

APPENDIX B
*Air Pollutant and Greenhouse Gas
Emissions Estimates*

**SOCWA CTP Export Sludge Force Main Replacement Project
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
User Defined Industrial	50	User Defined Unit

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)		Utility Company	Southern California Edison
Climate Zone	8		2.2		
		Precipitation Freq (Days)			
			30		

1.3 User Entered Comments

Project Characteristics -
 Land Use - Assumed: 1.15 acres; 50,000 SF
 Construction Phase - Trenching (Pipeline Installation): 4/1/2013 - 11/15/2013.
 Hauls Trucks (modeled under Building Construction): 7/1/2013 - 7/19/2013.
 Off-road Equipment - Trenching Phase: Excavators: 1. Tractors/Loaders/Backhoes: 1.
 Off-road Equipment - Haul Trucks: No equipment
 Trips and VMT - Trenching Phase: 16 worker trips/day. 2 vendor trips/day. 0 total haul truck trips.
 Haul Trucks Phase: 0 worker trips/day. 0 vendor trips/day. 180 total haul truck trips (12 one-way trips/day). 5 mile one-way distance.
 Construction Off-road Equipment Mitigation - Water Exposed Area 3 times/day

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					
2013	1.88	13.22	11.16	0.02	1.32	0.80	2.12	0.02	0.80	0.82	0.00	1,807.02	0.00	0.16	0.00	1,810.37
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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					
2013	1.88	13.22	11.16	0.02	1.32	0.80	2.12	0.02	0.80	0.82	0.00	1,807.02	0.00	0.16	0.00	1,810.37
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

3.0 Construction Detail

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Trenching - 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	1.52	10.78	8.14	0.01		0.71	0.71		0.71	0.71		1,309.22		0.14		1,312.07
Total	1.52	10.78	8.14	0.01		0.71	0.71		0.71	0.71		1,309.22		0.14		1,312.07

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	0.03	0.33	0.23	0.00	0.02	0.01	0.03	0.00	0.01	0.01		53.57		0.00		53.60
Worker	0.10	0.11	1.01	0.00	0.25	0.01	0.25	0.01	0.01	0.02		182.06		0.01		182.27
Total	0.13	0.44	1.24	0.00	0.27	0.02	0.28	0.01	0.02	0.03		235.63		0.01		235.87

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.52	10.78	8.14	0.01		0.71	0.71		0.71	0.71	0.00	1,309.22		0.14		1,312.07
Total	1.52	10.78	8.14	0.01		0.71	0.71		0.71	0.71	0.00	1,309.22		0.14		1,312.07

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	0.03	0.33	0.23	0.00	0.02	0.01	0.03	0.00	0.01	0.01		53.57		0.00		53.60
Worker	0.10	0.11	1.01	0.00	0.25	0.01	0.25	0.01	0.01	0.02		182.06		0.01		182.27
Total	0.13	0.44	1.24	0.00	0.27	0.02	0.28	0.01	0.02	0.03		235.63		0.01		235.87

3.3 Haul Trucks - 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	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00

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	0.23	2.01	1.78	0.00	1.06	0.07	1.12	0.01	0.07	0.07		262.17		0.01		262.42
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Total	0.23	2.01	1.78	0.00	1.06	0.07	1.12	0.01	0.07	0.07		262.17		0.01		262.42

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					
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00		0.00		0.00
Total	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00		0.00		0.00

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	0.23	2.01	1.78	0.00	1.06	0.07	1.12	0.01	0.07	0.07		262.17		0.01		262.42
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Total	0.23	2.01	1.78	0.00	1.06	0.07	1.12	0.01	0.07	0.07		262.17		0.01		262.42

4.0 Mobile Detail

5.0 Energy Detail

6.0 Area Detail

7.0 Water Detail

8.0 Waste Detail

9.0 Vegetation

**SOCWA CTP Export Sludge Force Main Replacement Project
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
User Defined Industrial	50	User Defined Unit

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)		Utility Company	Southern California Edison
Climate Zone	8		2.2		
		Precipitation Freq (Days)			
			30		

1.3 User Entered Comments

Project Characteristics -
 Land Use - Assumed: 1.15 acres; 50,000 SF
 Construction Phase - Trenching (Pipeline Installation): 4/1/2013 - 11/15/2013.
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 Off-road Equipment - Haul Trucks: No equipment
 Trips and VMT - Trenching Phase: 16 worker trips/day. 2 vendor trips/day. 0 total haul truck trips.
 Haul Trucks Phase: 0 worker trips/day. 0 vendor trips/day. 180 total haul truck trips (12 one-way trips/day). 5 mile one-way distance.
 Construction Off-road Equipment Mitigation - Water Exposed Area 3 times/day

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					
2013	1.86	13.13	10.95	0.02	1.32	0.80	2.12	0.02	0.80	0.81	0.00	1,823.73	0.00	0.16	0.00	1,827.07
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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					
2013	1.86	13.13	10.95	0.02	1.32	0.80	2.12	0.02	0.80	0.81	0.00	1,823.73	0.00	0.16	0.00	1,827.07
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

3.0 Construction Detail

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Trenching - 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	1.52	10.78	8.14	0.01		0.71	0.71		0.71	0.71		1,309.22		0.14		1,312.07
Total	1.52	10.78	8.14	0.01		0.71	0.71		0.71	0.71		1,309.22		0.14		1,312.07

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	0.03	0.31	0.21	0.00	0.02	0.01	0.03	0.00	0.01	0.01		53.88		0.00		53.91
Worker	0.09	0.09	1.07	0.00	0.25	0.01	0.25	0.01	0.01	0.02		194.74		0.01		194.96
Total	0.12	0.40	1.28	0.00	0.27	0.02	0.28	0.01	0.02	0.03		248.62		0.01		248.87

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.52	10.78	8.14	0.01		0.71	0.71		0.71	0.71	0.00	1,309.22		0.14		1,312.07
Total	1.52	10.78	8.14	0.01		0.71	0.71		0.71	0.71	0.00	1,309.22		0.14		1,312.07

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	0.03	0.31	0.21	0.00	0.02	0.01	0.03	0.00	0.01	0.01		53.88		0.00		53.91
Worker	0.09	0.09	1.07	0.00	0.25	0.01	0.25	0.01	0.01	0.02		194.74		0.01		194.96
Total	0.12	0.40	1.28	0.00	0.27	0.02	0.28	0.01	0.02	0.03		248.62		0.01		248.87

3.3 Haul Trucks - 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	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00

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	0.22	1.95	1.54	0.00	1.06	0.06	1.12	0.01	0.06	0.07		265.89		0.01		266.12
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Total	0.22	1.95	1.54	0.00	1.06	0.06	1.12	0.01	0.06	0.07		265.89		0.01		266.12

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					
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00		0.00		0.00
Total	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00		0.00		0.00

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	0.22	1.95	1.54	0.00	1.06	0.06	1.12	0.01	0.06	0.07		265.89		0.01		266.12
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Total	0.22	1.95	1.54	0.00	1.06	0.06	1.12	0.01	0.06	0.07		265.89		0.01		266.12

4.0 Mobile Detail

5.0 Energy Detail

6.0 Area Detail

7.0 Water Detail

8.0 Waste Detail

9.0 Vegetation

**SOCWA CTP Export Sludge Force Main Replacement Project
Orange County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
User Defined Industrial	50	User Defined Unit

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)		Utility Company	Southern California Edison
Climate Zone	8		2.2		
		Precipitation Freq (Days)			
			30		

1.3 User Entered Comments

Project Characteristics -
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 Off-road Equipment - Haul Trucks: No equipment
 Trips and VMT - Trenching Phase: 16 worker trips/day. 2 vendor trips/day. 0 total haul truck trips.
 Haul Trucks Phase: 0 worker trips/day. 0 vendor trips/day. 180 total haul truck trips (12 one-way trips/day). 5 mile one-way distance.
 Construction Off-road Equipment Mitigation - Water Exposed Area 3 times/day

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					
2013	0.14	0.94	0.79	0.00	0.03	0.06	0.09	0.00	0.06	0.06	0.00	117.71	117.71	0.01	0.00	117.94
Total	0.14	0.94	0.79	0.00	0.03	0.06	0.09	0.00	0.06	0.06	0.00	117.71	117.71	0.01	0.00	117.94

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					
2013	0.14	0.94	0.79	0.00	0.03	0.06	0.09	0.00	0.06	0.06	0.00	117.71	117.71	0.01	0.00	117.94
Total	0.14	0.94	0.79	0.00	0.03	0.06	0.09	0.00	0.06	0.06	0.00	117.71	117.71	0.01	0.00	117.94

3.0 Construction Detail

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Trenching - 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	0.13	0.89	0.67	0.00		0.06	0.06		0.06	0.06	0.00	97.96	97.96	0.01	0.00	98.17
Total	0.13	0.89	0.67	0.00		0.06	0.06		0.06	0.06	0.00	97.96	97.96	0.01	0.00	98.17

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	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.02	4.02	0.00	0.00	4.03
Worker	0.01	0.01	0.09	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	13.93	13.93	0.00	0.00	13.95
Total	0.01	0.04	0.11	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	17.95	17.95	0.00	0.00	17.98

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	0.13	0.89	0.67	0.00		0.06	0.06		0.06	0.06	0.00	97.96	97.96	0.01	0.00	98.17
Total	0.13	0.89	0.67	0.00		0.06	0.06		0.06	0.06	0.00	97.96	97.96	0.01	0.00	98.17

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	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.02	4.02	0.00	0.00	4.03
Worker	0.01	0.01	0.09	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	13.93	13.93	0.00	0.00	13.95
Total	0.01	0.04	0.11	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	17.95	17.95	0.00	0.00	17.98

3.3 Haul Trucks - 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	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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	0.01	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	1.80	1.80	0.00	0.00	1.80
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	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	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.01	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	1.80	1.80	0.00	0.00	1.80

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	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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	0.01	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	1.80	1.80	0.00	0.00	1.80
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	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	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.01	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	1.80	1.80	0.00	0.00	1.80

4.0 Mobile Detail

5.0 Energy Detail

6.0 Area Detail

7.0 Water Detail

8.0 Waste Detail

9.0 Vegetation
