

Table 4.3-8: Proposed Project Construction Air Emissions

Year 2016	Maximum Daily Construction Emissions, lbs/day					
Segment A	ROG	CO	NOx	SOx	PM₁₀	PM_{2.5}
Construction Equipment	1.50	10.04	19.69	0.02	0.68	0.60
Construction Truck Trips	0.22	0.95	3.50	0.01	0.27	0.13
Worker Trips	4.90	47.11	4.24	0.07	1.07	0.42
Helicopter	10.91	43.51	15.36	1.11	11.68	11.68
Fugitive Dust (Mitigated)					9.77	2.05
Subtotal	17.53	101.61	42.79	1.21	23.46	14.88
Segment B	ROG	CO	NOx	SOx	PM₁₀	PM_{2.5}
Construction Equipment	7.70	47.16	62.89	0.08	3.56	3.17
Construction Truck Trips	0.93	3.56	15.87	0.03	0.96	0.43
Worker Trips	1.51	14.57	4.24	0.02	0.33	0.13
Fugitive Dust (Mitigated)					5.89	1.24
Subtotal	10.14	65.29	83.00	0.13	10.74	4.97
Segment C	ROG	CO	NOx	SOx	PM₁₀	PM_{2.5}
Construction Equipment	2.90	14.55	20.20	0.03	0.94	0.84
Construction Truck Trips	0.06	0.24	0.95	0.00	0.06	0.03
Worker Trips	1.57	15.06	4.24	0.02	0.34	0.13
Fugitive Dust (Mitigated)					24.09	5.06
Subtotal	4.53	29.85	25.39	0.05	25.43	6.06
Segment D	ROG	CO	NOx	SOx	PM₁₀	PM_{2.5}
Construction Equipment	0.38	2.60	5.31	0.01	0.14	0.13
Construction Truck Trips	0.03	0.13	0.40	0.00	0.03	0.02
Worker Trips	1.57	15.06	4.24	0.02	0.34	0.13
Fugitive Dust (Mitigated)					11.84	2.49
Subtotal	1.97	17.79	9.95	0.03	12.36	2.77
<i>Maximum Daily Emissions, 2016</i>	34.17	214.54	161.13	1.42	71.99	28.67
<i>Total Emissions, 2016, tons</i>	2.07	13.14	7.80	0.15	2.14	1.81

Table 4.3-8 (cont.): Proposed Project Construction Air Emissions

Year 2017	Maximum Daily Construction Emissions, lbs/day					
Segment A	ROG	CO	NOx	SOx	PM₁₀	PM_{2.5}
Construction Equipment	9.68	53.81	80.06	0.10	3.04	2.71
Construction Truck Trips	0.33	1.44	5.28	0.01	0.44	0.29
Worker Trips	0.73	6.74	0.60	0.01	0.17	0.06

Table 4.3-8 (cont.): Proposed Project Construction Air Emissions

Helicopter	1.03	4.50	4.50	0.31	3.25	3.25
Subtotal	11.77	66.49	90.44	0.44	6.90	6.32
Segment B						
Segment B	ROG	CO	NO_x	SO_x	PM₁₀	PM_{2.5}
Construction Equipment	1.88	18.74	30.33	0.04	0.89	0.79
Construction Truck Trips	0.16	0.76	2.46	0.00	0.26	0.17
Worker Trips	0.83	7.64	0.68	0.01	0.19	0.07
Subtotal	2.88	27.14	33.48	0.05	1.33	1.04
Segment D						
Segment D	ROG	CO	NO_x	SO_x	PM₁₀	PM_{2.5}
Construction Equipment	3.91	20.36	34.15	0.04	1.14	1.02
Construction Truck Trips	0.15	0.62	2.35	0.00	0.19	0.12
Worker Trips	0.44	4.04	0.36	0.01	0.10	0.04
Subtotal	4.50	25.02	36.86	0.05	1.43	1.18
<i>Maximum Daily Emissions, 2017</i>	19.15	118.65	160.78	0.55	9.66	8.53
<i>Total Emissions, 2017, tons</i>	2.23	13.83	9.56	0.15	2.02	1.92

Notes: ROG = reactive organic gases; NO_x = nitrogen oxides; CO = carbon monoxide; SO_x = sulfur oxides; PM₁₀ = particulate matter, up to 10 microns; PM_{2.5} = particulate matter, up to 2.5 microns.

Refer to Appendix 4.3-A, Air Quality Construction Emissions, for assumptions used in this analysis, including quantified emissions reduction by control measures.

Controlled emissions calculated assuming standard fugitive dust control measures, including watering the site three times daily, as SDG&E's ordinary construction restrictions require.

Table 4.3-9: Criteria Air Pollutant Emissions from Operation and Maintenance

Emissions Source	Pollutant (pounds per day)					
	ROG	NOx	CO	SOx	PM ₁₀	PM _{2.5}
Daily Emissions	0.27	4.42	1.43	0.01	0.22	0.10
SDAPCD Thresholds	75	250	550	250	100	55
Is Threshold Exceeded?	No	No	No	No	No	No

Table 4.3-10: Greenhouse Gas Construction Emissions

	GHG Emissions (metric tons[MT])			
	CO ₂	CH ₄	N ₂ O	CO ₂ e
Total GHG Emissions	2,460.43	0.20	1.08	2800.61
Global Warming Potential	1	21	310	-
CO ₂ Equivalent	2,460	4	335	2,801
CO ₂ Equivalent Total	2,801			

Table 4.3-11: Greenhouse Gas Operational Emissions

	Annual GHG Emissions (metric tons[MT])			
	CO ₂	CH ₄	N ₂ O	CO ₂ e
Total Operational GHG Emissions	4	0.00	0.00	4
Global Warming Potential	1	21	310	-
CO ₂ Equivalent	4	0	0	4
CO ₂ Equivalent Total	4			