

APPENDIX D
AIR QUALITY/GREENHOUSE GAS ASSESSMENT

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

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

Urbanization	Urban	Wind Speed (m/s)	2.7	Precipitation Freq (Days)	37
Climate Zone	4			Operational Year	2015
Utility Company					
CO2 Intensity (lb/MW hr)	0	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	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
Total	3.5405	38.8861	20.0073	0.0514	237.8806	1.8093	239.6899	23.7627	1.7215	25.4842	0.0000	5,668.6897	5,668.6897	0.5802	0.0000	5,680.8738

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
Total	3.5405	38.8861	20.0073	0.0514	237.8682	1.8093	239.6775	23.7613	1.7215	25.4828	0.0000	5,668.6897	5,668.6897	0.5802	0.0000	5,680.8738

	ROG	NOx	CO	SO2	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	0.01	0.00	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	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
Total	18.9390	0.2135	1.0201	1.3800e-003	0.1009	2.4900e-003	0.1034	0.0270	2.2900e-003	0.0293		123.6803	123.6803	7.0900e-003	0.0000	123.8291

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
Total	18.9390	0.2135	1.0201	1.3800e-003	0.1009	2.4900e-003	0.1034	0.0270	2.2900e-003	0.0293		123.6803	123.6803	7.0900e-003	0.0000	123.8291

	ROG	NOx	CO	SO2	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
Total	1.7408	20.0286	9.0080	0.0242	0.0113	0.9292	0.9405	1.2800e-003	0.8848	0.8861		2,706.8382	2,706.8382	0.2856		2,712.8361

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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
Total	0.0806	0.1965	1.1374	1.4700e-003	119.0856	2.5500e-003	119.0881	11.8958	2.3200e-003	11.8981		132.8825	132.8825	8.5700e-003		133.0625

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	1.7408	20.0286	9.0080	0.0242	5.0700e-003	0.9292	0.9343	5.8000e-004	0.8848	0.8854	0.0000	2,706.8382	2,706.8382	0.2856		2,712.8361

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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
Total	0.0806	0.1965	1.1374	1.4700e-003	119.0856	2.5500e-003	119.0881	11.8958	2.3200e-003	11.8981		132.8825	132.8825	8.5700e-003		133.0625

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
Total	1.6490	18.4892	8.8593	0.0242	0.0113	0.8755	0.8868	1.2800e-003	0.8325	0.8338		2,699.6833	2,699.6833	0.2783		2,705.5274

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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
Total	0.0700	0.1717	1.0024	1.4700e-003	118.7724	2.0800e-003	118.7745	11.8643	1.8900e-003	11.8662		129.2858	129.2858	7.7100e-003		129.4478

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	1.6490	18.4892	8.8593	0.0242	5.0700e-003	0.8755	0.8806	5.8000e-004	0.8325	0.8331	0.0000	2,699.6833	2,699.6833	0.2783		2,705.5274

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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
Total	0.0700	0.1717	1.0024	1.4700e-003	118.7724	2.0800e-003	118.7745	11.8643	1.8900e-003	11.8662		129.2858	129.2858	7.7100e-003		129.4478

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
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

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

6.0 Area Detail

6.1 Mitigation Measures Area

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

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
Total	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

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

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

1.0 Project Characteristics

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

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

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
Total	3.4572	0.0415	0.2027	2.5000e-004	0.0180	4.5000e-004	0.0184	4.8100e-003	4.2000e-004	5.2300e-003	0.3289	20.0587	20.3875	0.0206	0.0000	20.8202

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
Total	3.4572	0.0415	0.2027	2.5000e-004	0.0180	4.5000e-004	0.0184	4.8100e-003	4.2000e-004	5.2300e-003	0.3289	20.0587	20.3875	0.0206	0.0000	20.8202

	ROG	NOx	CO	SO2	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
Total	0.0575	0.6609	0.2973	8.0000e-004	8.6000e-004	0.0307	0.0315	1.0000e-004	0.0292	0.0293	0.0000	81.0349	81.0349	8.5500e-003	0.0000	81.2144

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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
Total	2.7800e-003	7.0300e-003	0.0394	4.0000e-005	3.5317	9.0000e-005	3.5317	0.3528	7.0000e-005	0.3529	0.0000	3.9010	3.9010	2.5000e-004	0.0000	3.9064

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
Total	0.0575	0.6609	0.2973	8.0000e-004	3.9000e-004	0.0307	0.0311	4.0000e-005	0.0292	0.0292	0.0000	81.0348	81.0348	8.5500e-003	0.0000	81.2143

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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
Total	2.7800e-003	7.0300e-003	0.0394	4.0000e-005	3.5317	9.0000e-005	3.5317	0.3528	7.0000e-005	0.3529	0.0000	3.9010	3.9010	2.5000e-004	0.0000	3.9064

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
Total	0.0709	0.7950	0.3810	1.0400e-003	8.6000e-004	0.0377	0.0385	1.0000e-004	0.0358	0.0359	0.0000	105.3118	105.3118	0.0109	0.0000	105.5398

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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
Total	3.1400e-003	8.0000e-003	0.0451	7.0000e-005	4.5898	9.0000e-005	4.5899	0.4585	8.0000e-005	0.4586	0.0000	4.9457	4.9457	3.1000e-004	0.0000	4.9520

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
Total	0.0709	0.7950	0.3810	1.0400e-003	3.9000e-004	0.0377	0.0380	4.0000e-005	0.0358	0.0358	0.0000	105.3117	105.3117	0.0109	0.0000	105.5396

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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
Total	3.1400e-003	8.0000e-003	0.0451	7.0000e-005	4.5898	9.0000e-005	4.5899	0.4585	8.0000e-005	0.4586	0.0000	4.9457	4.9457	3.1000e-004	0.0000	4.9520

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
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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
Total		0.0000	0.0000	0.0000	0.0000

5.3 Energy by Land Use - Electricity

Mitigated

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

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.4356	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
Total	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

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
Total	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

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
Total		0.0000	0.0000	0.0000	0.0000

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
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

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

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
Total		0.3289	0.0194	0.0000	0.7370

9.0 Operational Offroad

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

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

1.0 Project Characteristics

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

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

Utility Company

CO2 Intensity (lb/MWhr)	0	CH4 Intensity (lb/MWhr)	0	N2O Intensity (lb/MWhr)	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
Total	3.5606	39.3565	20.1908	0.0523	245.8108	1.8175	247.6283	24.5600	1.7290	26.2890	0.0000	5,765.4920	5,765.4920	0.5810	0.0000	5,777.6929

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
Total	3.5606	39.3565	20.1908	0.0523	245.7984	1.8175	247.6159	24.5586	1.7290	26.2876	0.0000	5,765.4920	5,765.4920	0.5810	0.0000	5,777.6929

	ROG	NOx	CO	SO2	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	0.01	0.00	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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
Total	18.9390	0.2135	1.0201	1.3800e-003	0.1009	2.4900e-003	0.1034	0.0270	2.2900e-003	0.0293		123.6803	123.6803	7.0900e-003	0.0000	123.8291

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
Total	18.9390	0.2135	1.0201	1.3800e-003	0.1009	2.4900e-003	0.1034	0.0270	2.2900e-003	0.0293		123.6803	123.6803	7.0900e-003	0.0000	123.8291

	ROG	NOx	CO	SO2	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
Total	1.7408	20.0286	9.0080	0.0242	0.0113	0.9292	0.9405	1.2800e-003	0.8848	0.8861		2,706.8382	2,706.8382	0.2856		2,712.8361

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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
Total	0.0914	0.4490	1.2340	1.9400e-003	123.5721	7.2500e-003	123.5793	12.3468	6.6500e-003	12.3534		181.5941	181.5941	9.0100e-003		181.7832

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	1.7408	20.0286	9.0080	0.0242	5.0700e-003	0.9292	0.9343	5.8000e-004	0.8848	0.8854	0.0000	2,706.8382	2,706.8382	0.2856		2,712.8361

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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
Total	0.0914	0.4490	1.2340	1.9400e-003	123.5721	7.2500e-003	123.5793	12.3468	6.6500e-003	12.3534		181.5941	181.5941	9.0100e-003		181.7832

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
Total	1.6490	18.4892	8.8593	0.0242	0.0113	0.8755	0.8868	1.2800e-003	0.8325	0.8338		2,699.6833	2,699.6833	0.2783		2,705.5274

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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
Total	0.0793	0.3897	1.0894	1.9400e-003	122.2162	5.5300e-003	122.2217	12.2107	5.0600e-003	12.2158		177.3764	177.3764	8.0800e-003		177.5462

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	1.6490	18.4892	8.8593	0.0242	5.0700e-003	0.8755	0.8806	5.8000e-004	0.8325	0.8331	0.0000	2,699.6833	2,699.6833	0.2783		2,705.5274

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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
Total	0.0793	0.3897	1.0894	1.9400e-003	122.2162	5.5300e-003	122.2217	12.2107	5.0600e-003	12.2158		177.3764	177.3764	8.0800e-003		177.5462

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

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
Total	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

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
Total	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

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

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

1.0 Project Characteristics

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

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

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
Total	3.4572	0.0415	0.2027	2.5000e-004	0.0180	4.5000e-004	0.0184	4.8100e-003	4.2000e-004	5.2300e-003	0.3289	20.0587	20.3875	0.0206	0.0000	20.8202

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
Total	3.4572	0.0415	0.2027	2.5000e-004	0.0180	4.5000e-004	0.0184	4.8100e-003	4.2000e-004	5.2300e-003	0.3289	20.0587	20.3875	0.0206	0.0000	20.8202

	ROG	NOx	CO	SO2	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
Total	0.0575	0.6609	0.2973	8.0000e-004	8.6000e-004	0.0307	0.0315	1.0000e-004	0.0292	0.0293	0.0000	81.0349	81.0349	8.5500e-003	0.0000	81.2144

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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
Total	3.1400e-003	0.0157	0.0426	6.0000e-005	3.6648	2.4000e-004	3.6650	0.3662	2.2000e-004	0.3664	0.0000	5.3593	5.3593	2.7000e-004	0.0000	5.3650

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
Total	0.0575	0.6609	0.2973	8.0000e-004	3.9000e-004	0.0307	0.0311	4.0000e-005	0.0292	0.0292	0.0000	81.0348	81.0348	8.5500e-003	0.0000	81.2143

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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
Total	3.1400e-003	0.0157	0.0426	6.0000e-005	3.6648	2.4000e-004	3.6650	0.3662	2.2000e-004	0.3664	0.0000	5.3593	5.3593	2.7000e-004	0.0000	5.3650

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
Total	0.0709	0.7950	0.3810	1.0400e-003	8.6000e-004	0.0377	0.0385	1.0000e-004	0.0358	0.0359	0.0000	105.3118	105.3118	0.0109	0.0000	105.5398

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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
Total	3.5400e-003	0.0178	0.0488	9.0000e-005	4.7229	2.3000e-004	4.7231	0.4719	2.2000e-004	0.4721	0.0000	6.8217	6.8217	3.2000e-004	0.0000	6.8283

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
Total	0.0709	0.7950	0.3810	1.0400e-003	3.9000e-004	0.0377	0.0380	4.0000e-005	0.0358	0.0358	0.0000	105.3117	105.3117	0.0109	0.0000	105.5396

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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
Total	3.5400e-003	0.0178	0.0488	9.0000e-005	4.7229	2.3000e-004	4.7231	0.4719	2.2000e-004	0.4721	0.0000	6.8217	6.8217	3.2000e-004	0.0000	6.8283

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
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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
Total		0.0000	0.0000	0.0000	0.0000

5.3 Energy by Land Use - Electricity

Mitigated

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

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.4356	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
Total	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

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
Total	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

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
Total		0.0000	0.0000	0.0000	0.0000

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
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

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

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
Total		0.3289	0.0194	0.0000	0.7370

9.0 Operational Offroad

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

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

1.0 Project Characteristics

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

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

Utility Company

CO2 Intensity (lb/MWhr)	0	CH4 Intensity (lb/MWhr)	0	N2O Intensity (lb/MWhr)	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
Total	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

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
Total	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

	ROG	NOx	CO	SO2	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	0.01	0.00	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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
Total	18.9390	0.2135	1.0201	1.3800e-003	0.1009	2.4900e-003	0.1034	0.0270	2.2900e-003	0.0293		123.6803	123.6803	7.0900e-003	0.0000	123.8291

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
Total	18.9390	0.2135	1.0201	1.3800e-003	0.1009	2.4900e-003	0.1034	0.0270	2.2900e-003	0.0293		123.6803	123.6803	7.0900e-003	0.0000	123.8291

	ROG	NOx	CO	SO2	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
Total	1.7408	20.0286	9.0080	0.0242	0.0245	0.9292	0.9537	2.7300e-003	0.8848	0.8875		2,706.8382	2,706.8382	0.2856		2,712.8361

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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
Total	0.0833	0.2225	1.1705	1.5200e-003	118.4994	2.9900e-003	118.5024	11.8370	2.7200e-003	11.8397		137.5035	137.5035	8.6200e-003		137.6845

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	1.7408	20.0286	9.0080	0.0242	0.0110	0.9292	0.9402	1.2300e-003	0.8848	0.8860	0.0000	2,706.8382	2,706.8382	0.2856		2,712.8361

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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
Total	0.0833	0.2225	1.1705	1.5200e-003	118.4994	2.9900e-003	118.5024	11.8370	2.7200e-003	11.8397		137.5035	137.5035	8.6200e-003		137.6845

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
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

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

6.0 Area Detail

6.1 Mitigation Measures Area

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

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
Total	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

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

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

1.0 Project Characteristics

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

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

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
Total	3.4572	0.0415	0.2027	2.5000e-004	0.0180	4.5000e-004	0.0184	4.8100e-003	4.2000e-004	5.2300e-003	0.3289	20.0587	20.3875	0.0206	0.0000	20.8202

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
Total	3.4572	0.0415	0.2027	2.5000e-004	0.0180	4.5000e-004	0.0184	4.8100e-003	4.2000e-004	5.2300e-003	0.3289	20.0587	20.3875	0.0206	0.0000	20.8202

	ROG	NOx	CO	SO2	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
Total	0.0575	0.6609	0.2973	8.0000e-004	8.1000e-004	0.0307	0.0315	9.0000e-005	0.0292	0.0293	0.0000	81.0349	81.0349	8.5500e-003	0.0000	81.2144

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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
Total	2.8800e-003	7.9200e-003	0.0406	5.0000e-005	3.5143	1.0000e-004	3.5144	0.3511	9.0000e-005	0.3512	0.0000	4.0391	4.0391	2.6000e-004	0.0000	4.0445

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
Total	0.0575	0.6609	0.2973	8.0000e-004	3.6000e-004	0.0307	0.0310	4.0000e-005	0.0292	0.0292	0.0000	81.0348	81.0348	8.5500e-003	0.0000	81.2143

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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
Total	2.8800e-003	7.9200e-003	0.0406	5.0000e-005	3.5143	1.0000e-004	3.5144	0.3511	9.0000e-005	0.3512	0.0000	4.0391	4.0391	2.6000e-004	0.0000	4.0445

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
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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
Total		0.0000	0.0000	0.0000	0.0000

5.3 Energy by Land Use - Electricity

Mitigated

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

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.4356	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
Total	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

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
Total	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

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
Total		0.0000	0.0000	0.0000	0.0000

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
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

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

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
Total		0.3289	0.0194	0.0000	0.7370

9.0 Operational Offroad

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

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

1.0 Project Characteristics

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

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

Utility Company

CO2 Intensity (lb/MWhr)	0	CH4 Intensity (lb/MWhr)	0	N2O Intensity (lb/MWhr)	0
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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
Total	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

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
Total	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

	ROG	NOx	CO	SO2	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	0.01	0.00	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	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
Total	18.9390	0.2135	1.0201	1.3800e-003	0.1009	2.4900e-003	0.1034	0.0270	2.2900e-003	0.0293		123.6803	123.6803	7.0900e-003	0.0000	123.8291

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
Total	18.9390	0.2135	1.0201	1.3800e-003	0.1009	2.4900e-003	0.1034	0.0270	2.2900e-003	0.0293		123.6803	123.6803	7.0900e-003	0.0000	123.8291

	ROG	NOx	CO	SO2	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
Total	1.7408	20.0286	9.0080	0.0242	0.0245	0.9292	0.9537	2.7300e-003	0.8848	0.8875		2,706.8382	2,706.8382	0.2856		2,712.8361

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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
Total	0.0974	0.5508	1.2961	2.1300e-003	121.0341	9.1000e-003	121.0432	12.0923	8.3500e-003	12.1007		200.8333	200.8333	9.1800e-003		201.0261

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	1.7408	20.0286	9.0080	0.0242	0.0110	0.9292	0.9402	1.2300e-003	0.8848	0.8860	0.0000	2,706.8382	2,706.8382	0.2856		2,712.8361

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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
Total	0.0974	0.5508	1.2961	2.1300e-003	121.0341	9.1000e-003	121.0432	12.0923	8.3500e-003	12.1007		200.8333	200.8333	9.1800e-003		201.0261

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
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

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

6.0 Area Detail

6.1 Mitigation Measures Area

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

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
Total	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

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

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

1.0 Project Characteristics

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

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

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
Total	3.4572	0.0415	0.2027	2.5000e-004	0.0180	4.5000e-004	0.0184	4.8100e-003	4.2000e-004	5.2300e-003	0.3289	20.0587	20.3875	0.0206	0.0000	20.8202

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
Total	3.4572	0.0415	0.2027	2.5000e-004	0.0180	4.5000e-004	0.0184	4.8100e-003	4.2000e-004	5.2300e-003	0.3289	20.0587	20.3875	0.0206	0.0000	20.8202

	ROG	NOx	CO	SO2	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	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
Total	0.0575	0.6609	0.2973	8.0000e-004	8.1000e-004	0.0307	0.0315	9.0000e-005	0.0292	0.0293	0.0000	81.0349	81.0349	8.5500e-003	0.0000	81.2144

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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
Total	3.3400e-003	0.0192	0.0448	7.0000e-005	3.5895	3.1000e-004	3.5898	0.3587	2.7000e-004	0.3589	0.0000	5.9350	5.9350	2.7000e-004	0.0000	5.9408

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
Total	0.0575	0.6609	0.2973	8.0000e-004	3.6000e-004	0.0307	0.0310	4.0000e-005	0.0292	0.0292	0.0000	81.0348	81.0348	8.5500e-003	0.0000	81.2143

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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
Total	3.3400e-003	0.0192	0.0448	7.0000e-005	3.5895	3.1000e-004	3.5898	0.3587	2.7000e-004	0.3589	0.0000	5.9350	5.9350	2.7000e-004	0.0000	5.9408

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
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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
Total		0.0000	0.0000	0.0000	0.0000

5.3 Energy by Land Use - Electricity

Mitigated

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

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.4356	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
Total	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

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
Total	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

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
Total		0.0000	0.0000	0.0000	0.0000

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
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

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

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
Total		0.3289	0.0194	0.0000	0.7370

9.0 Operational Offroad

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