
APPENDIX B

CALEEMOD

**Paraiso Springs Resort
Monterey Bay Unified APCD Air District, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Other Asphalt Surfaces	298	1000sqft
Other Non-Asphalt Surfaces	1298	1000sqft
Parking Lot	342	Space
Health Club	70	1000sqft
Hotel	103	Room
Hotel	60	Room
Single Family Housing	17	Dwelling Unit

1.2 Other Project Characteristics

Urbanization Rural **Wind Speed (m/s)** 2.8 **Utility Company** Pacific Gas & Electric Company
Climate Zone 4 **Precipitation Freq (Days)** 53

1.3 User Entered Comments

Project Characteristics - Assumed Op Year

Land Use - 103-unit Hotel includes future phase amenities from PD

Construction Phase - Schedule modified per PD

Off-road Equipment -

Grading - From CH2MHill July 15, 2005 Tech Memo

Demolition -

Vehicle Trips - Health Club Trip rates taken from TIA: Day Guest avg daily rate

Land Use Change -

Sequestration -

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

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					
2014	1.62	11.93	9.52	0.02	3.27	0.54	3.82	0.40	0.54	0.93	0.00	1,579.89	1,579.89	0.13	0.00	1,582.56
2015	2.28	10.90	20.63	0.03	2.18	0.50	2.67	0.04	0.48	0.52	0.00	2,834.52	2,834.52	0.18	0.00	2,838.34
2016	2.09	9.99	19.11	0.03	2.18	0.45	2.63	0.04	0.43	0.47	0.00	2,803.82	2,803.82	0.17	0.00	2,807.32
2017	1.92	9.13	17.68	0.03	2.17	0.41	2.58	0.04	0.39	0.43	0.00	2,764.52	2,764.52	0.15	0.00	2,767.72
2018	1.77	8.43	16.56	0.03	2.18	0.38	2.55	0.04	0.36	0.40	0.00	2,748.38	2,748.38	0.14	0.00	2,751.35
2019	24.14	1.80	2.99	0.01	0.34	0.11	0.46	0.01	0.11	0.12	0.00	470.22	470.22	0.03	0.00	470.86
Total	33.82	52.18	86.49	0.15	12.32	2.39	14.71	0.57	2.31	2.87	0.00	13,201.35	13,201.35	0.80	0.00	13,218.15

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					
2014	1.62	11.93	9.52	0.02	3.27	0.54	3.82	0.40	0.54	0.93	0.00	1,579.89	1,579.89	0.13	0.00	1,582.56
2015	2.28	10.90	20.63	0.03	2.18	0.50	2.67	0.04	0.48	0.52	0.00	2,834.52	2,834.52	0.18	0.00	2,838.34
2016	2.09	9.99	19.11	0.03	2.18	0.45	2.63	0.04	0.43	0.47	0.00	2,803.82	2,803.82	0.17	0.00	2,807.32
2017	1.92	9.13	17.68	0.03	2.17	0.41	2.58	0.04	0.39	0.43	0.00	2,764.52	2,764.52	0.15	0.00	2,767.72
2018	1.77	8.43	16.56	0.03	2.18	0.38	2.55	0.04	0.36	0.40	0.00	2,748.38	2,748.38	0.14	0.00	2,751.35
2019	24.14	1.80	2.99	0.01	0.34	0.11	0.46	0.01	0.11	0.12	0.00	470.22	470.22	0.03	0.00	470.86
Total	33.82	52.18	86.49	0.15	12.32	2.39	14.71	0.57	2.31	2.87	0.00	13,201.35	13,201.35	0.80	0.00	13,218.15

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	11.42	0.02	1.44	0.00		0.00	0.19		0.00	0.19	17.56	22.30	39.86	0.02	0.00	40.72
Energy	0.07	0.60	0.49	0.00		0.00	0.05		0.00	0.05	0.00	1,378.38	1,378.38	0.05	0.02	1,386.90
Mobile	1.11	2.55	10.28	0.02	1.91	0.11	2.02	0.03	0.11	0.14	0.00	1,506.65	1,506.65	0.07	0.00	1,508.09
Waste						0.00	0.00		0.00	0.00	103.48	0.00	103.48	6.12	0.00	231.92
Water						0.00	0.00		0.00	0.00	0.00	18.64	18.64	0.29	0.01	26.97
Total	12.60	3.17	12.21	0.02	1.91	0.11	2.26	0.03	0.11	0.38	121.04	2,925.97	3,047.01	6.55	0.03	3,194.60

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	11.42	0.02	1.44	0.00		0.00	0.19		0.00	0.19	17.56	22.30	39.86	0.02	0.00	40.72
Energy	0.07	0.60	0.49	0.00		0.00	0.05		0.00	0.05	0.00	1,378.38	1,378.38	0.05	0.02	1,386.90
Mobile	1.11	2.55	10.28	0.02	1.91	0.11	2.02	0.03	0.11	0.14	0.00	1,506.65	1,506.65	0.07	0.00	1,508.09
Waste						0.00	0.00		0.00	0.00	103.48	0.00	103.48	6.12	0.00	231.92
Water						0.00	0.00		0.00	0.00	0.00	18.64	18.64	0.29	0.01	26.97
Total	12.60	3.17	12.21	0.02	1.91	0.11	2.26	0.03	0.11	0.38	121.04	2,925.97	3,047.01	6.55	0.03	3,194.60

2.3 Vegetation

Vegetation

	ROG	NOx	CO	SO2	CO2e
Category	tons				MT
New Trees					323.15
Vegetation Land Change					-1,419.87
Total					-1,096.72

3.0 Construction Detail

3.1 Mitigation Measures Construction

- Use Soil Stabilizer
- Replace Ground Cover
- Water Exposed Area
- Clean Paved Roads

3.2 Demolition - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.29	2.32	1.44	0.00		0.11	0.11		0.11	0.11	0.00	238.41	238.41	0.02	0.00	238.91
Total	0.29	2.32	1.44	0.00		0.11	0.11		0.11	0.11	0.00	238.41	238.41	0.02	0.00	238.91

3.2 Demolition - 2014

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	0.01	0.01	0.07	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	6.72	6.72	0.00	0.00	6.73
Total	0.01	0.01	0.07	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	6.72	6.72	0.00	0.00	6.73

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	0.29	2.32	1.44	0.00		0.11	0.11		0.11	0.11	0.00	238.41	238.41	0.02	0.00	238.91
Total	0.29	2.32	1.44	0.00		0.11	0.11		0.11	0.11	0.00	238.41	238.41	0.02	0.00	238.91

3.2 Demolition - 2014

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	0.01	0.01	0.07	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	6.72	6.72	0.00	0.00	6.73
Total	0.01	0.01	0.07	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	6.72	6.72	0.00	0.00	6.73

3.3 Site Preparation - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.39	0.00	0.39	0.20	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.19	1.50	0.86	0.00		0.07	0.07		0.07	0.07	0.00	145.07	145.07	0.02	0.00	145.39
Total	0.19	1.50	0.86	0.00	0.39	0.07	0.46	0.20	0.07	0.27	0.00	145.07	145.07	0.02	0.00	145.39

3.3 Site Preparation - 2014

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	0.12	1.20	0.72	0.00	1.86	0.04	1.90	0.00	0.04	0.04	0.00	179.95	179.95	0.01	0.00	180.06
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	0.01	0.05	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	4.61	4.61	0.00	0.00	4.62
Total	0.12	1.21	0.77	0.00	1.87	0.04	1.91	0.00	0.04	0.04	0.00	184.56	184.56	0.01	0.00	184.68

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	tons/yr										MT/yr					
Fugitive Dust					0.39	0.00	0.39	0.20	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.19	1.50	0.86	0.00		0.07	0.07		0.07	0.07	0.00	145.07	145.07	0.02	0.00	145.39
Total	0.19	1.50	0.86	0.00	0.39	0.07	0.46	0.20	0.07	0.27	0.00	145.07	145.07	0.02	0.00	145.39

3.3 Site Preparation - 2014

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	0.12	1.20	0.72	0.00	1.86	0.04	1.90	0.00	0.04	0.04	0.00	179.95	179.95	0.01	0.00	180.06
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	0.01	0.05	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	4.61	4.61	0.00	0.00	4.62
Total	0.12	1.21	0.77	0.00	1.87	0.04	1.91	0.00	0.04	0.04	0.00	184.56	184.56	0.01	0.00	184.68

3.4 Grading - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.36	0.00	0.36	0.18	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.62	4.98	2.80	0.01		0.23	0.23		0.23	0.23	0.00	541.55	541.55	0.05	0.00	542.60
Total	0.62	4.98	2.80	0.01	0.36	0.23	0.59	0.18	0.23	0.41	0.00	541.55	541.55	0.05	0.00	542.60

3.4 Grading - 2014

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	0.07	0.04	0.00	0.30	0.00	0.30	0.00	0.00	0.00	0.00	10.56	10.56	0.00	0.00	10.57
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	0.01	0.02	0.14	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	14.08	14.08	0.00	0.00	14.11
Total	0.02	0.09	0.18	0.00	0.32	0.00	0.32	0.00	0.00	0.00	0.00	24.64	24.64	0.00	0.00	24.68

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	tons/yr										MT/yr					
Fugitive Dust					0.36	0.00	0.36	0.18	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.62	4.98	2.80	0.01		0.23	0.23		0.23	0.23	0.00	541.55	541.55	0.05	0.00	542.60
Total	0.62	4.98	2.80	0.01	0.36	0.23	0.59	0.18	0.23	0.41	0.00	541.55	541.55	0.05	0.00	542.60

3.4 Grading - 2014

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	0.07	0.04	0.00	0.30	0.00	0.30	0.00	0.00	0.00	0.00	10.56	10.56	0.00	0.00	10.57
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	0.01	0.02	0.14	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	14.08	14.08	0.00	0.00	14.11
Total	0.02	0.09	0.18	0.00	0.32	0.00	0.32	0.00	0.00	0.00	0.00	24.64	24.64	0.00	0.00	24.68

3.5 Building Construction - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.09	0.64	0.46	0.00		0.04	0.04		0.04	0.04	0.00	73.29	73.29	0.01	0.00	73.45
Total	0.09	0.64	0.46	0.00		0.04	0.04		0.04	0.04	0.00	73.29	73.29	0.01	0.00	73.45

3.5 Building Construction - 2014

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	0.10	0.94	0.78	0.00	0.05	0.03	0.08	0.00	0.03	0.03	0.00	147.75	147.75	0.00	0.00	147.84
Worker	0.18	0.25	2.18	0.00	0.29	0.01	0.30	0.00	0.01	0.02	0.00	217.90	217.90	0.02	0.00	218.28
Total	0.28	1.19	2.96	0.00	0.34	0.04	0.38	0.00	0.04	0.05	0.00	365.65	365.65	0.02	0.00	366.12

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	tons/yr										MT/yr					
Off-Road	0.09	0.64	0.46	0.00		0.04	0.04		0.04	0.04	0.00	73.29	73.29	0.01	0.00	73.45
Total	0.09	0.64	0.46	0.00		0.04	0.04		0.04	0.04	0.00	73.29	73.29	0.01	0.00	73.45

3.5 Building Construction - 2014

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	0.10	0.94	0.78	0.00	0.05	0.03	0.08	0.00	0.03	0.03	0.00	147.75	147.75	0.00	0.00	147.84
Worker	0.18	0.25	2.18	0.00	0.29	0.01	0.30	0.00	0.01	0.02	0.00	217.90	217.90	0.02	0.00	218.28
Total	0.28	1.19	2.96	0.00	0.34	0.04	0.38	0.00	0.04	0.05	0.00	365.65	365.65	0.02	0.00	366.12

3.5 Building Construction - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.57	3.80	3.00	0.01		0.23	0.23		0.23	0.23	0.00	478.23	478.23	0.05	0.00	479.20
Total	0.57	3.80	3.00	0.01		0.23	0.23		0.23	0.23	0.00	478.23	478.23	0.05	0.00	479.20

3.5 Building Construction - 2015

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	0.61	5.62	4.69	0.01	0.30	0.18	0.48	0.01	0.17	0.17	0.00	965.75	965.75	0.03	0.00	966.31
Worker	1.10	1.48	12.94	0.02	1.88	0.08	1.96	0.03	0.08	0.11	0.00	1,390.55	1,390.55	0.11	0.00	1,392.83
Total	1.71	7.10	17.63	0.03	2.18	0.26	2.44	0.04	0.25	0.28	0.00	2,356.30	2,356.30	0.14	0.00	2,359.14

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	0.57	3.80	3.00	0.01		0.23	0.23		0.23	0.23	0.00	478.23	478.23	0.05	0.00	479.20
Total	0.57	3.80	3.00	0.01		0.23	0.23		0.23	0.23	0.00	478.23	478.23	0.05	0.00	479.20

3.5 Building Construction - 2015

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	0.61	5.62	4.69	0.01	0.30	0.18	0.48	0.01	0.17	0.17	0.00	965.75	965.75	0.03	0.00	966.31
Worker	1.10	1.48	12.94	0.02	1.88	0.08	1.96	0.03	0.08	0.11	0.00	1,390.55	1,390.55	0.11	0.00	1,392.83
Total	1.71	7.10	17.63	0.03	2.18	0.26	2.44	0.04	0.25	0.28	0.00	2,356.30	2,356.30	0.14	0.00	2,359.14

3.5 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.52	3.46	2.97	0.01		0.21	0.21		0.21	0.21	0.00	478.23	478.23	0.04	0.00	479.11
Total	0.52	3.46	2.97	0.01		0.21	0.21		0.21	0.21	0.00	478.23	478.23	0.04	0.00	479.11

3.5 Building Construction - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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	0.56	5.18	4.32	0.01	0.30	0.16	0.47	0.01	0.15	0.16	0.00	967.30	967.30	0.02	0.00	967.81
Worker	1.01	1.35	11.81	0.02	1.88	0.08	1.96	0.03	0.08	0.11	0.00	1,358.29	1,358.29	0.10	0.00	1,360.39
Total	1.57	6.53	16.13	0.03	2.18	0.24	2.43	0.04	0.23	0.27	0.00	2,325.59	2,325.59	0.12	0.00	2,328.20

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	0.52	3.46	2.97	0.01		0.21	0.21		0.21	0.21	0.00	478.23	478.23	0.04	0.00	479.11
Total	0.52	3.46	2.97	0.01		0.21	0.21		0.21	0.21	0.00	478.23	478.23	0.04	0.00	479.11

3.5 Building Construction - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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	0.56	5.18	4.32	0.01	0.30	0.16	0.47	0.01	0.15	0.16	0.00	967.30	967.30	0.02	0.00	967.81
Worker	1.01	1.35	11.81	0.02	1.88	0.08	1.96	0.03	0.08	0.11	0.00	1,358.29	1,358.29	0.10	0.00	1,360.39
Total	1.57	6.53	16.13	0.03	2.18	0.24	2.43	0.04	0.23	0.27	0.00	2,325.59	2,325.59	0.12	0.00	2,328.20

3.5 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	tons/yr										MT/yr					
Off-Road	0.48	3.13	2.94	0.01		0.18	0.18		0.18	0.18	0.00	476.40	476.40	0.04	0.00	477.20
Total	0.48	3.13	2.94	0.01		0.18	0.18		0.18	0.18	0.00	476.40	476.40	0.04	0.00	477.20

3.5 Building Construction - 2017

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	0.52	4.78	4.01	0.01	0.30	0.15	0.45	0.01	0.14	0.15	0.00	964.93	964.93	0.02	0.00	965.40
Worker	0.93	1.22	10.72	0.02	1.87	0.08	1.95	0.03	0.08	0.11	0.00	1,323.19	1,323.19	0.09	0.00	1,325.11
Total	1.45	6.00	14.73	0.03	2.17	0.23	2.40	0.04	0.22	0.26	0.00	2,288.12	2,288.12	0.11	0.00	2,290.51

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	0.48	3.13	2.94	0.01		0.18	0.18		0.18	0.18	0.00	476.40	476.40	0.04	0.00	477.20
Total	0.48	3.13	2.94	0.01		0.18	0.18		0.18	0.18	0.00	476.40	476.40	0.04	0.00	477.20

3.5 Building Construction - 2017

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	0.52	4.78	4.01	0.01	0.30	0.15	0.45	0.01	0.14	0.15	0.00	964.93	964.93	0.02	0.00	965.40
Worker	0.93	1.22	10.72	0.02	1.87	0.08	1.95	0.03	0.08	0.11	0.00	1,323.19	1,323.19	0.09	0.00	1,325.11
Total	1.45	6.00	14.73	0.03	2.17	0.23	2.40	0.04	0.22	0.26	0.00	2,288.12	2,288.12	0.11	0.00	2,290.51

3.5 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	tons/yr										MT/yr					
Off-Road	0.44	2.84	2.93	0.01		0.16	0.16		0.16	0.16	0.00	478.23	478.23	0.04	0.00	478.97
Total	0.44	2.84	2.93	0.01		0.16	0.16		0.16	0.16	0.00	478.23	478.23	0.04	0.00	478.97

3.5 Building Construction - 2018

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	0.48	4.46	3.78	0.01	0.30	0.14	0.44	0.01	0.13	0.14	0.00	969.81	969.81	0.02	0.00	970.25
Worker	0.86	1.12	9.84	0.02	1.88	0.08	1.96	0.03	0.08	0.11	0.00	1,300.35	1,300.35	0.08	0.00	1,302.13
Total	1.34	5.58	13.62	0.03	2.18	0.22	2.40	0.04	0.21	0.25	0.00	2,270.16	2,270.16	0.10	0.00	2,272.38

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	0.44	2.84	2.93	0.01		0.16	0.16		0.16	0.16	0.00	478.23	478.23	0.04	0.00	478.97
Total	0.44	2.84	2.93	0.01		0.16	0.16		0.16	0.16	0.00	478.23	478.23	0.04	0.00	478.97

3.5 Building Construction - 2018

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	0.48	4.46	3.78	0.01	0.30	0.14	0.44	0.01	0.13	0.14	0.00	969.81	969.81	0.02	0.00	970.25
Worker	0.86	1.12	9.84	0.02	1.88	0.08	1.96	0.03	0.08	0.11	0.00	1,300.35	1,300.35	0.08	0.00	1,302.13
Total	1.34	5.58	13.62	0.03	2.18	0.22	2.40	0.04	0.21	0.25	0.00	2,270.16	2,270.16	0.10	0.00	2,272.38

3.5 Building Construction - 2019

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	0.04	0.27	0.30	0.00		0.01	0.01		0.01	0.01	0.00	49.47	49.47	0.00	0.00	49.54
Total	0.04	0.27	0.30	0.00		0.01	0.01		0.01	0.01	0.00	49.47	49.47	0.00	0.00	49.54

3.5 Building Construction - 2019

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	0.05	0.43	0.37	0.00	0.03	0.01	0.04	0.00	0.01	0.01	0.00	100.46	100.46	0.00	0.00	100.50
Worker	0.08	0.11	0.94	0.00	0.19	0.01	0.20	0.00	0.01	0.01	0.00	131.87	131.87	0.01	0.00	132.04
Total	0.13	0.54	1.31	0.00	0.22	0.02	0.24	0.00	0.02	0.02	0.00	232.33	232.33	0.01	0.00	232.54

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	0.04	0.27	0.30	0.00		0.01	0.01		0.01	0.01	0.00	49.47	49.47	0.00	0.00	49.54
Total	0.04	0.27	0.30	0.00		0.01	0.01		0.01	0.01	0.00	49.47	49.47	0.00	0.00	49.54

3.5 Building Construction - 2019

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	0.05	0.43	0.37	0.00	0.03	0.01	0.04	0.00	0.01	0.01	0.00	100.46	100.46	0.00	0.00	100.50
Worker	0.08	0.11	0.94	0.00	0.19	0.01	0.20	0.00	0.01	0.01	0.00	131.87	131.87	0.01	0.00	132.04
Total	0.13	0.54	1.31	0.00	0.22	0.02	0.24	0.00	0.02	0.02	0.00	232.33	232.33	0.01	0.00	232.54

3.6 Paving - 2019

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	0.14	0.87	0.75	0.00		0.07	0.07		0.07	0.07	0.00	99.23	99.23	0.01	0.00	99.47
Paving	0.01					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.15	0.87	0.75	0.00		0.07	0.07		0.07	0.07	0.00	99.23	99.23	0.01	0.00	99.47

3.6 Paving - 2019

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	0.01	0.05	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	6.46	6.46	0.00	0.00	6.46
Total	0.00	0.01	0.05	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	6.46	6.46	0.00	0.00	6.46

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	0.14	0.87	0.75	0.00		0.07	0.07		0.07	0.07	0.00	99.23	99.23	0.01	0.00	99.47
Paving	0.01					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.15	0.87	0.75	0.00		0.07	0.07		0.07	0.07	0.00	99.23	99.23	0.01	0.00	99.47

3.6 Paving - 2019

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	0.01	0.05	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	6.46	6.46	0.00	0.00	6.46
Total	0.00	0.01	0.05	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	6.46	6.46	0.00	0.00	6.46

3.7 Architectural Coating - 2019

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	23.76					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.01	0.07	0.07	0.00		0.00	0.00		0.00	0.00	0.00	9.56	9.56	0.00	0.00	9.58
Total	23.77	0.07	0.07	0.00		0.00	0.00		0.00	0.00	0.00	9.56	9.56	0.00	0.00	9.58

3.7 Architectural Coating - 2019

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	0.05	0.06	0.52	0.00	0.11	0.00	0.11	0.00	0.00	0.01	0.00	73.17	73.17	0.00	0.00	73.27
Total	0.05	0.06	0.52	0.00	0.11	0.00	0.11	0.00	0.00	0.01	0.00	73.17	73.17	0.00	0.00	73.27

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	23.76					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.01	0.07	0.07	0.00		0.00	0.00		0.00	0.00	0.00	9.56	9.56	0.00	0.00	9.58
Total	23.77	0.07	0.07	0.00		0.00	0.00		0.00	0.00	0.00	9.56	9.56	0.00	0.00	9.58

3.7 Architectural Coating - 2019

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	0.05	0.06	0.52	0.00	0.11	0.00	0.11	0.00	0.00	0.01	0.00	73.17	73.17	0.00	0.00	73.27
Total	0.05	0.06	0.52	0.00	0.11	0.00	0.11	0.00	0.00	0.01	0.00	73.17	73.17	0.00	0.00	73.27

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	1.11	2.55	10.28	0.02	1.91	0.11	2.02	0.03	0.11	0.14	0.00	1,506.65	1,506.65	0.07	0.00	1,508.09
Unmitigated	1.11	2.55	10.28	0.02	1.91	0.11	2.02	0.03	0.11	0.14	0.00	1,506.65	1,506.65	0.07	0.00	1,508.09
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Health Club	350.00	350.00	350.00	628,056	628,056
Hotel	841.51	843.57	612.85	1,625,696	1,625,696
Hotel	490.20	491.40	357.00	947,007	947,007
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Single Family Housing	162.69	171.36	149.09	610,632	610,632
Total	1,844.40	1,856.33	1,468.94	3,811,391	3,811,391

4.3 Trip Type Information

Land Use	Miles			Trip %		
	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
Health Club	14.70	6.60	6.60	16.90	64.10	19.00
Hotel	14.70	6.60	6.60	19.40	61.60	19.00
Hotel	14.70	6.60	6.60	19.40	61.60	19.00
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00
Other Non-Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00
Single Family Housing	16.80	7.10	7.90	44.00	18.80	37.20

5.0 Energy Detail

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.00	0.00		0.00	0.00	0.00	726.57	726.57	0.03	0.01	731.12
Electricity Unmitigated						0.00	0.00		0.00	0.00	0.00	726.57	726.57	0.03	0.01	731.12
Natural Gas Mitigated	0.07	0.60	0.49	0.00		0.00	0.05		0.00	0.05	0.00	651.81	651.81	0.01	0.01	655.78
Natural Gas Unmitigated	0.07	0.60	0.49	0.00		0.00	0.05		0.00	0.05	0.00	651.81	651.81	0.01	0.01	655.78
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					
Health Club	1.9187e+006	0.01	0.09	0.08	0.00		0.00	0.01		0.00	0.01	0.00	102.39	102.39	0.00	0.00	103.01
Hotel	4.04063e+006	0.02	0.20	0.17	0.00		0.00	0.02		0.00	0.02	0.00	215.62	215.62	0.00	0.00	216.94
Hotel	5.59923e+006	0.03	0.27	0.23	0.00		0.00	0.02		0.00	0.02	0.00	298.80	298.80	0.01	0.01	300.61
Other Asphalt Surfaces	0	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
Other Non-Asphalt Surfaces	0	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
Parking Lot	0	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
Single Family Housing	655951	0.00	0.03	0.01	0.00		0.00	0.00		0.00	0.00	0.00	35.00	35.00	0.00	0.00	35.22
Total		0.06	0.59	0.49	0.00		0.00	0.05		0.00	0.05	0.00	651.81	651.81	0.01	0.01	655.78

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					
Health Club	1.9187e+006	0.01	0.09	0.08	0.00		0.00	0.01		0.00	0.01	0.00	102.39	102.39	0.00	0.00	103.01
Hotel	4.04063e+006	0.02	0.20	0.17	0.00		0.00	0.02		0.00	0.02	0.00	215.62	215.62	0.00	0.00	216.94
Hotel	5.59923e+006	0.03	0.27	0.23	0.00		0.00	0.02		0.00	0.02	0.00	298.80	298.80	0.01	0.01	300.61
Other Asphalt Surfaces	0	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
Other Non-Asphalt Surfaces	0	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
Parking Lot	0	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
Single Family Housing	655951	0.00	0.03	0.01	0.00		0.00	0.00		0.00	0.00	0.00	35.00	35.00	0.00	0.00	35.22
Total		0.06	0.59	0.49	0.00		0.00	0.05		0.00	0.05	0.00	651.81	651.81	0.01	0.01	655.78

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			
Health Club	632100					183.89	0.01	0.00	185.04
Hotel	1.01892e+006					296.42	0.01	0.01	298.27
Hotel	735293					213.91	0.01	0.00	215.25
Other Asphalt Surfaces	0					0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0					0.00	0.00	0.00	0.00
Parking Lot	0					0.00	0.00	0.00	0.00
Single Family Housing	111255					32.37	0.00	0.00	32.57
Total						726.59	0.03	0.01	731.13

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			
Health Club	632100					183.89	0.01	0.00	185.04
Hotel	1.01892e+006					296.42	0.01	0.01	298.27
Hotel	735293					213.91	0.01	0.00	215.25
Other Asphalt Surfaces	0					0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0					0.00	0.00	0.00	0.00
Parking Lot	0					0.00	0.00	0.00	0.00
Single Family Housing	111255					32.37	0.00	0.00	32.57
Total						726.59	0.03	0.01	731.13

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	11.42	0.02	1.44	0.00		0.00	0.19		0.00	0.19	17.56	22.30	39.86	0.02	0.00	40.72
Unmitigated	11.42	0.02	1.44	0.00		0.00	0.19		0.00	0.19	17.56	22.30	39.86	0.02	0.00	40.72
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	tons/yr										MT/yr					
Architectural Coating	2.38					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	7.97					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	1.07	0.01	1.31	0.00		0.00	0.19		0.00	0.19	17.56	22.09	39.65	0.02	0.00	40.51
Landscaping	0.00	0.00	0.13	0.00		0.00	0.00		0.00	0.00	0.00	0.21	0.21	0.00	0.00	0.21
Total	11.42	0.01	1.44	0.00		0.00	0.19		0.00	0.19	17.56	22.30	39.86	0.02	0.00	40.72

6.2 Area by SubCategory

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	2.38					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	7.97					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	1.07	0.01	1.31	0.00		0.00	0.19		0.00	0.19	17.56	22.09	39.65	0.02	0.00	40.51
Landscaping	0.00	0.00	0.13	0.00		0.00	0.00		0.00	0.00	0.00	0.21	0.21	0.00	0.00	0.21
Total	11.42	0.01	1.44	0.00		0.00	0.19		0.00	0.19	17.56	22.30	39.86	0.02	0.00	40.72

7.0 Water Detail

7.1 Mitigation Measures Water

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr				MT/yr			
Mitigated					18.64	0.29	0.01	26.97
Unmitigated					18.64	0.29	0.01	26.97
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			
Health Club	4.14002 / 2.53743					9.15	0.13	0.00	12.83
Hotel	4.13478 / 0.45942					7.02	0.13	0.00	10.69
Other Asphalt Surfaces	0 / 0					0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0 / 0					0.00	0.00	0.00	0.00
Parking Lot	0 / 0					0.00	0.00	0.00	0.00
Single Family Housing	1.10762 / 0.698281					2.47	0.03	0.00	3.45
Total						18.64	0.29	0.00	26.97

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			
Health Club	4.14002 / 2.53743					9.15	0.13	0.00	12.83
Hotel	4.13478 / 0.45942					7.02	0.13	0.00	10.69
Other Asphalt Surfaces	0 / 0					0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0 / 0					0.00	0.00	0.00	0.00
Parking Lot	0 / 0					0.00	0.00	0.00	0.00
Single Family Housing	1.10762 / 0.698281					2.47	0.03	0.00	3.45
Total						18.64	0.29	0.00	26.97

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					103.48	6.12	0.00	231.92
Unmitigated					103.48	6.12	0.00	231.92
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			
Health Club	399					80.99	4.79	0.00	181.51
Hotel	89.24					18.11	1.07	0.00	40.60
Other Asphalt Surfaces	0					0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0					0.00	0.00	0.00	0.00
Parking Lot	0					0.00	0.00	0.00	0.00
Single Family Housing	21.56					4.38	0.26	0.00	9.81
Total						103.48	6.12	0.00	231.92

8.2 Waste by Land Use

Mitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
Health Club	399					80.99	4.79	0.00	181.51
Hotel	89.24					18.11	1.07	0.00	40.60
Other Asphalt Surfaces	0					0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0					0.00	0.00	0.00	0.00
Parking Lot	0					0.00	0.00	0.00	0.00
Single Family Housing	21.56					4.38	0.26	0.00	9.81
Total						103.48	6.12	0.00	231.92

9.0 Vegetation

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Category	tons				MT			
Unmitigated					-1,096.72	0.00	0.00	-1,096.72
Total	NA	NA	NA	NA	NA	NA	NA	NA

9.1 Vegetation Land Change

Vegetation Type

	Initial/Final	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
	Acres	tons				MT			
Grassland	28.41 / 7.91					-88.35	0.00	0.00	-88.35
Others	6.81 / 3.11					0.00	0.00	0.00	0.00
Scrub	125.03 / 119.63					-77.22	0.00	0.00	-77.22
Trees	64.87 / 53.57					-1,254.30	0.00	0.00	-1,254.30
Wetlands	2.71 / 1.9					0.00	0.00	0.00	0.00
Total						-1,419.87	0.00	0.00	-1,419.87

9.1 Net New Trees

Species Class

	Number of Trees	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
		tons				MT			
Miscellaneous	275					194.70	0.00	0.00	194.70
Mixed Hardwood	175					128.45	0.00	0.00	128.45
Total						323.15	0.00	0.00	323.15

**Paraiso Springs Resort
Monterey Bay Unified APCD Air District, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Other Asphalt Surfaces	298	1000sqft
Other Non-Asphalt Surfaces	1298	1000sqft
Parking Lot	342	Space
Health Club	70	1000sqft
Hotel	103	Room
Hotel	60	Room
Single Family Housing	17	Dwelling Unit

1.2 Other Project Characteristics

Urbanization Rural **Wind Speed (m/s)** 2.8 **Utility Company** Pacific Gas & Electric Company
Climate Zone 4 **Precipitation Freq (Days)** 53

1.3 User Entered Comments

Project Characteristics - Assumed Op Year

Land Use - 103-unit Hotel includes future phase amenities from PD

Construction Phase - Schedule modified per PD

Off-road Equipment -

Demolition -

Grading - From CH2MHill July 15, 2005 Tech Memo

Vehicle Trips - Health Club Trip rates taken from TIA: Day Guest avg daily rate

Land Use Change -

Sequestration -

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2014	20.12	136.31	174.41	0.25	132.40	5.71	138.11	10.07	5.54	15.61	0.00	24,139.01	0.00	1.68	0.00	24,174.25
2015	18.47	84.83	161.23	0.25	20.03	3.82	23.85	0.30	3.66	3.97	0.00	23,889.00	0.00	1.54	0.00	23,921.37
2016	17.00	77.67	149.37	0.25	20.03	3.49	23.52	0.30	3.34	3.64	0.00	23,629.56	0.00	1.41	0.00	23,659.23
2017	15.65	71.22	138.79	0.25	20.03	3.18	23.21	0.30	3.04	3.34	0.00	23,387.31	0.00	1.30	0.00	23,414.64
2018	14.44	65.40	129.49	0.25	20.03	2.89	22.92	0.30	2.76	3.07	0.00	23,161.18	0.00	1.20	0.00	23,186.33
2019	635.13	60.30	121.33	0.24	20.03	2.64	22.67	0.30	2.51	2.82	0.00	22,955.25	0.00	1.11	0.00	22,978.55
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					
2014	20.12	136.31	174.41	0.25	132.40	5.71	138.11	10.07	5.54	15.61	0.00	24,139.01	0.00	1.68	0.00	24,174.25
2015	18.47	84.83	161.23	0.25	20.03	3.82	23.85	0.30	3.66	3.97	0.00	23,889.00	0.00	1.54	0.00	23,921.37
2016	17.00	77.67	149.37	0.25	20.03	3.49	23.52	0.30	3.34	3.64	0.00	23,629.56	0.00	1.41	0.00	23,659.23
2017	15.65	71.22	138.79	0.25	20.03	3.18	23.21	0.30	3.04	3.34	0.00	23,387.31	0.00	1.30	0.00	23,414.64
2018	14.44	65.40	129.49	0.25	20.03	2.89	22.92	0.30	2.76	3.07	0.00	23,161.18	0.00	1.20	0.00	23,186.33
2019	635.13	60.30	121.33	0.24	20.03	2.64	22.67	0.30	2.51	2.82	0.00	22,955.25	0.00	1.11	0.00	22,978.55
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	65.71	0.18	14.66	0.01		0.00	1.93		0.00	1.93	218.96	200.56		0.44	0.01	433.31
Energy	0.36	3.27	2.68	0.02		0.00	0.25		0.00	0.25		3,936.99		0.08	0.07	3,960.95
Mobile	6.86	14.94	60.21	0.11	13.10	0.63	13.73	0.19	0.61	0.79		9,448.81		0.44		9,457.96
Total	72.93	18.39	77.55	0.14	13.10	0.63	15.91	0.19	0.61	2.97	218.96	13,586.36		0.96	0.08	13,852.22

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	65.71	0.18	14.66	0.01		0.00	1.93		0.00	1.93	218.96	200.56		0.44	0.01	433.31
Energy	0.36	3.27	2.68	0.02		0.00	0.25		0.00	0.25		3,936.99		0.08	0.07	3,960.95
Mobile	6.86	14.94	60.21	0.11	13.10	0.63	13.73	0.19	0.61	0.79		9,448.81		0.44		9,457.96
Total	72.93	18.39	77.55	0.14	13.10	0.63	15.91	0.19	0.61	2.97	218.96	13,586.36		0.96	0.08	13,852.22

3.0 Construction Detail

3.1 Mitigation Measures Construction

- Use Soil Stabilizer
- Replace Ground Cover
- Water Exposed Area
- Clean Paved Roads

3.2 Demolition - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	8.39	66.18	41.03	0.07		3.21	3.21		3.21	3.21		7,510.81		0.75		7,526.57
Total	8.39	66.18	41.03	0.07		3.21	3.21		3.21	3.21		7,510.81		0.75		7,526.57

3.2 Demolition - 2014

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	0.18	0.23	1.94	0.00	0.30	0.01	0.32	0.00	0.01	0.01		211.25		0.02		211.62
Total	0.18	0.23	1.94	0.00	0.30	0.01	0.32	0.00	0.01	0.01		211.25		0.02		211.62

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	8.39	66.18	41.03	0.07		3.21	3.21		3.21	3.21	0.00	7,510.81		0.75		7,526.57
Total	8.39	66.18	41.03	0.07		3.21	3.21		3.21	3.21	0.00	7,510.81		0.75		7,526.57

3.2 Demolition - 2014

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	0.18	0.23	1.94	0.00	0.30	0.01	0.32	0.00	0.01	0.01		211.25		0.02		211.62
Total	0.18	0.23	1.94	0.00	0.30	0.01	0.32	0.00	0.01	0.01		211.25		0.02		211.62

3.3 Site Preparation - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.48	0.00	19.48	9.95	0.00	9.95						0.00
Off-Road	9.37	74.88	43.05	0.07		3.61	3.61		3.61	3.61		7,997.69		0.84		8,015.31
Total	9.37	74.88	43.05	0.07	19.48	3.61	23.09	9.95	3.61	13.56		7,997.69		0.84		8,015.31

3.3 Site Preparation - 2014

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	5.90	61.15	37.14	0.09	112.56	2.08	114.64	0.11	1.92	2.03		9,896.44		0.29		9,902.48
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	0.21	0.28	2.33	0.00	0.37	0.01	0.38	0.00	0.01	0.02		253.50		0.02		253.94
Total	6.11	61.43	39.47	0.09	112.93	2.09	115.02	0.11	1.93	2.05		10,149.94		0.31		10,156.42

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					19.48	0.00	19.48	9.95	0.00	9.95						0.00
Off-Road	9.37	74.88	43.05	0.07		3.61	3.61		3.61	3.61	0.00	7,997.69		0.84		8,015.31
Total	9.37	74.88	43.05	0.07	19.48	3.61	23.09	9.95	3.61	13.56	0.00	7,997.69		0.84		8,015.31

3.3 Site Preparation - 2014

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	5.90	61.15	37.14	0.09	112.56	2.08	114.64	0.11	1.92	2.03		9,896.44		0.29		9,902.48
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	0.21	0.28	2.33	0.00	0.37	0.01	0.38	0.00	0.01	0.02		253.50		0.02		253.94
Total	6.11	61.43	39.47	0.09	112.93	2.09	115.02	0.11	1.93	2.05		10,149.94		0.31		10,156.42

3.4 Grading - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.48	0.00	6.48	3.31	0.00	3.31						0.00
Off-Road	11.22	90.65	50.83	0.10		4.18	4.18		4.18	4.18		10,856.65		1.00		10,877.72
Total	11.22	90.65	50.83	0.10	6.48	4.18	10.66	3.31	4.18	7.49		10,856.65		1.00		10,877.72

3.4 Grading - 2014

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	0.13	1.30	0.79	0.00	6.59	0.04	6.64	0.00	0.04	0.04		211.16		0.01		211.29
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	0.24	0.31	2.59	0.00	0.41	0.01	0.42	0.01	0.01	0.02		281.66		0.02		282.16
Total	0.37	1.61	3.38	0.00	7.00	0.05	7.06	0.01	0.05	0.06		492.82		0.03		493.45

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					6.48	0.00	6.48	3.31	0.00	3.31						0.00
Off-Road	11.22	90.65	50.83	0.10		4.18	4.18		4.18	4.18	0.00	10,856.65		1.00		10,877.72
Total	11.22	90.65	50.83	0.10	6.48	4.18	10.66	3.31	4.18	7.49	0.00	10,856.65		1.00		10,877.72

3.4 Grading - 2014

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	0.13	1.30	0.79	0.00	6.59	0.04	6.64	0.00	0.04	0.04		211.16		0.01		211.29
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	0.24	0.31	2.59	0.00	0.41	0.01	0.42	0.01	0.01	0.02		281.66		0.02		282.16
Total	0.37	1.61	3.38	0.00	7.00	0.05	7.06	0.01	0.05	0.06		492.82		0.03		493.45

3.5 Building Construction - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.74	32.06	23.20	0.04		2.02	2.02		2.02	2.02		4,040.61		0.42		4,049.51
Total	4.74	32.06	23.20	0.04		2.02	2.02		2.02	2.02		4,040.61		0.42		4,049.51

3.5 Building Construction - 2014

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	5.22	47.67	41.16	0.08	2.75	1.53	4.28	0.07	1.41	1.48		8,113.67		0.25		8,119.02
Worker	10.16	13.18	110.05	0.12	17.28	0.64	17.91	0.23	0.59	0.82		11,984.72		1.00		12,005.72
Total	15.38	60.85	151.21	0.20	20.03	2.17	22.19	0.30	2.00	2.30		20,098.39		1.25		20,124.74

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	4.74	32.06	23.20	0.04		2.02	2.02		2.02	2.02	0.00	4,040.61		0.42		4,049.51
Total	4.74	32.06	23.20	0.04		2.02	2.02		2.02	2.02	0.00	4,040.61		0.42		4,049.51

3.5 Building Construction - 2014

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	5.22	47.67	41.16	0.08	2.75	1.53	4.28	0.07	1.41	1.48		8,113.67		0.25		8,119.02
Worker	10.16	13.18	110.05	0.12	17.28	0.64	17.91	0.23	0.59	0.82		11,984.72		1.00		12,005.72
Total	15.38	60.85	151.21	0.20	20.03	2.17	22.19	0.30	2.00	2.30		20,098.39		1.25		20,124.74

3.5 Building Construction - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.34	29.16	22.98	0.04		1.80	1.80		1.80	1.80		4,040.61		0.39		4,048.81
Total	4.34	29.16	22.98	0.04		1.80	1.80		1.80	1.80		4,040.61		0.39		4,048.81

3.5 Building Construction - 2015

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	4.79	43.66	38.04	0.08	2.75	1.39	4.14	0.07	1.28	1.35		8,127.32		0.23		8,132.22
Worker	9.34	12.02	100.21	0.12	17.28	0.64	17.91	0.23	0.59	0.82		11,721.06		0.92		11,740.34
Total	14.13	55.68	138.25	0.20	20.03	2.03	22.05	0.30	1.87	2.17		19,848.38		1.15		19,872.56

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	4.34	29.16	22.98	0.04		1.80	1.80		1.80	1.80	0.00	4,040.61		0.39		4,048.81
Total	4.34	29.16	22.98	0.04		1.80	1.80		1.80	1.80	0.00	4,040.61		0.39		4,048.81

3.5 Building Construction - 2015

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	4.79	43.66	38.04	0.08	2.75	1.39	4.14	0.07	1.28	1.35		8,127.32		0.23		8,132.22
Worker	9.34	12.02	100.21	0.12	17.28	0.64	17.91	0.23	0.59	0.82		11,721.06		0.92		11,740.34
Total	14.13	55.68	138.25	0.20	20.03	2.03	22.05	0.30	1.87	2.17		19,848.38		1.15		19,872.56

3.5 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.99	26.52	22.80	0.04		1.58	1.58		1.58	1.58		4,040.61		0.36		4,048.10
Total	3.99	26.52	22.80	0.04		1.58	1.58		1.58	1.58		4,040.61		0.36		4,048.10

3.5 Building Construction - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	4.40	40.18	35.19	0.08	2.75	1.27	4.02	0.07	1.16	1.23		8,139.82		0.21		8,144.30
Worker	8.60	10.97	91.38	0.12	17.28	0.64	17.91	0.23	0.59	0.82		11,449.13		0.84		11,466.83
Total	13.00	51.15	126.57	0.20	20.03	1.91	21.93	0.30	1.75	2.05		19,588.95		1.05		19,611.13

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	3.99	26.52	22.80	0.04		1.58	1.58		1.58	1.58	0.00	4,040.61		0.36		4,048.10
Total	3.99	26.52	22.80	0.04		1.58	1.58		1.58	1.58	0.00	4,040.61		0.36		4,048.10

3.5 Building Construction - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	4.40	40.18	35.19	0.08	2.75	1.27	4.02	0.07	1.16	1.23		8,139.82		0.21		8,144.30
Worker	8.60	10.97	91.38	0.12	17.28	0.64	17.91	0.23	0.59	0.82		11,449.13		0.84		11,466.83
Total	13.00	51.15	126.57	0.20	20.03	1.91	21.93	0.30	1.75	2.05		19,588.95		1.05		19,611.13

3.5 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	3.66	24.08	22.64	0.04		1.39	1.39		1.39	1.39		4,040.61		0.33		4,047.45
Total	3.66	24.08	22.64	0.04		1.39	1.39		1.39	1.39		4,040.61		0.33		4,047.45

3.5 Building Construction - 2017

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	4.08	37.14	32.89	0.08	2.75	1.16	3.91	0.07	1.06	1.13		8,150.61		0.20		8,154.77
Worker	7.92	10.00	83.26	0.12	17.28	0.64	17.91	0.23	0.59	0.82		11,196.08		0.78		11,212.42
Total	12.00	47.14	116.15	0.20	20.03	1.80	21.82	0.30	1.65	1.95		19,346.69		0.98		19,367.19

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	3.66	24.08	22.64	0.04		1.39	1.39		1.39	1.39	0.00	4,040.61		0.33		4,047.45
Total	3.66	24.08	22.64	0.04		1.39	1.39		1.39	1.39	0.00	4,040.61		0.33		4,047.45

3.5 Building Construction - 2017

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	4.08	37.14	32.89	0.08	2.75	1.16	3.91	0.07	1.06	1.13		8,150.61		0.20		8,154.77
Worker	7.92	10.00	83.26	0.12	17.28	0.64	17.91	0.23	0.59	0.82		11,196.08		0.78		11,212.42
Total	12.00	47.14	116.15	0.20	20.03	1.80	21.82	0.30	1.65	1.95		19,346.69		0.98		19,367.19

3.5 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	3.34	21.78	22.50	0.04		1.20	1.20		1.20	1.20		4,040.62		0.30		4,046.87
Total	3.34	21.78	22.50	0.04		1.20	1.20		1.20	1.20		4,040.62		0.30		4,046.87

3.5 Building Construction - 2018

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	3.79	34.49	30.92	0.08	2.75	1.06	3.81	0.07	0.98	1.05		8,160.03		0.18		8,163.89
Worker	7.31	9.13	76.07	0.12	17.28	0.63	17.91	0.23	0.59	0.82		10,960.53		0.72		10,975.57
Total	11.10	43.62	106.99	0.20	20.03	1.69	21.72	0.30	1.57	1.87		19,120.56		0.90		19,139.46

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	3.34	21.78	22.50	0.04		1.20	1.20		1.20	1.20	0.00	4,040.62		0.30		4,046.87
Total	3.34	21.78	22.50	0.04		1.20	1.20		1.20	1.20	0.00	4,040.62		0.30		4,046.87

3.5 Building Construction - 2018

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	3.79	34.49	30.92	0.08	2.75	1.06	3.81	0.07	0.98	1.05		8,160.03		0.18		8,163.89
Worker	7.31	9.13	76.07	0.12	17.28	0.63	17.91	0.23	0.59	0.82		10,960.53		0.72		10,975.57
Total	11.10	43.62	106.99	0.20	20.03	1.69	21.72	0.30	1.57	1.87		19,120.56		0.90		19,139.46

3.5 Building Construction - 2019

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	3.05	19.73	22.36	0.04		1.03	1.03		1.03	1.03		4,040.62		0.27		4,046.36
Total	3.05	19.73	22.36	0.04		1.03	1.03		1.03	1.03		4,040.62		0.27		4,046.36

3.5 Building Construction - 2019

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	3.53	32.20	29.10	0.08	2.75	0.98	3.73	0.07	0.90	0.97		8,170.22		0.17		8,173.81
Worker	6.81	8.36	69.88	0.12	17.28	0.63	17.91	0.23	0.59	0.82		10,744.41		0.66		10,758.38
Total	10.34	40.56	98.98	0.20	20.03	1.61	21.64	0.30	1.49	1.79		18,914.63		0.83		18,932.19

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	3.05	19.73	22.36	0.04		1.03	1.03		1.03	1.03	0.00	4,040.62		0.27		4,046.36
Total	3.05	19.73	22.36	0.04		1.03	1.03		1.03	1.03	0.00	4,040.62		0.27		4,046.36

3.5 Building Construction - 2019

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	3.53	32.20	29.10	0.08	2.75	0.98	3.73	0.07	0.90	0.97		8,170.22		0.17		8,173.81
Worker	6.81	8.36	69.88	0.12	17.28	0.63	17.91	0.23	0.59	0.82		10,744.41		0.66		10,758.38
Total	10.34	40.56	98.98	0.20	20.03	1.61	21.64	0.30	1.49	1.79		18,914.63		0.83		18,932.19

3.6 Paving - 2019

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	23.14	19.98	0.03		1.82	1.82		1.82	1.82		2,917.64		0.34		2,924.71
Paving	0.35					0.00	0.00		0.00	0.00						0.00
Total	4.10	23.14	19.98	0.03		1.82	1.82		1.82	1.82		2,917.64		0.34		2,924.71

3.6 Paving - 2019

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	0.12	0.15	1.23	0.00	0.30	0.01	0.32	0.00	0.01	0.01		189.38		0.01		189.63
Total	0.12	0.15	1.23	0.00	0.30	0.01	0.32	0.00	0.01	0.01		189.38		0.01		189.63

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	23.14	19.98	0.03		1.82	1.82		1.82	1.82	0.00	2,917.64		0.34		2,924.71
Paving	0.35					0.00	0.00		0.00	0.00						0.00
Total	4.10	23.14	19.98	0.03		1.82	1.82		1.82	1.82	0.00	2,917.64		0.34		2,924.71

3.6 Paving - 2019

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	0.12	0.15	1.23	0.00	0.30	0.01	0.32	0.00	0.01	0.01		189.38		0.01		189.63
Total	0.12	0.15	1.23	0.00	0.30	0.01	0.32	0.00	0.01	0.01		189.38		0.01		189.63

3.7 Architectural Coating - 2019

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	633.51					0.00	0.00		0.00	0.00						0.00
Off-Road	0.27	1.83	1.84	0.00		0.13	0.13		0.13	0.13		281.19		0.02		281.69
Total	633.78	1.83	1.84	0.00		0.13	0.13		0.13	0.13		281.19		0.02		281.69

3.7 Architectural Coating - 2019

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	1.36	1.67	13.96	0.02	3.45	0.13	3.58	0.05	0.12	0.16		2,146.36		0.13		2,149.15
Total	1.36	1.67	13.96	0.02	3.45	0.13	3.58	0.05	0.12	0.16		2,146.36		0.13		2,149.15

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	633.51					0.00	0.00		0.00	0.00						0.00
Off-Road	0.27	1.83	1.84	0.00		0.13	0.13		0.13	0.13	0.00	281.19		0.02		281.69
Total	633.78	1.83	1.84	0.00		0.13	0.13		0.13	0.13	0.00	281.19		0.02		281.69

3.7 Architectural Coating - 2019

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	1.36	1.67	13.96	0.02	3.45	0.13	3.58	0.05	0.12	0.16		2,146.36		0.13		2,149.15
Total	1.36	1.67	13.96	0.02	3.45	0.13	3.58	0.05	0.12	0.16		2,146.36		0.13		2,149.15

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	6.86	14.94	60.21	0.11	13.10	0.63	13.73	0.19	0.61	0.79		9,448.81		0.44		9,457.96
Unmitigated	6.86	14.94	60.21	0.11	13.10	0.63	13.73	0.19	0.61	0.79		9,448.81		0.44		9,457.96
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Health Club	350.00	350.00	350.00	628,056	628,056
Hotel	841.51	843.57	612.85	1,625,696	1,625,696
Hotel	490.20	491.40	357.00	947,007	947,007
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Single Family Housing	162.69	171.36	149.09	610,632	610,632
Total	1,844.40	1,856.33	1,468.94	3,811,391	3,811,391

4.3 Trip Type Information

Land Use	Miles			Trip %		
	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
Health Club	14.70	6.60	6.60	16.90	64.10	19.00
Hotel	14.70	6.60	6.60	19.40	61.60	19.00
Hotel	14.70	6.60	6.60	19.40	61.60	19.00
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00
Other Non-Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00
Single Family Housing	16.80	7.10	7.90	44.00	18.80	37.20

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					
Natural Gas Mitigated	0.36	3.27	2.68	0.02		0.00	0.25		0.00	0.25		3,936.99		0.08	0.07	3,960.95
Natural Gas Unmitigated	0.36	3.27	2.68	0.02		0.00	0.25		0.00	0.25		3,936.99		0.08	0.07	3,960.95
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					
Health Club	5256.71	0.06	0.52	0.43	0.00		0.00	0.04		0.00	0.04		618.44		0.01	0.01	622.20
Hotel	11070.2	0.12	1.09	0.91	0.01		0.00	0.08		0.00	0.08		1,302.38		0.02	0.02	1,310.30
Hotel	15340.3	0.17	1.50	1.26	0.01		0.00	0.11		0.00	0.11		1,804.75		0.03	0.03	1,815.73
Other Asphalt Surfaces	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Other Non-Asphalt Surfaces	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Parking Lot	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Single Family Housing	1797.13	0.02	0.17	0.07	0.00		0.00	0.01		0.00	0.01		211.43		0.00	0.00	212.71
Total		0.37	3.28	2.67	0.02		0.00	0.24		0.00	0.24		3,937.00		0.06	0.06	3,960.94

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					
Health Club	5.25671	0.06	0.52	0.43	0.00		0.00	0.04		0.00	0.04		618.44		0.01	0.01	622.20
Hotel	11.0702	0.12	1.09	0.91	0.01		0.00	0.08		0.00	0.08		1,302.38		0.02	0.02	1,310.30
Hotel	15.3403	0.17	1.50	1.26	0.01		0.00	0.11		0.00	0.11		1,804.75		0.03	0.03	1,815.73
Other Asphalt Surfaces	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Other Non-Asphalt Surfaces	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Parking Lot	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Single Family Housing	1.79713	0.02	0.17	0.07	0.00		0.00	0.01		0.00	0.01		211.43		0.00	0.00	212.71
Total		0.37	3.28	2.67	0.02		0.00	0.24		0.00	0.24		3,937.00		0.06	0.06	3,960.94

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	65.71	0.18	14.66	0.01		0.00	1.93		0.00	1.93	218.96	200.56		0.44	0.01	433.31
Unmitigated	65.71	0.18	14.66	0.01		0.00	1.93		0.00	1.93	218.96	200.56		0.44	0.01	433.31
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	13.02					0.00	0.00		0.00	0.00						0.00
Consumer Products	43.68					0.00	0.00		0.00	0.00						0.00
Hearth	8.97	0.16	13.24	0.01		0.00	1.93		0.00	1.93	218.96	198.00		0.44	0.01	430.70
Landscaping	0.04	0.02	1.42	0.00		0.00	0.01		0.00	0.01		2.56		0.00		2.61
Total	65.71	0.18	14.66	0.01		0.00	1.94		0.00	1.94	218.96	200.56		0.44	0.01	433.31

6.2 Area by SubCategory

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	13.02					0.00	0.00		0.00	0.00						0.00
Consumer Products	43.68					0.00	0.00		0.00	0.00						0.00
Hearth	8.97	0.16	13.24	0.01		0.00	1.93		0.00	1.93	218.96	198.00		0.44	0.01	430.70
Landscaping	0.04	0.02	1.42	0.00		0.00	0.01		0.00	0.01		2.56		0.00		2.61
Total	65.71	0.18	14.66	0.01		0.00	1.94		0.00	1.94	218.96	200.56		0.44	0.01	433.31

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation
