0.0307	0.0307		0.0292	0.0292	0.0000	81.0348	81.0348	8.5500e-003	0.0000	81.2143
<b>Total</b>	<b>0.0575</b>	<b>0.6609</b>	<b>0.2973</b>	<b>8.0000e-004</b>	<b>3.6000e-004</b>	<b>0.0307</b>	<b>0.0310</b>	<b>4.0000e-005</b>	<b>0.0292</b>	<b>0.0292</b>	<b>0.0000</b>	<b>81.0348</b>	<b>81.0348</b>	<b>8.5500e-003</b>	<b>0.0000</b>	<b>81.2143</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.9000e-004	0.0151	9.7400e-003	3.0000e-005	0.0978	2.7000e-004	0.0981	9.8600e-003	2.4000e-004	0.0101	0.0000	2.4940	2.4940	2.0000e-005	0.0000	2.4945
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4500e-003	4.0700e-003	0.0351	4.0000e-005	3.4917	4.0000e-005	3.4917	0.3488	3.0000e-005	0.3488	0.0000	3.4410	3.4410	2.5000e-004	0.0000	3.4462
<b>Total</b>	<b>3.3400e-003</b>	<b>0.0192</b>	<b>0.0448</b>	<b>7.0000e-005</b>	<b>3.5895</b>	<b>3.1000e-004</b>	<b>3.5898</b>	<b>0.3587</b>	<b>2.7000e-004</b>	<b>0.3589</b>	<b>0.0000</b>	<b>5.9350</b>	<b>5.9350</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>5.9408</b>

### 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0216	0.0415	0.2025	2.5000e-004	0.0180	4.5000e-004	0.0184	4.8100e-003	4.2000e-004	5.2300e-003	0.0000	20.0584	20.0584	1.1700e-003	0.0000	20.0829
Unmitigated	0.0216	0.0415	0.2025	2.5000e-004	0.0180	4.5000e-004	0.0184	4.8100e-003	4.2000e-004	5.2300e-003	0.0000	20.0584	20.0584	1.1700e-003	0.0000	20.0829

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	29.89	29.89	29.89	47,611	47,611
Total	29.89	29.89	29.89	47,611	47,611

### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	8.80	4.60	4.60	33.00	48.00	19.00	66	28	6

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.488581	0.036221	0.211775	0.155813	0.050113	0.007529	0.019404	0.013627	0.001902	0.002205	0.008084	0.001620	0.003129

### 5.0 Energy Detail

#### 4.4 Fleet Mix

Historical Energy Use: N



### 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						
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

### 5.3 Energy by Land Use - Electricity

#### Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>



### 5.3 Energy by Land Use - Electricity

#### Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.4356	0.0000	1.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.4000e-004	3.4000e-004	0.0000	0.0000	3.6000e-004
Unmitigated	3.4356	0.0000	1.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.4000e-004	3.4000e-004	0.0000	0.0000	3.6000e-004

### 6.2 Area by SubCategory

#### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2372					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.1983					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	1.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.4000e-004	3.4000e-004	0.0000	0.0000	3.6000e-004
<b>Total</b>	<b>3.4356</b>	<b>0.0000</b>	<b>1.8000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.4000e-004</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.6000e-004</b>

#### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2372					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.1983					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	1.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.4000e-004	3.4000e-004	0.0000	0.0000	3.6000e-004
<b>Total</b>	<b>3.4356</b>	<b>0.0000</b>	<b>1.8000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.4000e-004</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.6000e-004</b>

### 7.0 Water Detail

### 7.1 Mitigation Measures Water

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

### 7.2 Water by Land Use

#### Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 22.3998	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

## 7.2 Water by Land Use

### Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 22.3998	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

#### Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.3289	0.0194	0.0000	0.7370
Unmitigated	0.3289	0.0194	0.0000	0.7370

## 8.2 Waste by Land Use

### Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	1.62	0.3289	0.0194	0.0000	0.7370
<b>Total</b>		<b>0.3289</b>	<b>0.0194</b>	<b>0.0000</b>	<b>0.7370</b>

### Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	1.62	0.3289	0.0194	0.0000	0.7370
<b>Total</b>		<b>0.3289</b>	<b>0.0194</b>	<b>0.0000</b>	<b>0.7370</b>

## 9.0 Operational Offroad

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

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