

Oak Hill Estates Air Quality

Santa Barbara-North of Santa Ynez County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	29.00	Dwelling Unit	16.90	52,200.00	79

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.1	Precipitation Freq (Days)	37
Climate Zone	4			Operational Year	2018
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Land Use - Project Description

Construction Phase - Proejct does not include demolition (site is undeveloped). Architectural coatings modeled as concurrent with building construction.

Grading - Project grading plan.

Vehicle Trips - Based on Oak Hills Estates Traffic and Circulation Study (Penfield & Smith, 2015)

Construction Off-road Equipment Mitigation - Site wetting required by Santa Barbara County Municipal Code Section 14-23 and SBAPCD Fugitive Dust Constrol Measures.

Water Mitigation - Indoor water conservation required by 2014 CalGreen.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	PhaseEndDate	6/15/2018	5/18/2018
tblConstructionPhase	PhaseStartDate	5/19/2018	4/21/2018

tblGrading	MaterialExported	0.00	3,100.00
tblLandUse	LotAcreage	9.42	16.90
tblProjectCharacteristics	OperationalYear	2014	2018
tblVehicleTrips	ST_TR	10.08	9.52
tblVehicleTrips	SU_TR	8.77	9.52
tblVehicleTrips	WD_TR	9.57	9.52

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					
2017	6.4277	73.2906	51.2616	0.0733	18.2346	3.3618	20.9900	9.9753	3.0928	12.5103	0.0000	7,418.9556	7,418.9556	1.9500	0.0000	7,459.9047
2018	84.6848	25.5094	20.2667	0.0315	0.1403	1.6479	1.7726	0.0372	1.5582	1.5915	0.0000	3,030.0911	3,030.0911	0.7053	0.0000	3,044.9015
Total	91.1125	98.7999	71.5283	0.1047	18.3750	5.0097	22.7627	10.0126	4.6510	14.1018	0.0000	10,449.0467	10,449.0467	2.6552	0.0000	10,504.8062

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					
2017	6.4277	73.2906	51.2616	0.0733	7.2142	3.3618	9.9696	3.9176	3.0928	6.4526	0.0000	7,418.9555	7,418.9555	1.9500	0.0000	7,459.9047
2018	84.6848	25.5094	20.2667	0.0315	0.1403	1.6479	1.7726	0.0372	1.5582	1.5915	0.0000	3,030.0911	3,030.0911	0.7053	0.0000	3,044.9015

Total	91.1125	98.7999	71.5283	0.1047	7.3545	5.0097	11.7423	3.9548	4.6510	8.0441	0.0000	10,449.04 67	10,449.046 7	2.6552	0.0000	10,504.806 2
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	59.98	0.00	48.41	60.50	0.00	42.96	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.6388	0.0280	2.4095	1.3000e-004		0.0132	0.0132		0.0132	0.0132	0.0000	4.3080	4.3080	4.2700e-003	0.0000	4.3977
Energy	0.0302	0.2583	0.1099	1.6500e-003		0.0209	0.0209		0.0209	0.0209		329.8004	329.8004	6.3200e-003	6.0500e-003	331.8075
Mobile	0.9427	2.3128	10.2329	0.0216	1.6145	0.0286	1.6430	0.4316	0.0263	0.4579		1,771.0886	1,771.0886	0.0773		1,772.7114
Total	2.6117	2.5991	12.7522	0.0234	1.6145	0.0626	1.6771	0.4316	0.0603	0.4919	0.0000	2,105.1971	2,105.1971	0.0879	6.0500e-003	2,108.9166

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.6388	0.0280	2.4095	1.3000e-004		0.0132	0.0132		0.0132	0.0132	0.0000	4.3080	4.3080	4.2700e-003	0.0000	4.3977
Energy	0.0302	0.2583	0.1099	1.6500e-003		0.0209	0.0209		0.0209	0.0209		329.8004	329.8004	6.3200e-003	6.0500e-003	331.8075
Mobile	0.9427	2.3128	10.2329	0.0216	1.6145	0.0286	1.6430	0.4316	0.0263	0.4579		1,771.0886	1,771.0886	0.0773		1,772.7114

Total	2.6117	2.5991	12.7522	0.0234	1.6145	0.0626	1.6771	0.4316	0.0603	0.4919	0.0000	2,105.1971	2,105.1971	0.0879	6.0500e-003	2,108.9166
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/28/2017	2/10/2017	5	10	
2	Grading	Grading	2/11/2017	3/24/2017	5	30	
3	Building Construction	Building Construction	3/25/2017	5/18/2018	5	300	
4	Architectural Coating	Architectural Coating	4/21/2018	5/18/2018	5	20	
5	Paving	Paving	5/19/2018	6/15/2018	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 105,705; Residential Outdoor: 35,235; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Excavators	2	8.00	162	0.38
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	125	0.42

Category	lb/day										lb/day				
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000		0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339		4,003.0859	4,003.0859	1.2265	4,028.8432
Total	4.8382	51.7535	39.3970	0.0391	18.0663	2.7542	20.8205	9.9307	2.5339	12.4646		4,003.0859	4,003.0859	1.2265	4,028.8432

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0630	0.1023	0.9471	1.8300e-003	0.1684	1.1900e-003	0.1696	0.0447	1.0900e-003	0.0458		146.4459	146.4459	8.3200e-003		146.6207
Total	0.0630	0.1023	0.9471	1.8300e-003	0.1684	1.1900e-003	0.1696	0.0447	1.0900e-003	0.0458		146.4459	146.4459	8.3200e-003		146.6207

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432

Total	4.8382	51.7535	39.3970	0.0391	7.0458	2.7542	9.8001	3.8730	2.5339	6.4069	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0630	0.1023	0.9471	1.8300e-003	0.1684	1.1900e-003	0.1696	0.0447	1.0900e-003	0.0458		146.4459	146.4459	8.3200e-003		146.6207
Total	0.0630	0.1023	0.9471	1.8300e-003	0.1684	1.1900e-003	0.1696	0.0447	1.0900e-003	0.0458		146.4459	146.4459	8.3200e-003		146.6207

3.3 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6916	0.0000	8.6916	3.5993	0.0000	3.5993			0.0000			0.0000
Off-Road	6.0991	69.5920	46.8050	0.0617		3.3172	3.3172		3.0518	3.0518		6,313.3690	6,313.3690	1.9344		6,353.9915
Total	6.0991	69.5920	46.8050	0.0617	8.6916	3.3172	12.0088	3.5993	3.0518	6.6511		6,313.3690	6,313.3690	1.9344		6,353.9915

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2586	3.5849	3.4042	9.5200e-003	0.2238	0.0433	0.2671	0.0612	0.0398	0.1010		942.8689	942.8689	6.3100e-003		943.0013
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	0.0700	0.1137	1.0523	2.0300e-003	0.1871	1.3200e-003	0.1884	0.0496	1.2100e-003	0.0508		162.7177	162.7177	9.2500e-003		162.9119
Total	0.3286	3.6986	4.4566	0.0116	0.4109	0.0446	0.4555	0.1108	0.0410	0.1518		1,105.5865	1,105.5865	0.0156		1,105.9132

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3897	0.0000	3.3897	1.4037	0.0000	1.4037			0.0000			0.0000
Off-Road	6.0991	69.5920	46.8050	0.0617		3.3172	3.3172		3.0518	3.0518	0.0000	6,313.3690	6,313.3690	1.9344		6,353.9915
Total	6.0991	69.5920	46.8050	0.0617	3.3897	3.3172	6.7069	1.4037	3.0518	4.4555	0.0000	6,313.3690	6,313.3690	1.9344		6,353.9915

Mitigated Construction Off-Site

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

Hauling	0.2586	3.5849	3.4042	9.5200e-003	0.2238	0.0433	0.2671	0.0612	0.0398	0.1010		942.8689	942.8689	6.3100e-003		943.0013
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	0.0700	0.1137	1.0523	2.0300e-003	0.1871	1.3200e-003	0.1884	0.0496	1.2100e-003	0.0508		162.7177	162.7177	9.2500e-003		162.9119
Total	0.3286	3.6986	4.4566	0.0116	0.4109	0.0446	0.4555	0.1108	0.0410	0.1518		1,105.5865	1,105.5865	0.0156		1,105.9132

3.4 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490
Total	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0272	0.1994	0.3523	4.6000e-004	0.0125	2.5400e-003	0.0150	3.5500e-003	2.3300e-003	5.8800e-003		45.5017	45.5017	3.6000e-004		45.5093
Worker	0.0350	0.0569	0.5262	1.0200e-003	0.0935	6.6000e-004	0.0942	0.0248	6.1000e-004	0.0254		81.3588	81.3588	4.6200e-003		81.4560
Total	0.0622	0.2563	0.8785	1.4800e-003	0.1060	3.2000e-003	0.1092	0.0284	2.9400e-003	0.0313		126.8606	126.8606	4.9800e-003		126.9653

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730	0.0000	2,639.8053	2,639.8053	0.6497		2,653.4490
Total	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730	0.0000	2,639.8053	2,639.8053	0.6497		2,653.4490

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0272	0.1994	0.3523	4.6000e-004	0.0125	2.5400e-003	0.0150	3.5500e-003	2.3300e-003	5.8800e-003		45.5017	45.5017	3.6000e-004		45.5093
Worker	0.0350	0.0569	0.5262	1.0200e-003	0.0935	6.6000e-004	0.0942	0.0248	6.1000e-004	0.0254		81.3588	81.3588	4.6200e-003		81.4560
Total	0.0622	0.2563	0.8785	1.4800e-003	0.1060	3.2000e-003	0.1092	0.0284	2.9400e-003	0.0313		126.8606	126.8606	4.9800e-003		126.9653

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517
Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0241	0.1823	0.3235	4.6000e-004	0.0125	2.3300e-003	0.0148	3.5500e-003	2.1400e-003	5.7000e-003		44.7175	44.7175	3.6000e-004		44.7249
Worker	0.0302	0.0504	0.4637	1.0100e-003	0.0935	6.3000e-004	0.0942	0.0248	5.8000e-004	0.0254		78.3218	78.3218	4.1800e-003		78.4096
Total	0.0543	0.2327	0.7871	1.4700e-003	0.1060	2.9600e-003	0.1090	0.0284	2.7200e-003	0.0311		123.0393	123.0393	4.5400e-003		123.1346

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048	0.0000	2,609.9389	2,609.9389	0.6387		2,623.3517

Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048	0.0000	2,609.9389	2,609.9389	0.6387		2,623.3517
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0241	0.1823	0.3235	4.6000e-004	0.0125	2.3300e-003	0.0148	3.5500e-003	2.1400e-003	5.7000e-003		44.7175	44.7175	3.6000e-004		44.7249
Worker	0.0302	0.0504	0.4637	1.0100e-003	0.0935	6.3000e-004	0.0942	0.0248	5.8000e-004	0.0254		78.3218	78.3218	4.1800e-003		78.4096
Total	0.0543	0.2327	0.7871	1.4700e-003	0.1060	2.9600e-003	0.1090	0.0284	2.7200e-003	0.0311		123.0393	123.0393	4.5400e-003		123.1346

3.5 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	81.6571					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102
Total	81.9557	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	6.0500e-003	0.0101	0.0927	2.0000e-004	0.0187	1.3000e-004	0.0188	4.9600e-003	1.2000e-004	5.0800e-003		15.6644	15.6644	8.4000e-004		15.6819
Total	6.0500e-003	0.0101	0.0927	2.0000e-004	0.0187	1.3000e-004	0.0188	4.9600e-003	1.2000e-004	5.0800e-003		15.6644	15.6644	8.4000e-004		15.6819

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	81.6571					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.0102
Total	81.9557	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.0102

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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	6.0500e-003	0.0101	0.0927	2.0000e-004	0.0187	1.3000e-004	0.0188	4.9600e-003	1.2000e-004	5.0800e-003	15.6644	15.6644	8.4000e-004	15.6819	
Total	6.0500e-003	0.0101	0.0927	2.0000e-004	0.0187	1.3000e-004	0.0188	4.9600e-003	1.2000e-004	5.0800e-003	15.6644	15.6644	8.4000e-004	15.6819	

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635		2,245.2695	2,245.2695	0.6990		2,259.9481
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635		2,245.2695	2,245.2695	0.6990		2,259.9481

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0454	0.0756	0.6955	1.5200e-003	0.1403	9.4000e-004	0.1413	0.0372	8.7000e-004	0.0381		117.4827	117.4827	6.2700e-003		117.6144
Total	0.0454	0.0756	0.6955	1.5200e-003	0.1403	9.4000e-004	0.1413	0.0372	8.7000e-004	0.0381		117.4827	117.4827	6.2700e-003		117.6144

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635	0.0000	2,245.2695	2,245.2695	0.6990		2,259.9481
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635	0.0000	2,245.2695	2,245.2695	0.6990		2,259.9481

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0454	0.0756	0.6955	1.5200e-003	0.1403	9.4000e-004	0.1413	0.0372	8.7000e-004	0.0381		117.4827	117.4827	6.2700e-003		117.6144
Total	0.0454	0.0756	0.6955	1.5200e-003	0.1403	9.4000e-004	0.1413	0.0372	8.7000e-004	0.0381		117.4827	117.4827	6.2700e-003		117.6144

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	0.9427	2.3128	10.2329	0.0216	1.6145	0.0286	1.6430	0.4316	0.0263	0.4579		1,771.0886	1,771.0886	0.0773		1,772.7114
Unmitigated	0.9427	2.3128	10.2329	0.0216	1.6145	0.0286	1.6430	0.4316	0.0263	0.4579		1,771.0886	1,771.0886	0.0773		1,772.7114

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	276.08	276.08	276.08	761,741	761,741
Total	276.08	276.08	276.08	761,741	761,741

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
Single Family Housing	12.30	5.90	6.40	37.50	15.00	47.50	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.488429	0.036082	0.211732	0.154985	0.049882	0.007459	0.020077	0.014399	0.001917	0.002182	0.008131	0.001589	0.003135

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0302	0.2583	0.1099	1.6500e-003		0.0209	0.0209		0.0209	0.0209		329.8004	329.8004	6.3200e-003	6.0500e-003	331.8075
NaturalGas Unmitigated	0.0302	0.2583	0.1099	1.6500e-003		0.0209	0.0209		0.0209	0.0209		329.8004	329.8004	6.3200e-003	6.0500e-003	331.8075

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					
Single Family Housing	2803.3	0.0302	0.2583	0.1099	1.6500e-003		0.0209	0.0209		0.0209	0.0209		329.8004	329.8004	6.3200e-003	6.0500e-003	331.8075
Total		0.0302	0.2583	0.1099	1.6500e-003		0.0209	0.0209		0.0209	0.0209		329.8004	329.8004	6.3200e-003	6.0500e-003	331.8075

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					
Single Family Housing	2.8033	0.0302	0.2583	0.1099	1.6500e-003		0.0209	0.0209		0.0209	0.0209		329.8004	329.8004	6.3200e-003	6.0500e-003	331.8075
Total		0.0302	0.2583	0.1099	1.6500e-003		0.0209	0.0209		0.0209	0.0209		329.8004	329.8004	6.3200e-003	6.0500e-003	331.8075

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.6388	0.0280	2.4095	1.3000e-004		0.0132	0.0132		0.0132	0.0132	0.0000	4.3080	4.3080	4.2700e-003	0.0000	4.3977
Unmitigated	1.6388	0.0280	2.4095	1.3000e-004		0.0132	0.0132		0.0132	0.0132	0.0000	4.3080	4.3080	4.2700e-003	0.0000	4.3977

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	1.1171					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0743	0.0280	2.4095	1.3000e-004		0.0132	0.0132		0.0132	0.0132		4.3080	4.3080	4.2700e-003		4.3977
Architectural Coating	0.4474					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6388	0.0280	2.4095	1.3000e-004		0.0132	0.0132		0.0132	0.0132	0.0000	4.3080	4.3080	4.2700e-003	0.0000	4.3977

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	1.1171					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0743	0.0280	2.4095	1.3000e-004		0.0132	0.0132		0.0132	0.0132		4.3080	4.3080	4.2700e-003		4.3977
Architectural Coating	0.4474					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6388	0.0280	2.4095	1.3000e-004		0.0132	0.0132		0.0132	0.0132	0.0000	4.3080	4.3080	4.2700e-003	0.0000	4.3977

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

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

Oak Hill Estates Air Quality

Santa Barbara-North of Santa Ynez County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	29.00	Dwelling Unit	16.90	52,200.00	79

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.1	Precipitation Freq (Days)	37
Climate Zone	4			Operational Year	2018
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Land Use - Project Description

Construction Phase - Proejct does not include demolition (site is undeveloped). Architectural coatings modeled as concurrent with building construction.

Grading - Project grading plan.

Vehicle Trips - Based on Oak Hills Estates Traffic and Circulation Study (Penfield & Smith, 2015)

Construction Off-road Equipment Mitigation - Site wetting required by Santa Barbara County Municipal Code Section 14-23 and SBAPCD Fugitive Dust Constrol Measures.

Water Mitigation - Indoor water conservation required by 2014 CalGreen.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	PhaseEndDate	6/15/2018	5/18/2018
tblConstructionPhase	PhaseStartDate	5/19/2018	4/21/2018
tblGrading	MaterialExported	0.00	3,100.00

tblLandUse	LotAcreage	9.42	16.90
tblProjectCharacteristics	OperationalYear	2014	2018
tblVehicleTrips	ST_TR	10.08	9.52
tblVehicleTrips	SU_TR	8.77	9.52
tblVehicleTrips	WD_TR	9.57	9.52

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					
2017	6.4734	73.3966	52.3036	0.0732	18.2346	3.3620	20.9900	9.9753	3.0930	12.5103	0.0000	7,412.9442	7,412.9442	1.9501	0.0000	7,453.8953
2018	84.6932	25.5207	20.4376	0.0314	0.1403	1.6480	1.7727	0.0372	1.5582	1.5915	0.0000	3,027.3820	3,027.3820	0.7053	0.0000	3,042.1924
Total	91.1666	98.9173	72.7411	0.1046	18.3750	5.0099	22.7627	10.0126	4.6512	14.1019	0.0000	10,440.3262	10,440.3262	2.6553	0.0000	10,496.0876

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					
2017	6.4734	73.3966	52.3036	0.0732	7.2142	3.3620	9.9696	3.9176	3.0930	6.4526	0.0000	7,412.9442	7,412.9442	1.9501	0.0000	7,453.8953
2018	84.6932	25.5207	20.4376	0.0314	0.1403	1.6480	1.7727	0.0372	1.5582	1.5915	0.0000	3,027.3820	3,027.3820	0.7053	0.0000	3,042.1924

Total	91.1666	98.9173	72.7411	0.1046	7.3545	5.0099	11.7423	3.9548	4.6512	8.0441	0.0000	10,440.3262	10,440.3262	2.6553	0.0000	10,496.0876
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	59.98	0.00	48.41	60.50	0.00	42.96	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.6388	0.0280	2.4095	1.3000e-004		0.0132	0.0132		0.0132	0.0132	0.0000	4.3080	4.3080	4.2700e-003	0.0000	4.3977
Energy	0.0302	0.2583	0.1099	1.6500e-003		0.0209	0.0209		0.0209	0.0209		329.8004	329.8004	6.3200e-003	6.0500e-003	331.8075
Mobile	1.0290	2.4771	11.4280	0.0212	1.6145	0.0287	1.6432	0.4316	0.0265	0.4580		1,739.2572	1,739.2572	0.0773		1,740.8810
Total	2.6981	2.7635	13.9474	0.0230	1.6145	0.0628	1.6772	0.4316	0.0605	0.4921	0.0000	2,073.3657	2,073.3657	0.0879	6.0500e-003	2,077.0862

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.6388	0.0280	2.4095	1.3000e-004		0.0132	0.0132		0.0132	0.0132	0.0000	4.3080	4.3080	4.2700e-003	0.0000	4.3977
Energy	0.0302	0.2583	0.1099	1.6500e-003		0.0209	0.0209		0.0209	0.0209		329.8004	329.8004	6.3200e-003	6.0500e-003	331.8075
Mobile	1.0290	2.4771	11.4280	0.0212	1.6145	0.0287	1.6432	0.4316	0.0265	0.4580		1,739.2572	1,739.2572	0.0773		1,740.8810

Total	2.6981	2.7635	13.9474	0.0230	1.6145	0.0628	1.6772	0.4316	0.0605	0.4921	0.0000	2,073.3657	2,073.3657	0.0879	6.0500e-003	2,077.0862
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/28/2017	2/10/2017	5	10	
2	Grading	Grading	2/11/2017	3/24/2017	5	30	
3	Building Construction	Building Construction	3/25/2017	5/18/2018	5	300	
4	Architectural Coating	Architectural Coating	4/21/2018	5/18/2018	5	20	
5	Paving	Paving	5/19/2018	6/15/2018	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 105,705; Residential Outdoor: 35,235; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Excavators	2	8.00	162	0.38
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	125	0.42

Category	lb/day										lb/day				
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000		0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339		4,003.0859	4,003.0859	1.2265	4,028.8432
Total	4.8382	51.7535	39.3970	0.0391	18.0663	2.7542	20.8205	9.9307	2.5339	12.4646		4,003.0859	4,003.0859	1.2265	4,028.8432

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0687	0.1169	0.9914	1.7900e-003	0.1684	1.1900e-003	0.1696	0.0447	1.0900e-003	0.0458		143.0591	143.0591	8.3200e-003		143.2339
Total	0.0687	0.1169	0.9914	1.7900e-003	0.1684	1.1900e-003	0.1696	0.0447	1.0900e-003	0.0458		143.0591	143.0591	8.3200e-003		143.2339

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432

Total	4.8382	51.7535	39.3970	0.0391	7.0458	2.7542	9.8001	3.8730	2.5339	6.4069	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0687	0.1169	0.9914	1.7900e-003	0.1684	1.1900e-003	0.1696	0.0447	1.0900e-003	0.0458		143.0591	143.0591	8.3200e-003		143.2339
Total	0.0687	0.1169	0.9914	1.7900e-003	0.1684	1.1900e-003	0.1696	0.0447	1.0900e-003	0.0458		143.0591	143.0591	8.3200e-003		143.2339

3.3 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6916	0.0000	8.6916	3.5993	0.0000	3.5993			0.0000			0.0000
Off-Road	6.0991	69.5920	46.8050	0.0617		3.3172	3.3172		3.0518	3.0518		6,313.3690	6,313.3690	1.9344		6,353.9915
Total	6.0991	69.5920	46.8050	0.0617	8.6916	3.3172	12.0088	3.5993	3.0518	6.6511		6,313.3690	6,313.3690	1.9344		6,353.9915

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2980	3.6748	4.3970	9.5200e-003	0.2238	0.0435	0.2673	0.0612	0.0400	0.1011		940.6206	940.6206	6.4000e-003		940.7549
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	0.0763	0.1299	1.1015	1.9900e-003	0.1871	1.3200e-003	0.1884	0.0496	1.2100e-003	0.0508		158.9546	158.9546	9.2500e-003		159.1488
Total	0.3743	3.8047	5.4985	0.0115	0.4109	0.0448	0.4557	0.1108	0.0412	0.1520		1,099.5752	1,099.5752	0.0157		1,099.9038

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3897	0.0000	3.3897	1.4037	0.0000	1.4037			0.0000			0.0000
Off-Road	6.0991	69.5920	46.8050	0.0617		3.3172	3.3172		3.0518	3.0518	0.0000	6,313.3690	6,313.3690	1.9344		6,353.9915
Total	6.0991	69.5920	46.8050	0.0617	3.3897	3.3172	6.7069	1.4037	3.0518	4.4555	0.0000	6,313.3690	6,313.3690	1.9344		6,353.9915

Mitigated Construction Off-Site

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

Hauling	0.2980	3.6748	4.3970	9.5200e-003	0.2238	0.0435	0.2673	0.0612	0.0400	0.1011		940.6206	940.6206	6.4000e-003		940.7549
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	0.0763	0.1299	1.1015	1.9900e-003	0.1871	1.3200e-003	0.1884	0.0496	1.2100e-003	0.0508		158.9546	158.9546	9.2500e-003		159.1488
Total	0.3743	3.8047	5.4985	0.0115	0.4109	0.0448	0.4557	0.1108	0.0412	0.1520		1,099.5752	1,099.5752	0.0157		1,099.9038

3.4 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490
Total	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0336	0.2023	0.5057	4.6000e-004	0.0125	2.5800e-003	0.0151	3.5500e-003	2.3800e-003	5.9300e-003		44.9619	44.9619	3.8000e-004		44.9698
Worker	0.0381	0.0650	0.5508	9.9000e-004	0.0935	6.6000e-004	0.0942	0.0248	6.1000e-004	0.0254		79.4773	79.4773	4.6200e-003		79.5744
Total	0.0718	0.2673	1.0564	1.4500e-003	0.1060	3.2400e-003	0.1093	0.0284	2.9900e-003	0.0314		124.4392	124.4392	5.0000e-003		124.5442

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730	0.0000	2,639.8053	2,639.8053	0.6497		2,653.4490
Total	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730	0.0000	2,639.8053	2,639.8053	0.6497		2,653.4490

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0336	0.2023	0.5057	4.6000e-004	0.0125	2.5800e-003	0.0151	3.5500e-003	2.3800e-003	5.9300e-003		44.9619	44.9619	3.8000e-004		44.9698
Worker	0.0381	0.0650	0.5508	9.9000e-004	0.0935	6.6000e-004	0.0942	0.0248	6.1000e-004	0.0254		79.4773	79.4773	4.6200e-003		79.5744
Total	0.0718	0.2673	1.0564	1.4500e-003	0.1060	3.2400e-003	0.1093	0.0284	2.9900e-003	0.0314		124.4392	124.4392	5.0000e-003		124.5442

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517
Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0294	0.1849	0.4731	4.6000e-004	0.0125	2.3800e-003	0.0149	3.5500e-003	2.1900e-003	5.7400e-003		44.1855	44.1855	3.7000e-004		44.1933
Worker	0.0328	0.0576	0.4813	9.9000e-004	0.0935	6.3000e-004	0.0942	0.0248	5.8000e-004	0.0254		76.5075	76.5075	4.1800e-003		76.5953
Total	0.0622	0.2426	0.9544	1.4500e-003	0.1060	3.0100e-003	0.1090	0.0284	2.7700e-003	0.0311		120.6930	120.6930	4.5500e-003		120.7886

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048	0.0000	2,609.9389	2,609.9389	0.6387		2,623.3517

Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048	0.0000	2,609.9389	2,609.9389	0.6387		2,623.3517
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0294	0.1849	0.4731	4.6000e-004	0.0125	2.3800e-003	0.0149	3.5500e-003	2.1900e-003	5.7400e-003		44.1855	44.1855	3.7000e-004		44.1933
Worker	0.0328	0.0576	0.4813	9.9000e-004	0.0935	6.3000e-004	0.0942	0.0248	5.8000e-004	0.0254		76.5075	76.5075	4.1800e-003		76.5953
Total	0.0622	0.2426	0.9544	1.4500e-003	0.1060	3.0100e-003	0.1090	0.0284	2.7700e-003	0.0311		120.6930	120.6930	4.5500e-003		120.7886

3.5 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	81.6571					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102
Total	81.9557	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	6.5500e-003	0.0115	0.0963	2.0000e-004	0.0187	1.3000e-004	0.0188	4.9600e-003	1.2000e-004	5.0800e-003		15.3015	15.3015	8.4000e-004		15.3191
Total	6.5500e-003	0.0115	0.0963	2.0000e-004	0.0187	1.3000e-004	0.0188	4.9600e-003	1.2000e-004	5.0800e-003		15.3015	15.3015	8.4000e-004		15.3191

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	81.6571					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.0102
Total	81.9557	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.0102

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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	6.5500e-003	0.0115	0.0963	2.0000e-004	0.0187	1.3000e-004	0.0188	4.9600e-003	1.2000e-004	5.0800e-003	15.3015	15.3015	8.4000e-004	15.3191	
Total	6.5500e-003	0.0115	0.0963	2.0000e-004	0.0187	1.3000e-004	0.0188	4.9600e-003	1.2000e-004	5.0800e-003	15.3015	15.3015	8.4000e-004	15.3191	

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635		2,245.2695	2,245.2695	0.6990		2,259.9481
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635		2,245.2695	2,245.2695	0.6990		2,259.9481

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0491	0.0865	0.7220	1.4900e-003	0.1403	9.4000e-004	0.1413	0.0372	8.7000e-004	0.0381		114.7613	114.7613	6.2700e-003		114.8930
Total	0.0491	0.0865	0.7220	1.4900e-003	0.1403	9.4000e-004	0.1413	0.0372	8.7000e-004	0.0381		114.7613	114.7613	6.2700e-003		114.8930

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635	0.0000	2,245.2695	2,245.2695	0.6990		2,259.9481
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635	0.0000	2,245.2695	2,245.2695	0.6990		2,259.9481

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0491	0.0865	0.7220	1.4900e-003	0.1403	9.4000e-004	0.1413	0.0372	8.7000e-004	0.0381		114.7613	114.7613	6.2700e-003		114.8930
Total	0.0491	0.0865	0.7220	1.4900e-003	0.1403	9.4000e-004	0.1413	0.0372	8.7000e-004	0.0381		114.7613	114.7613	6.2700e-003		114.8930

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	1.0290	2.4771	11.4280	0.0212	1.6145	0.0287	1.6432	0.4316	0.0265	0.4580		1,739.2572	1,739.2572	0.0773		1,740.8810
Unmitigated	1.0290	2.4771	11.4280	0.0212	1.6145	0.0287	1.6432	0.4316	0.0265	0.4580		1,739.2572	1,739.2572	0.0773		1,740.8810

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	276.08	276.08	276.08	761,741	761,741
Total	276.08	276.08	276.08	761,741	761,741

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
Single Family Housing	12.30	5.90	6.40	37.50	15.00	47.50	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.488429	0.036082	0.211732	0.154985	0.049882	0.007459	0.020077	0.014399	0.001917	0.002182	0.008131	0.001589	0.003135

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0302	0.2583	0.1099	1.6500e-003		0.0209	0.0209		0.0209	0.0209		329.8004	329.8004	6.3200e-003	6.0500e-003	331.8075
NaturalGas Unmitigated	0.0302	0.2583	0.1099	1.6500e-003		0.0209	0.0209		0.0209	0.0209		329.8004	329.8004	6.3200e-003	6.0500e-003	331.8075

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					
Single Family Housing	2803.3	0.0302	0.2583	0.1099	1.6500e-003		0.0209	0.0209		0.0209	0.0209		329.8004	329.8004	6.3200e-003	6.0500e-003	331.8075
Total		0.0302	0.2583	0.1099	1.6500e-003		0.0209	0.0209		0.0209	0.0209		329.8004	329.8004	6.3200e-003	6.0500e-003	331.8075

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					
Single Family Housing	2.8033	0.0302	0.2583	0.1099	1.6500e-003		0.0209	0.0209		0.0209	0.0209		329.8004	329.8004	6.3200e-003	6.0500e-003	331.8075
Total		0.0302	0.2583	0.1099	1.6500e-003		0.0209	0.0209		0.0209	0.0209		329.8004	329.8004	6.3200e-003	6.0500e-003	331.8075

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.6388	0.0280	2.4095	1.3000e-004		0.0132	0.0132		0.0132	0.0132	0.0000	4.3080	4.3080	4.2700e-003	0.0000	4.3977
Unmitigated	1.6388	0.0280	2.4095	1.3000e-004		0.0132	0.0132		0.0132	0.0132	0.0000	4.3080	4.3080	4.2700e-003	0.0000	4.3977

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.4474					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1171					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0743	0.0280	2.4095	1.3000e-004		0.0132	0.0132		0.0132	0.0132		4.3080	4.3080	4.2700e-003		4.3977
Total	1.6388	0.0280	2.4095	1.3000e-004		0.0132	0.0132		0.0132	0.0132	0.0000	4.3080	4.3080	4.2700e-003	0.0000	4.3977

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	1.1171					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0743	0.0280	2.4095	1.3000e-004		0.0132	0.0132		0.0132	0.0132		4.3080	4.3080	4.2700e-003		4.3977
Architectural Coating	0.4474					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6388	0.0280	2.4095	1.3000e-004		0.0132	0.0132		0.0132	0.0132	0.0000	4.3080	4.3080	4.2700e-003	0.0000	4.3977

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

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