Costa Mesa Residential

South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Single Family Housing	33	Dwelling Unit

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Utility Company**	Southern California Edison
Climate Zone	8	**Precipitation Freq (Days)**	31		

1.3 User Entered Comments

Project Characteristics -

Land Use -

Construction Phase - Construction Feb '12 - Sep '13

Grading - 3.7 acres disturbed

Demolition -

Construction Off-road Equipment Mitigation -

Off-road Equipment - New Load Factors

Off-road Equipment - New Load Factors

Off-road Equipment - New Load Factors

Off-road Equipment - New Load Factors

Off-road Equipment -

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					
2012	8.88	73.68	40.51	0.08	13.30	3.54	16.84	3.32	3.52	6.84	0.00	8,038.16	0.00	0.78	0.00	8,054.60
2013	13.04	26.61	18.89	0.03	0.20	1.99	2.19	0.00	1.99	2.00	0.00	3,220.36	0.00	0.37	0.00	3,228.10
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

2.1 Overall Construction (Maximum Daily Emission)

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					
2012	8.88	73.68	40.51	0.08	9.80	3.54	13.34	1.42	3.52	4.95	0.00	8,038.16	0.00	0.78	0.00	8,054.60
2013	13.04	26.61	18.89	0.03	0.20	1.99	2.19	0.00	1.99	2.00	0.00	3,220.36	0.00	0.37	0.00	3,228.10
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

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	4.91	0.19	13.76	0.03		0.00	1.76		0.00	1.76	232.87	598.96		0.93	0.01	855.72
Energy	0.04	0.35	0.15	0.00		0.00	0.03		0.00	0.03		449.77		0.01	0.01	452.51
Mobile	1.81	4.31	18.38	0.03	3.13	0.17	3.30	0.04	0.16	0.21		2,991.72		0.14		2,994.69
Total	**6.76**	**4.85**	**32.29**	**0.06**	**3.13**	**0.17**	**5.09**	**0.04**	**0.16**	**2.00**	**232.87**	**4,040.45**		**1.08**	**0.02**	**4,302.92**

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	4.91	0.19	13.76	0.03		0.00	1.76		0.00	1.76	232.87	598.96		0.93	0.01	855.72
Energy	0.04	0.35	0.15	0.00		0.00	0.03		0.00	0.03		449.77		0.01	0.01	452.51
Mobile	1.81	4.31	18.38	0.03	3.13	0.17	3.30	0.04	0.16	0.21		2,991.72		0.14		2,994.69
Total	**6.76**	**4.85**	**32.29**	**0.06**	**3.13**	**0.17**	**5.09**	**0.04**	**0.16**	**2.00**	**232.87**	**4,040.45**		**1.08**	**0.02**	**4,302.92**

3.0 Construction Detail

3.1 Mitigation Measures Construction

Use DPF for Construction Equipment

Replace Ground Cover

Water Exposed Area

3.2 Demolition - 2012

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					1.34	0.00	1.34	0.00	0.00	0.00						0.00
Off-Road	6.60	52.64	31.04	0.05		2.72	2.72		2.72	2.72		5,252.38		0.59		5,264.73
Total	**6.60**	**52.64**	**31.04**	**0.05**	**1.34**	**2.72**	**4.06**	**0.00**	**2.72**	**2.72**		**5,252.38**		**0.59**		**5,264.73**

3.2 Demolition - 2012

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	0.36	3.68	2.01	0.00	3.18	0.16	3.34	0.01	0.15	0.15		512.43		0.02		512.80
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.09	0.09	1.05	0.00	0.20	0.01	0.20	0.00	0.01	0.01		164.24		0.01		164.45
Total	**0.45**	**3.77**	**3.06**	**0.00**	**3.38**	**0.17**	**3.54**	**0.01**	**0.16**	**0.16**		**676.67**		**0.03**		**677.25**

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					0.57	0.00	0.57	0.00	0.00	0.00						0.00
Off-Road	6.60	52.64	31.04	0.05		2.72	2.72		2.72	2.72	0.00	5,252.38		0.59		5,264.73
Total	**6.60**	**52.64**	**31.04**	**0.05**	**0.57**	**2.72**	**3.29**	**0.00**	**2.72**	**2.72**	**0.00**	**5,252.38**		**0.59**		**5,264.73**

3.2 Demolition - 2012

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	0.36	3.68	2.01	0.00	3.18	0.16	3.34	0.01	0.15	0.15		512.43		0.02		512.80
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.09	0.09	1.05	0.00	0.20	0.01	0.20	0.00	0.01	0.01		164.24		0.01		164.45
Total	**0.45**	**3.77**	**3.06**	**0.00**	**3.38**	**0.17**	**3.54**	**0.01**	**0.16**	**0.16**		**676.67**		**0.03**		**677.25**

3.3 Grading - 2012

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					6.11	0.00	6.11	3.31	0.00	3.31						0.00
Off-Road	8.38	69.62	36.96	0.07		3.36	3.36		3.36	3.36		7,272.08		0.75		7,287.85
Total	**8.38**	**69.62**	**36.96**	**0.07**	**6.11**	**3.36**	**9.47**	**3.31**	**3.36**	**6.67**		**7,272.08**		**0.75**		**7,287.85**

3.3 Grading - 2012

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	0.38	3.93	2.15	0.01	6.93	0.17	7.10	0.01	0.16	0.16		547.09		0.02		547.49
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.12	0.12	1.40	0.00	0.26	0.01	0.27	0.00	0.01	0.01		218.98		0.01		219.26
Total	**0.50**	**4.05**	**3.55**	**0.01**	**7.19**	**0.18**	**7.37**	**0.01**	**0.17**	**0.17**		**766.07**		**0.03**		**766.75**

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					2.61	0.00	2.61	1.42	0.00	1.42						0.00
Off-Road	8.38	69.62	36.96	0.07		3.36	3.36		3.36	3.36	0.00	7,272.08		0.75		7,287.85
Total	**8.38**	**69.62**	**36.96**	**0.07**	**2.61**	**3.36**	**5.97**	**1.42**	**3.36**	**4.78**	**0.00**	**7,272.08**		**0.75**		**7,287.85**

3.3 Grading - 2012

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	0.38	3.93	2.15	0.01	6.93	0.17	7.10	0.01	0.16	0.16		547.09		0.02		547.49
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.12	0.12	1.40	0.00	0.26	0.01	0.27	0.00	0.01	0.01		218.98		0.01		219.26
Total	**0.50**	**4.05**	**3.55**	**0.01**	**7.19**	**0.18**	**7.37**	**0.01**	**0.17**	**0.17**		**766.07**		**0.03**		**766.75**

3.4 Building Construction - 2012

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	4.36	27.87	17.95	0.03		1.94	1.94		1.94	1.94		2,982.97		0.39		2,991.20
Total	**4.36**	**27.87**	**17.95**	**0.03**		**1.94**	**1.94**		**1.94**	**1.94**		**2,982.97**		**0.39**		**2,991.20**

3.4 Building Construction - 2012

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.07	0.72	0.44	0.00	0.04	0.03	0.06	0.00	0.02	0.02		108.38		0.00		108.45
Worker	0.07	0.07	0.84	0.00	0.16	0.01	0.16	0.00	0.00	0.01		131.39		0.01		131.56
Total	**0.14**	**0.79**	**1.28**	**0.00**	**0.20**	**0.04**	**0.22**	**0.00**	**0.02**	**0.03**		**239.77**		**0.01**		**240.01**

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	4.36	27.87	17.95	0.03		1.94	1.94		1.94	1.94	0.00	2,982.97		0.39		2,991.20
Total	**4.36**	**27.87**	**17.95**	**0.03**		**1.94**	**1.94**		**1.94**	**1.94**	**0.00**	**2,982.97**		**0.39**		**2,991.20**

3.4 Building Construction - 2012

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.07	0.72	0.44	0.00	0.04	0.03	0.06	0.00	0.02	0.02		108.38		0.00		108.45
Worker	0.07	0.07	0.84	0.00	0.16	0.01	0.16	0.00	0.00	0.01		131.39		0.01		131.56
Total	**0.14**	**0.79**	**1.28**	**0.00**	**0.20**	**0.04**	**0.22**	**0.00**	**0.02**	**0.03**		**239.77**		**0.01**		**240.01**

3.4 Building Construction - 2013

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	4.01	25.89	17.72	0.03		1.74	1.74		1.74	1.74		2,982.97		0.36		2,990.49
Total	**4.01**	**25.89**	**17.72**	**0.03**		**1.74**	**1.74**		**1.74**	**1.74**		**2,982.97**		**0.36**		**2,990.49**

3.4 Building Construction - 2013

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.06	0.65	0.40	0.00	0.04	0.02	0.06	0.00	0.02	0.02		108.67		0.00		108.73
Worker	0.07	0.07	0.77	0.00	0.16	0.01	0.16	0.00	0.00	0.01		128.72		0.01		128.87
Total	**0.13**	**0.72**	**1.17**	**0.00**	**0.20**	**0.03**	**0.22**	**0.00**	**0.02**	**0.03**		**237.39**		**0.01**		**237.60**

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	4.01	25.89	17.72	0.03		1.74	1.74		1.74	1.74	0.00	2,982.97		0.36		2,990.49
Total	**4.01**	**25.89**	**17.72**	**0.03**		**1.74**	**1.74**		**1.74**	**1.74**	**0.00**	**2,982.97**		**0.36**		**2,990.49**

3.4 Building Construction - 2013

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.06	0.65	0.40	0.00	0.04	0.02	0.06	0.00	0.02	0.02		108.67		0.00		108.73
Worker	0.07	0.07	0.77	0.00	0.16	0.01	0.16	0.00	0.00	0.01		128.72		0.01		128.87
Total	**0.13**	**0.72**	**1.17**	**0.00**	**0.20**	**0.03**	**0.22**	**0.00**	**0.02**	**0.03**		**237.39**		**0.01**		**237.60**

3.5 Paving - 2013

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	3.75	22.93	14.17	0.02		1.99	1.99		1.99	1.99		1,979.14		0.34		1,986.20
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	**3.75**	**22.93**	**14.17**	**0.02**		**1.99**	**1.99**		**1.99**	**1.99**		**1,979.14**		**0.34**		**1,986.20**

3.5 Paving - 2013

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.08	0.08	0.97	0.00	0.20	0.01	0.20	0.00	0.01	0.01		160.90		0.01		161.09
Total	**0.08**	**0.08**	**0.97**	**0.00**	**0.20**	**0.01**	**0.20**	**0.00**	**0.01**	**0.01**		**160.90**		**0.01**		**161.09**

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	3.75	22.93	14.17	0.02		1.99	1.99		1.99	1.99	0.00	1,979.14		0.34		1,986.20
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	**3.75**	**22.93**	**14.17**	**0.02**		**1.99**	**1.99**		**1.99**	**1.99**	**0.00**	**1,979.14**		**0.34**		**1,986.20**

3.5 Paving - 2013

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.08	0.08	0.97	0.00	0.20	0.01	0.20	0.00	0.01	0.01		160.90		0.01		161.09
Total	**0.08**	**0.08**	**0.97**	**0.00**	**0.20**	**0.01**	**0.20**	**0.00**	**0.01**	**0.01**		**160.90**		**0.01**		**161.09**

3.6 Architectural Coating - 2013

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	12.55					0.00	0.00		0.00	0.00						0.00
Off-Road	0.49	2.96	1.94	0.00		0.27	0.27		0.27	0.27		281.19		0.04		282.10
Total	**13.04**	**2.96**	**1.94**	**0.00**		**0.27**	**0.27**		**0.27**	**0.27**		**281.19**		**0.04**		**282.10**

3.6 Architectural Coating - 2013

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.01	0.01	0.13	0.00	0.03	0.00	0.03	0.00	0.00	0.00		21.45		0.00		21.48
Total	**0.01**	**0.01**	**0.13**	**0.00**	**0.03**	**0.00**	**0.03**	**0.00**	**0.00**	**0.00**		**21.45**		**0.00**		**21.48**

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	12.55					0.00	0.00		0.00	0.00						0.00
Off-Road	0.49	2.96	1.94	0.00		0.27	0.27		0.27	0.27	0.00	281.19		0.04		282.10
Total	**13.04**	**2.96**	**1.94**	**0.00**		**0.27**	**0.27**		**0.27**	**0.27**	**0.00**	**281.19**		**0.04**		**282.10**

3.6 Architectural Coating - 2013

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.01	0.01	0.13	0.00	0.03	0.00	0.03	0.00	0.00	0.00		21.45		0.00		21.48
Total	**0.01**	**0.01**	**0.13**	**0.00**	**0.03**	**0.00**	**0.03**	**0.00**	**0.00**	**0.00**		**21.45**		**0.00**		**21.48**

4.0 Mobile Detail

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	1.81	4.31	18.38	0.03	3.13	0.17	3.30	0.04	0.16	0.21		2,991.72		0.14		2,994.69
Unmitigated	1.81	4.31	18.38	0.03	3.13	0.17	3.30	0.04	0.16	0.21		2,991.72		0.14		2,994.69
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	315.81	332.64	289.41	893,055	893,055
Total	315.81	332.64	289.41	893,055	893,055

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Single Family Housing	10.80	7.30	7.50	40.20	19.20	40.60

5.0 Energy Detail

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	0.04	0.35	0.15	0.00		0.00	0.03		0.00	0.03		449.77		0.01	0.01	452.51
NaturalGas Unmitigated	0.04	0.35	0.15	0.00		0.00	0.03		0.00	0.03		449.77		0.01	0.01	452.51
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

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	lb/day										lb/day					
Single Family Housing	3823.06	0.04	0.35	0.15	0.00		0.00	0.03		0.00	0.03		449.77		0.01	0.01	452.51
Total		**0.04**	**0.35**	**0.15**	**0.00**		**0.00**	**0.03**		**0.00**	**0.03**		**449.77**		**0.01**	**0.01**	**452.51**

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	lb/day										lb/day					
Single Family Housing	3.82306	0.04	0.35	0.15	0.00		0.00	0.03		0.00	0.03		449.77		0.01	0.01	452.51
Total		**0.04**	**0.35**	**0.15**	**0.00**		**0.00**	**0.03**		**0.00**	**0.03**		**449.77**		**0.01**	**0.01**	**452.51**

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	4.91	0.19	13.76	0.03		0.00	1.76		0.00	1.76	232.87	598.96		0.93	0.01	855.72
Unmitigated	4.91	0.19	13.76	0.03		0.00	1.76		0.00	1.76	232.87	598.96		0.93	0.01	855.72
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

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	0.13					0.00	0.00		0.00	0.00						0.00
Consumer Products	1.18					0.00	0.00		0.00	0.00						0.00
Hearth	3.51	0.16	10.92	0.03		0.00	1.74		0.00	1.74	232.87	594.00		0.92	0.01	850.65
Landscaping	0.09	0.03	2.84	0.00		0.00	0.01		0.00	0.01		4.96		0.01		5.08
Total	**4.91**	**0.19**	**13.76**	**0.03**		**0.00**	**1.75**		**0.00**	**1.75**	**232.87**	**598.96**		**0.93**	**0.01**	**855.73**

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	0.13					0.00	0.00		0.00	0.00						0.00
Consumer Products	1.18					0.00	0.00		0.00	0.00						0.00
Hearth	3.51	0.16	10.92	0.03		0.00	1.74		0.00	1.74	232.87	594.00		0.92	0.01	850.65
Landscaping	0.09	0.03	2.84	0.00		0.00	0.01		0.00	0.01		4.96		0.01		5.08
Total	**4.91**	**0.19**	**13.76**	**0.03**		**0.00**	**1.75**		**0.00**	**1.75**	**232.87**	**598.96**		**0.93**	**0.01**	**855.73**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation

Costa Mesa Residential

South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Single Family Housing	33	Dwelling Unit

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Utility Company**	Southern California Edison
Climate Zone	8	**Precipitation Freq (Days)**	31		

1.3 User Entered Comments

Project Characteristics -

Land Use -

Construction Phase - Construction Feb '12 - Sep '13

Grading - 3.7 acres disturbed

Demolition -

Construction Off-road Equipment Mitigation -

Off-road Equipment - New Load Factors

Off-road Equipment - New Load Factors

Off-road Equipment - New Load Factors

Off-road Equipment - New Load Factors

Off-road Equipment -

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					
2012	8.90	73.92	40.57	0.08	13.30	3.54	16.84	3.32	3.52	6.84	0.00	8,017.30	0.00	0.78	0.00	8,033.74
2013	13.04	26.65	18.89	0.03	0.20	1.99	2.19	0.00	1.99	2.00	0.00	3,208.78	0.00	0.37	0.00	3,216.52
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

2.1 Overall Construction (Maximum Daily Emission)

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					
2012	8.90	73.92	40.57	0.08	9.80	3.54	13.34	1.42	3.52	4.95	0.00	8,017.30	0.00	0.78	0.00	8,033.74
2013	13.04	26.65	18.89	0.03	0.20	1.99	2.19	0.00	1.99	2.00	0.00	3,208.78	0.00	0.37	0.00	3,216.52
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

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	4.91	0.19	13.76	0.03		0.00	1.76		0.00	1.76	232.87	598.96		0.93	0.01	855.72
Energy	0.04	0.35	0.15	0.00		0.00	0.03		0.00	0.03		449.77		0.01	0.01	452.51
Mobile	1.90	4.67	17.92	0.03	3.13	0.17	3.30	0.04	0.16	0.21		2,782.75		0.12		2,785.18
Total	**6.85**	**5.21**	**31.83**	**0.06**	**3.13**	**0.17**	**5.09**	**0.04**	**0.16**	**2.00**	**232.87**	**3,831.48**		**1.06**	**0.02**	**4,093.41**

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	4.91	0.19	13.76	0.03		0.00	1.76		0.00	1.76	232.87	598.96		0.93	0.01	855.72
Energy	0.04	0.35	0.15	0.00		0.00	0.03		0.00	0.03		449.77		0.01	0.01	452.51
Mobile	1.90	4.67	17.92	0.03	3.13	0.17	3.30	0.04	0.16	0.21		2,782.75		0.12		2,785.18
Total	**6.85**	**5.21**	**31.83**	**0.06**	**3.13**	**0.17**	**5.09**	**0.04**	**0.16**	**2.00**	**232.87**	**3,831.48**		**1.06**	**0.02**	**4,093.41**

3.0 Construction Detail

3.1 Mitigation Measures Construction

Use DPF for Construction Equipment

Replace Ground Cover

Water Exposed Area

3.2 Demolition - 2012

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					1.34	0.00	1.34	0.00	0.00	0.00						0.00
Off-Road	6.60	52.64	31.04	0.05		2.72	2.72		2.72	2.72		5,252.38		0.59		5,264.73
Total	**6.60**	**52.64**	**31.04**	**0.05**	**1.34**	**2.72**	**4.06**	**0.00**	**2.72**	**2.72**		**5,252.38**		**0.59**		**5,264.73**

3.2 Demolition - 2012

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	0.37	3.89	2.15	0.00	3.18	0.16	3.34	0.01	0.15	0.16		510.03		0.02		510.40
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.10	0.10	0.99	0.00	0.20	0.01	0.20	0.00	0.01	0.01		150.52		0.01		150.72
Total	**0.47**	**3.99**	**3.14**	**0.00**	**3.38**	**0.17**	**3.54**	**0.01**	**0.16**	**0.17**		**660.55**		**0.03**		**661.12**

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					0.57	0.00	0.57	0.00	0.00	0.00						0.00
Off-Road	6.60	52.64	31.04	0.05		2.72	2.72		2.72	2.72	0.00	5,252.38		0.59		5,264.73
Total	**6.60**	**52.64**	**31.04**	**0.05**	**0.57**	**2.72**	**3.29**	**0.00**	**2.72**	**2.72**	**0.00**	**5,252.38**		**0.59**		**5,264.73**

3.2 Demolition - 2012

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	0.37	3.89	2.15	0.00	3.18	0.16	3.34	0.01	0.15	0.16		510.03		0.02		510.40
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.10	0.10	0.99	0.00	0.20	0.01	0.20	0.00	0.01	0.01		150.52		0.01		150.72
Total	**0.47**	**3.99**	**3.14**	**0.00**	**3.38**	**0.17**	**3.54**	**0.01**	**0.16**	**0.17**		**660.55**		**0.03**		**661.12**

3.3 Grading - 2012

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					6.11	0.00	6.11	3.31	0.00	3.31						0.00
Off-Road	8.38	69.62	36.96	0.07		3.36	3.36		3.36	3.36		7,272.08		0.75		7,287.85
Total	**8.38**	**69.62**	**36.96**	**0.07**	**6.11**	**3.36**	**9.47**	**3.31**	**3.36**	**6.67**		**7,272.08**		**0.75**		**7,287.85**

3.3 Grading - 2012

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	0.39	4.15	2.29	0.01	6.93	0.17	7.10	0.01	0.16	0.17		544.53		0.02		544.93
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.13	0.14	1.32	0.00	0.26	0.01	0.27	0.00	0.01	0.01		200.69		0.01		200.96
Total	**0.52**	**4.29**	**3.61**	**0.01**	**7.19**	**0.18**	**7.37**	**0.01**	**0.17**	**0.18**		**745.22**		**0.03**		**745.89**

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					2.61	0.00	2.61	1.42	0.00	1.42						0.00
Off-Road	8.38	69.62	36.96	0.07		3.36	3.36		3.36	3.36	0.00	7,272.08		0.75		7,287.85
Total	**8.38**	**69.62**	**36.96**	**0.07**	**2.61**	**3.36**	**5.97**	**1.42**	**3.36**	**4.78**	**0.00**	**7,272.08**		**0.75**		**7,287.85**

3.3 Grading - 2012

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	0.39	4.15	2.29	0.01	6.93	0.17	7.10	0.01	0.16	0.17		544.53		0.02		544.93
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.13	0.14	1.32	0.00	0.26	0.01	0.27	0.00	0.01	0.01		200.69		0.01		200.96
Total	**0.52**	**4.29**	**3.61**	**0.01**	**7.19**	**0.18**	**7.37**	**0.01**	**0.17**	**0.18**		**745.22**		**0.03**		**745.89**

3.4 Building Construction - 2012

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	4.36	27.87	17.95	0.03		1.94	1.94		1.94	1.94		2,982.97		0.39		2,991.20
Total	**4.36**	**27.87**	**17.95**	**0.03**		**1.94**	**1.94**		**1.94**	**1.94**		**2,982.97**		**0.39**		**2,991.20**

3.4 Building Construction - 2012

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.07	0.75	0.49	0.00	0.04	0.03	0.06	0.00	0.02	0.02		107.60		0.00		107.67
Worker	0.08	0.08	0.79	0.00	0.16	0.01	0.16	0.00	0.00	0.01		120.42		0.01		120.58
Total	**0.15**	**0.83**	**1.28**	**0.00**	**0.20**	**0.04**	**0.22**	**0.00**	**0.02**	**0.03**		**228.02**		**0.01**		**228.25**

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	4.36	27.87	17.95	0.03		1.94	1.94		1.94	1.94	0.00	2,982.97		0.39		2,991.20
Total	**4.36**	**27.87**	**17.95**	**0.03**		**1.94**	**1.94**		**1.94**	**1.94**	**0.00**	**2,982.97**		**0.39**		**2,991.20**

3.4 Building Construction - 2012

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.07	0.75	0.49	0.00	0.04	0.03	0.06	0.00	0.02	0.02		107.60		0.00		107.67
Worker	0.08	0.08	0.79	0.00	0.16	0.01	0.16	0.00	0.00	0.01		120.42		0.01		120.58
Total	**0.15**	**0.83**	**1.28**	**0.00**	**0.20**	**0.04**	**0.22**	**0.00**	**0.02**	**0.03**		**228.02**		**0.01**		**228.25**

3.4 Building Construction - 2013

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	4.01	25.89	17.72	0.03		1.74	1.74		1.74	1.74		2,982.97		0.36		2,990.49
Total	**4.01**	**25.89**	**17.72**	**0.03**		**1.74**	**1.74**		**1.74**	**1.74**		**2,982.97**		**0.36**		**2,990.49**

3.4 Building Construction - 2013

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.06	0.68	0.45	0.00	0.04	0.02	0.06	0.00	0.02	0.02		107.86		0.00		107.93
Worker	0.07	0.08	0.72	0.00	0.16	0.01	0.16	0.00	0.00	0.01		117.94		0.01		118.09
Total	**0.13**	**0.76**	**1.17**	**0.00**	**0.20**	**0.03**	**0.22**	**0.00**	**0.02**	**0.03**		**225.80**		**0.01**		**226.02**

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	4.01	25.89	17.72	0.03		1.74	1.74		1.74	1.74	0.00	2,982.97		0.36		2,990.49
Total	**4.01**	**25.89**	**17.72**	**0.03**		**1.74**	**1.74**		**1.74**	**1.74**	**0.00**	**2,982.97**		**0.36**		**2,990.49**

3.4 Building Construction - 2013

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.06	0.68	0.45	0.00	0.04	0.02	0.06	0.00	0.02	0.02		107.86		0.00		107.93
Worker	0.07	0.08	0.72	0.00	0.16	0.01	0.16	0.00	0.00	0.01		117.94		0.01		118.09
Total	**0.13**	**0.76**	**1.17**	**0.00**	**0.20**	**0.03**	**0.22**	**0.00**	**0.02**	**0.03**		**225.80**		**0.01**		**226.02**

3.5 Paving - 2013

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	3.75	22.93	14.17	0.02		1.99	1.99		1.99	1.99		1,979.14		0.34		1,986.20
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	**3.75**	**22.93**	**14.17**	**0.02**		**1.99**	**1.99**		**1.99**	**1.99**		**1,979.14**		**0.34**		**1,986.20**

3.5 Paving - 2013

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.09	0.10	0.90	0.00	0.20	0.01	0.20	0.00	0.01	0.01		147.43		0.01		147.62
Total	**0.09**	**0.10**	**0.90**	**0.00**	**0.20**	**0.01**	**0.20**	**0.00**	**0.01**	**0.01**		**147.43**		**0.01**		**147.62**

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	3.75	22.93	14.17	0.02		1.99	1.99		1.99	1.99	0.00	1,979.14		0.34		1,986.20
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	**3.75**	**22.93**	**14.17**	**0.02**		**1.99**	**1.99**		**1.99**	**1.99**	**0.00**	**1,979.14**		**0.34**		**1,986.20**

3.5 Paving - 2013

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.09	0.10	0.90	0.00	0.20	0.01	0.20	0.00	0.01	0.01		147.43		0.01		147.62
Total	**0.09**	**0.10**	**0.90**	**0.00**	**0.20**	**0.01**	**0.20**	**0.00**	**0.01**	**0.01**		**147.43**		**0.01**		**147.62**

3.6 Architectural Coating - 2013

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	12.55					0.00	0.00		0.00	0.00						0.00
Off-Road	0.49	2.96	1.94	0.00		0.27	0.27		0.27	0.27		281.19		0.04		282.10
Total	**13.04**	**2.96**	**1.94**	**0.00**		**0.27**	**0.27**		**0.27**	**0.27**		**281.19**		**0.04**		**282.10**

3.6 Architectural Coating - 2013

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.01	0.01	0.12	0.00	0.03	0.00	0.03	0.00	0.00	0.00		19.66		0.00		19.68
Total	**0.01**	**0.01**	**0.12**	**0.00**	**0.03**	**0.00**	**0.03**	**0.00**	**0.00**	**0.00**		**19.66**		**0.00**		**19.68**

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	12.55					0.00	0.00		0.00	0.00						0.00
Off-Road	0.49	2.96	1.94	0.00		0.27	0.27		0.27	0.27	0.00	281.19		0.04		282.10
Total	**13.04**	**2.96**	**1.94**	**0.00**		**0.27**	**0.27**		**0.27**	**0.27**	**0.00**	**281.19**		**0.04**		**282.10**

3.6 Architectural Coating - 2013

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.01	0.01	0.12	0.00	0.03	0.00	0.03	0.00	0.00	0.00		19.66		0.00		19.68
Total	**0.01**	**0.01**	**0.12**	**0.00**	**0.03**	**0.00**	**0.03**	**0.00**	**0.00**	**0.00**		**19.66**		**0.00**		**19.68**

4.0 Mobile Detail

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	1.90	4.67	17.92	0.03	3.13	0.17	3.30	0.04	0.16	0.21		2,782.75		0.12		2,785.18
Unmitigated	1.90	4.67	17.92	0.03	3.13	0.17	3.30	0.04	0.16	0.21		2,782.75		0.12		2,785.18
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	315.81	332.64	289.41	893,055	893,055
Total	315.81	332.64	289.41	893,055	893,055

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Single Family Housing	10.80	7.30	7.50	40.20	19.20	40.60

5.0 Energy Detail

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	0.04	0.35	0.15	0.00		0.00	0.03		0.00	0.03		449.77		0.01	0.01	452.51
NaturalGas Unmitigated	0.04	0.35	0.15	0.00		0.00	0.03		0.00	0.03		449.77		0.01	0.01	452.51
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

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	lb/day										lb/day					
Single Family Housing	3823.06	0.04	0.35	0.15	0.00		0.00	0.03		0.00	0.03		449.77		0.01	0.01	452.51
Total		**0.04**	**0.35**	**0.15**	**0.00**		**0.00**	**0.03**		**0.00**	**0.03**		**449.77**		**0.01**	**0.01**	**452.51**

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	lb/day										lb/day					
Single Family Housing	3.82306	0.04	0.35	0.15	0.00		0.00	0.03		0.00	0.03		449.77		0.01	0.01	452.51
Total		**0.04**	**0.35**	**0.15**	**0.00**		**0.00**	**0.03**		**0.00**	**0.03**		**449.77**		**0.01**	**0.01**	**452.51**

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	4.91	0.19	13.76	0.03		0.00	1.76		0.00	1.76	232.87	598.96		0.93	0.01	855.72
Unmitigated	4.91	0.19	13.76	0.03		0.00	1.76		0.00	1.76	232.87	598.96		0.93	0.01	855.72
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

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	0.13					0.00	0.00		0.00	0.00						0.00
Consumer Products	1.18					0.00	0.00		0.00	0.00						0.00
Hearth	3.51	0.16	10.92	0.03		0.00	1.74		0.00	1.74	232.87	594.00		0.92	0.01	850.65
Landscaping	0.09	0.03	2.84	0.00		0.00	0.01		0.00	0.01		4.96		0.01		5.08
Total	**4.91**	**0.19**	**13.76**	**0.03**		**0.00**	**1.75**		**0.00**	**1.75**	**232.87**	**598.96**		**0.93**	**0.01**	**855.73**

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	0.13					0.00	0.00		0.00	0.00						0.00
Consumer Products	1.18					0.00	0.00		0.00	0.00						0.00
Hearth	3.51	0.16	10.92	0.03		0.00	1.74		0.00	1.74	232.87	594.00		0.92	0.01	850.65
Landscaping	0.09	0.03	2.84	0.00		0.00	0.01		0.00	0.01		4.96		0.01		5.08
Total	**4.91**	**0.19**	**13.76**	**0.03**		**0.00**	**1.75**		**0.00**	**1.75**	**232.87**	**598.96**		**0.93**	**0.01**	**855.73**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation

Costa Mesa Residential

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Single Family Housing	33	Dwelling Unit

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Utility Company**	Southern California Edison
Climate Zone	8	**Precipitation Freq (Days)**	31		

1.3 User Entered Comments

Project Characteristics -

Land Use -

Construction Phase - Construction Feb '12 - Sep '13

Grading - 3.7 acres disturbed

Demolition -

Construction Off-road Equipment Mitigation -

Off-road Equipment - New Load Factors

Off-road Equipment - New Load Factors

Off-road Equipment - New Load Factors

Off-road Equipment - New Load Factors

Off-road Equipment -

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2012	0.66	4.73	2.93	0.01	0.35	0.28	0.63	0.08	0.28	0.36	0.00	472.09	472.09	0.05	0.00	473.21
2013	0.56	2.09	1.47	0.00	0.01	0.15	0.16	0.00	0.15	0.15	0.00	220.04	220.04	0.03	0.00	220.60
Total	**1.22**	**6.82**	**4.40**	**0.01**	**0.36**	**0.43**	**0.79**	**0.08**	**0.43**	**0.51**	**0.00**	**692.13**	**692.13**	**0.08**	**0.00**	**693.81**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2012	0.66	4.73	2.93	0.01	0.26	0.28	0.54	0.03	0.28	0.31	0.00	472.09	472.09	0.05	0.00	473.21
2013	0.56	2.09	1.47	0.00	0.01	0.15	0.16	0.00	0.15	0.15	0.00	220.04	220.04	0.03	0.00	220.60
Total	**1.22**	**6.82**	**4.40**	**0.01**	**0.27**	**0.43**	**0.70**	**0.03**	**0.43**	**0.46**	**0.00**	**692.13**	**692.13**	**0.08**	**0.00**	**693.81**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.36	0.01	0.73	0.00		0.00	0.04		0.00	0.04	3.51	21.03	24.53	0.01	0.00	24.93
Energy	0.01	0.06	0.03	0.00		0.00	0.01		0.00	0.01	0.00	136.41	136.41	0.00	0.00	137.25
Mobile	0.31	0.75	3.13	0.00	0.49	0.03	0.51	0.01	0.03	0.04	0.00	444.23	444.23	0.02	0.00	444.70
Waste						0.00	0.00		0.00	0.00	7.82	0.00	7.82	0.46	0.00	17.53
Water						0.00	0.00		0.00	0.00	0.00	12.55	12.55	0.07	0.00	14.51
Total	**0.68**	**0.82**	**3.89**	**0.00**	**0.49**	**0.03**	**0.56**	**0.01**	**0.03**	**0.09**	**11.33**	**614.22**	**625.54**	**0.56**	**0.00**	**638.92**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.36	0.01	0.73	0.00		0.00	0.04		0.00	0.04	3.51	21.03	24.53	0.01	0.00	24.93
Energy	0.01	0.06	0.03	0.00		0.00	0.01		0.00	0.01	0.00	136.41	136.41	0.00	0.00	137.25
Mobile	0.31	0.75	3.13	0.00	0.49	0.03	0.51	0.01	0.03	0.04	0.00	444.23	444.23	0.02	0.00	444.70
Waste						0.00	0.00		0.00	0.00	7.82	0.00	7.82	0.46	0.00	17.53
Water						0.00	0.00		0.00	0.00	0.00	12.55	12.55	0.07	0.00	14.51
Total	**0.68**	**0.82**	**3.89**	**0.00**	**0.49**	**0.03**	**0.56**	**0.01**	**0.03**	**0.09**	**11.33**	**614.22**	**625.54**	**0.56**	**0.00**	**638.92**

3.0 Construction Detail

3.1 Mitigation Measures Construction

Use DPF for Construction Equipment

Replace Ground Cover

Water Exposed Area

3.2 Demolition - 2012

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					0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.07	0.58	0.34	0.00		0.03	0.03		0.03	0.03	0.00	52.40	52.40	0.01	0.00	52.52
Total	**0.07**	**0.58**	**0.34**	**0.00**	**0.01**	**0.03**	**0.04**	**0.00**	**0.03**	**0.03**	**0.00**	**52.40**	**52.40**	**0.01**	**0.00**	**52.52**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.04	0.02	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	5.10	5.10	0.00	0.00	5.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.54	1.54	0.00	0.00	1.55
Total	**0.00**	**0.04**	**0.03**	**0.00**	**0.03**	**0.00**	**0.03**	**0.00**	**0.00**	**0.00**	**0.00**	**6.64**	**6.64**	**0.00**	**0.00**	**6.66**

3.2 Demolition - 2012

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					0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.07	0.58	0.34	0.00		0.03	0.03		0.03	0.03	0.00	52.40	52.40	0.01	0.00	52.52
Total	**0.07**	**0.58**	**0.34**	**0.00**	**0.01**	**0.03**	**0.04**	**0.00**	**0.03**	**0.03**	**0.00**	**52.40**	**52.40**	**0.01**	**0.00**	**52.52**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.04	0.02	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	5.10	5.10	0.00	0.00	5.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.54	1.54	0.00	0.00	1.55
Total	**0.00**	**0.04**	**0.03**	**0.00**	**0.03**	**0.00**	**0.03**	**0.00**	**0.00**	**0.00**	**0.00**	**6.64**	**6.64**	**0.00**	**0.00**	**6.66**

3.3 Grading - 2012

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					0.14	0.00	0.14	0.07	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.19	1.57	0.83	0.00		0.08	0.08		0.08	0.08	0.00	148.39	148.39	0.02	0.00	148.72
Total	**0.19**	**1.57**	**0.83**	**0.00**	**0.14**	**0.08**	**0.22**	**0.07**	**0.08**	**0.15**	**0.00**	**148.39**	**148.39**	**0.02**	**0.00**	**148.72**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.01	0.09	0.05	0.00	0.14	0.00	0.14	0.00	0.00	0.00	0.00	11.15	11.15	0.00	0.00	11.15
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.03	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	4.21	4.21	0.00	0.00	4.22
Total	**0.01**	**0.09**	**0.08**	**0.00**	**0.15**	**0.00**	**0.15**	**0.00**	**0.00**	**0.00**	**0.00**	**15.36**	**15.36**	**0.00**	**0.00**	**15.37**

3.3 Grading - 2012

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					0.06	0.00	0.06	0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.19	1.57	0.83	0.00		0.08	0.08		0.08	0.08	0.00	148.39	148.39	0.02	0.00	148.72
Total	**0.19**	**1.57**	**0.83**	**0.00**	**0.06**	**0.08**	**0.14**	**0.03**	**0.08**	**0.11**	**0.00**	**148.39**	**148.39**	**0.02**	**0.00**	**148.72**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.01	0.09	0.05	0.00	0.14	0.00	0.14	0.00	0.00	0.00	0.00	11.15	11.15	0.00	0.00	11.15
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.03	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	4.21	4.21	0.00	0.00	4.22
Total	**0.01**	**0.09**	**0.08**	**0.00**	**0.15**	**0.00**	**0.15**	**0.00**	**0.00**	**0.00**	**0.00**	**15.36**	**15.36**	**0.00**	**0.00**	**15.37**

3.4 Building Construction - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.37	2.38	1.53	0.00		0.17	0.17		0.17	0.17	0.00	231.31	231.31	0.03	0.00	231.95
Total	**0.37**	**2.38**	**1.53**	**0.00**		**0.17**	**0.17**		**0.17**	**0.17**	**0.00**	**231.31**	**231.31**	**0.03**	**0.00**	**231.95**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.01	0.06	0.04	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	8.38	8.38	0.00	0.00	8.39
Worker	0.01	0.01	0.07	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	9.60	9.60	0.00	0.00	9.61
Total	**0.02**	**0.07**	**0.11**	**0.00**	**0.01**	**0.00**	**0.02**	**0.00**	**0.00**	**0.00**	**0.00**	**17.98**	**17.98**	**0.00**	**0.00**	**18.00**

3.4 Building Construction - 2012

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.37	2.38	1.53	0.00		0.17	0.17		0.17	0.17	0.00	231.31	231.31	0.03	0.00	231.95
Total	**0.37**	**2.38**	**1.53**	**0.00**		**0.17**	**0.17**		**0.17**	**0.17**	**0.00**	**231.31**	**231.31**	**0.03**	**0.00**	**231.95**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.01	0.06	0.04	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	8.38	8.38	0.00	0.00	8.39
Worker	0.01	0.01	0.07	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	9.60	9.60	0.00	0.00	9.61
Total	**0.02**	**0.07**	**0.11**	**0.00**	**0.01**	**0.00**	**0.02**	**0.00**	**0.00**	**0.00**	**0.00**	**17.98**	**17.98**	**0.00**	**0.00**	**18.00**

3.4 Building Construction - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.26	1.67	1.14	0.00		0.11	0.11		0.11	0.11	0.00	174.50	174.50	0.02	0.00	174.94
Total	**0.26**	**1.67**	**1.14**	**0.00**		**0.11**	**0.11**		**0.11**	**0.11**	**0.00**	**174.50**	**174.50**	**0.02**	**0.00**	**174.94**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.04	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.34	6.34	0.00	0.00	6.34
Worker	0.00	0.00	0.05	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	7.09	7.09	0.00	0.00	7.10
Total	**0.00**	**0.04**	**0.08**	**0.00**	**0.01**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**13.43**	**13.43**	**0.00**	**0.00**	**13.44**

3.4 Building Construction - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.26	1.67	1.14	0.00		0.11	0.11		0.11	0.11	0.00	174.50	174.50	0.02	0.00	174.94
Total	**0.26**	**1.67**	**1.14**	**0.00**		**0.11**	**0.11**		**0.11**	**0.11**	**0.00**	**174.50**	**174.50**	**0.02**	**0.00**	**174.94**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.04	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.34	6.34	0.00	0.00	6.34
Worker	0.00	0.00	0.05	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	7.09	7.09	0.00	0.00	7.10
Total	**0.00**	**0.04**	**0.08**	**0.00**	**0.01**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**13.43**	**13.43**	**0.00**	**0.00**	**13.44**

3.5 Paving - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.05	0.32	0.20	0.00		0.03	0.03		0.03	0.03	0.00	25.13	25.13	0.00	0.00	25.22
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	**0.05**	**0.32**	**0.20**	**0.00**		**0.03**	**0.03**		**0.03**	**0.03**	**0.00**	**25.13**	**25.13**	**0.00**	**0.00**	**25.22**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.92	1.92	0.00	0.00	1.93
Total	**0.00**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**1.92**	**1.92**	**0.00**	**0.00**	**1.93**

3.5 Paving - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.05	0.32	0.20	0.00		0.03	0.03		0.03	0.03	0.00	25.13	25.13	0.00	0.00	25.22
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	**0.05**	**0.32**	**0.20**	**0.00**		**0.03**	**0.03**		**0.03**	**0.03**	**0.00**	**25.13**	**25.13**	**0.00**	**0.00**	**25.22**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.92	1.92	0.00	0.00	1.93
Total	**0.00**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**1.92**	**1.92**	**0.00**	**0.00**	**1.93**

3.6 Architectural Coating - 2013

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					
Archit. Coating	0.23					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.01	0.05	0.04	0.00		0.00	0.00		0.00	0.00	0.00	4.72	4.72	0.00	0.00	4.73
Total	**0.24**	**0.05**	**0.04**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**	**0.00**	**4.72**	**4.72**	**0.00**	**0.00**	**4.73**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.34	0.00	0.00	0.34
Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.34**	**0.34**	**0.00**	**0.00**	**0.34**

3.6 Architectural Coating - 2013

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					
Archit. Coating	0.23					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.01	0.05	0.04	0.00		0.00	0.00		0.00	0.00	0.00	4.72	4.72	0.00	0.00	4.73
Total	**0.24**	**0.05**	**0.04**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**	**0.00**	**4.72**	**4.72**	**0.00**	**0.00**	**4.73**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.34	0.00	0.00	0.34
Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.34**	**0.34**	**0.00**	**0.00**	**0.34**

4.0 Mobile Detail

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	0.31	0.75	3.13	0.00	0.49	0.03	0.51	0.01	0.03	0.04	0.00	444.23	444.23	0.02	0.00	444.70
Unmitigated	0.31	0.75	3.13	0.00	0.49	0.03	0.51	0.01	0.03	0.04	0.00	444.23	444.23	0.02	0.00	444.70
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	315.81	332.64	289.41	893,055	893,055
Total	315.81	332.64	289.41	893,055	893,055

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Single Family Housing	10.80	7.30	7.50	40.20	19.20	40.60

5.0 Energy Detail

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	tons/yr										MT/yr					
Electricity Mitigated						0.00	0.00		0.00	0.00	0.00	61.94	61.94	0.00	0.00	62.33
Electricity Unmitigated						0.00	0.00		0.00	0.00	0.00	61.94	61.94	0.00	0.00	62.33
NaturalGas Mitigated	0.01	0.06	0.03	0.00		0.00	0.01		0.00	0.01	0.00	74.46	74.46	0.00	0.00	74.92
NaturalGas Unmitigated	0.01	0.06	0.03	0.00		0.00	0.01		0.00	0.01	0.00	74.46	74.46	0.00	0.00	74.92
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

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	tons/yr										MT/yr					
Single Family Housing	1.39542e+006	0.01	0.06	0.03	0.00		0.00	0.01		0.00	0.01	0.00	74.46	74.46	0.00	0.00	74.92
Total		**0.01**	**0.06**	**0.03**	**0.00**		**0.00**	**0.01**		**0.00**	**0.01**	**0.00**	**74.46**	**74.46**	**0.00**	**0.00**	**74.92**

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	tons/yr										MT/yr					
Single Family Housing	1.39542e+006	0.01	0.06	0.03	0.00		0.00	0.01		0.00	0.01	0.00	74.46	74.46	0.00	0.00	74.92
Total		**0.01**	**0.06**	**0.03**	**0.00**		**0.00**	**0.01**		**0.00**	**0.01**	**0.00**	**74.46**	**74.46**	**0.00**	**0.00**	**74.92**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
Single Family Housing	212961					61.94	0.00	0.00	62.33
Total						**61.94**	**0.00**	**0.00**	**62.33**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
Single Family Housing	212961					61.94	0.00	0.00	62.33
Total						**61.94**	**0.00**	**0.00**	**62.33**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.36	0.01	0.73	0.00		0.00	0.04		0.00	0.04	3.51	21.03	24.53	0.01	0.00	24.93
Unmitigated	0.36	0.01	0.73	0.00		0.00	0.04		0.00	0.04	3.51	21.03	24.53	0.01	0.00	24.93
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

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	0.02					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.21					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.11	0.00	0.21	0.00		0.00	0.03		0.00	0.03	3.51	20.21	23.71	0.01	0.00	24.09
Landscaping	0.02	0.01	0.52	0.00		0.00	0.00		0.00	0.00	0.00	0.82	0.82	0.00	0.00	0.84
Total	**0.36**	**0.01**	**0.73**	**0.00**		**0.00**	**0.03**		**0.00**	**0.03**	**3.51**	**21.03**	**24.53**	**0.01**	**0.00**	**24.93**

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	0.02					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.21					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.11	0.00	0.21	0.00		0.00	0.03		0.00	0.03	3.51	20.21	23.71	0.01	0.00	24.09
Landscaping	0.02	0.01	0.52	0.00		0.00	0.00		0.00	0.00	0.00	0.82	0.82	0.00	0.00	0.84
Total	**0.36**	**0.01**	**0.73**	**0.00**		**0.00**	**0.03**		**0.00**	**0.03**	**3.51**	**21.03**	**24.53**	**0.01**	**0.00**	**24.93**

7.0 Water Detail

7.1 Mitigation Measures Water

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr				MT/yr			
Mitigated					12.55	0.07	0.00	14.51
Unmitigated					12.55	0.07	0.00	14.51
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
Single Family Housing	2.15008 / 1.35549					12.55	0.07	0.00	14.51
Total						**12.55**	**0.07**	**0.00**	**14.51**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
Single Family Housing	2.15008 / 1.35549					12.55	0.07	0.00	14.51
Total						**12.55**	**0.07**	**0.00**	**14.51**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
	tons/yr				MT/yr			
Mitigated					7.82	0.46	0.00	17.53
Unmitigated					7.82	0.46	0.00	17.53
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
Single Family Housing	38.54					7.82	0.46	0.00	17.53
Total						**7.82**	**0.46**	**0.00**	**17.53**

Mitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
Single Family Housing	38.54					7.82	0.46	0.00	17.53
Total						**7.82**	**0.46**	**0.00**	**17.53**

9.0 Vegetation