

APPENDIX C

Air Quality Emission Tables

Appendix C Air Quality Emission Tables

Table C-1 Salton Sea Air Basin O₃ Exceedances (2010–2019)

Year			1-Hour Maximums		8-Hour Averages				
	State		National	State Max	State DV	State Max	State DV	Nat. Max	Nat. DV
	1-hour	8-hour	8-hour	ppm	ppm	ppm	ppm	ppm	ppm
2019	10	63	59	0.106	0.11	0.089	0.099	0.089	0.089
2018	13	81	77	0.111	0.11	0.099	0.099	0.099	0.091
2017	23	78	73	0.122	0.11	0.097	0.097	0.097	0.088
2016	12	61	58	0.108	0.10	0.092	0.093	0.092	0.087
2015 ¹	6	58	54/30?	0.106	0.10	0.093	0.094	0.092	0.088
2014	14	71	38	0.108	0.11	0.094	0.101	0.093	0.091
2013	20	89	53	0.113	0.11	0.104	0.101	0.104	0.092
2012	27	93	58	0.126	0.12	0.101	0.101	0.100	0.092
2011	29	81	59	0.124	0.12	0.099	0.099	0.098	0.093
2010	31	94	63	0.149	0.12	0.099	0.101	0.099	0.095

Sources: CARB 2020 Nat Ozone, CARB 2020 State Ozone

Table C-2 Salton Sea Air Basin PM₁₀ Exceedances (2010–2019)

Year	Estimated Days over Standard	Annual Averages	3-Year Averages	24-Hour Maximum	
		State	State	National	State
	State	µg/m ³	µg/m ³	µg/m ³	µg/m ³
2019	112.0	44.5	52	324.4	323.5
2018	113.0	51.5	52	422.3	419.0
2017	81.5	41.7	59	477.6	425.0
2016	135.7	54.2	54	732.9	265.8
2015	128.2	46.5	51	381.0	406.1
2014	183.7	58.7	64	471.8	477.6
2013	145.8	52.3	64	359.3	385.7
2012	210.0	63.7	64	406.2	387.3
2011	93.4	40.9	65	396.9	324.0
2010	55.0	37.7	65	144.8	117.3

Sources: CARB 2020 PM10

Table C-3 Salton Sea Air Basin PM_{2.5} Exceedances (2010–2019)

Year	Annual Averages				2006 National 24-Hour Standard			24-Hour Maximum	
	Nat.	Nat. DV	State	State DV	98 th %	Nat. DV	Est. Days Over	National	State
	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³		µg/m ³	µg/m ³
2019	10.7	9.4	9.5	10	27.0	33	1.1	53.1	53.1
2018	10.4	10.4	10.4	13	40.1	35	6.1	90.6	90.6
2017	11.9	12.0	9.4	13	30.7	31	5.5	49.1	187.5
2016	12.5	12.6	12.9	13	34.2	33	5.9	57.9	57.9
2015	11.6	12.9	6.6	13	27.6	31	3.5	87.1	102.7
2014	13.8	7.5	7.3	14	38.6	20	9.9	51.7	58.9
2013	13.3	7.7	13.3	14	27.4	22	3.0	36.3	36.3
2012	8.1	7.2	14.2	14	22.7	20	0.0	64.7	64.7
2011	7.5	7.4	12.7	13	29.4	20	6.2	80.3	80.3
2010	12.8	7.7	6.6	17	31.7	32	6.3	50.9	50.9

Source: CARB 2020 PM_{2.5}

Figure C-4-1 Emissions from Proposed Project

Acreage		Days	Months	Years	Emissions Factors lbs/hp/hr ⁽¹⁾										Emissions lbs/day						Emissions, tons/yr						Emissions total (tons)					
19800		396	13.20	1.10	CO	NO _x	SO _x	PM10(b)	CO2(c)	CO	NO _x	SO _x	PM10	CO2	PM2.5	CO	NO _x	SO _x	PM10	CO2	PM2.5	CO	NO _x	SO _x	PM10	CO2	PM2.5					
Vehicle	Engine Size (HP)	Hours/day																														
Challenger Tractor - wheeled	396	8	1.15E+00										21.16 96.21 6.49 6.97 3643.20 5.23						3.86 17.92 1.19 1.27 664.88 0.55						4.25 19.72 1.30 1.40 731.37 1.05							
Backhoe - tracked	49	8	1.15E+00										2.62 12.15 0.80 0.86 450.80 0.65						0.48 2.22 0.15 0.16 82.27 0.12						0.53 2.44 0.16 0.17 90.50 0.13							
Water Truck - wheeled	300	8	1.15E+00										16.03 74.40 4.92 5.28 2760.00 3.96						2.93 13.58 0.90 0.96 503.70 0.72						3.22 14.54 0.99 1.06 554.07 0.79							
Sno-Cat - tracked	173	8	1.15E+00										9.25 42.90 2.84 3.04 1591.60 2.28						1.69 7.83 0.52 0.56 290.47 0.42						1.86 8.61 0.57 0.61 319.51 0.46							
Light Duty pickup truck	215	8	1.15E+00										11.49 53.32 3.53 3.78 1978.00 2.84						2.10 9.73 0.64 0.69 360.99 0.52						2.31 10.70 0.71 0.76 397.08 0.57							
Total										60.55	280.98	18.58	19.94	10423.60	14.96	8.95	41.55	2.75	2.95	1541.32	2.21	9.85	46.70	3.02	3.24	1695.45	2.43					

(1) AP-42, Vol. 3, 3.3: Gasoline And Diesel Industrial Engines

Figure C-4-2 Emissions from Alternative 1: Max Lake Edge

Acreage		Days	Months	Years	Emissions Factors lbs/hp/hr ⁽¹⁾										Emissions lbs/day						Emissions, tons/yr						Emissions total (tons)					
25690		513.8	17.13	1.43	CO	NO _x	SO _x	PM10(b)	CO2(c)	CO	NO _x	SO _x	PM10	CO2	PM2.5	CO	NO _x	SO _x	PM10	CO2	PM2.5	CO	NO _x	SO _x	PM10	CO2	PM2.5					
Vehicle	Engine Size (HP)	Hours/day																														
Challenger Tractor - wheeled	396	8	1.15E+00										21.16 96.21 6.49 6.97 3643.20 5.23						3.86 17.92 1.19 1.27 664.88 0.55						5.51 25.58 1.69 1.82 948.94 1.36							
Backhoe - tracked	49	8	1.15E+00										2.62 12.15 0.80 0.86 450.80 0.65						0.48 2.22 0.15 0.16 82.27 0.12						0.68 3.17 0.21 0.22 117.42 0.17							
Water Truck - wheeled	300	8	1.15E+00										16.03 74.40 4.92 5.28 2760.00 3.96						2.93 13.58 0.90 0.96 503.70 0.72						4.18 19.38 1.28 1.38 718.89 1.03							
Sno-Cat - tracked	173	8	1.15E+00										9.25 42.90 2.84 3.04 1591.60 2.28						1.69 7.83 0.52 0.56 290.47 0.42						2.41 11.18 0.74 0.79 414.56 0.59							
Light Duty pickup truck	215	8	1.15E+00										11.49 53.32 3.53 3.78 1978.00 2.84						2.10 9.73 0.64 0.69 360.99 0.52						2.99 13.89 0.92 0.99 515.21 0.74							
Total										60.55	280.98	18.58	19.94	10423.60	14.96	8.95	41.55	2.75	2.95	1541.32	2.21	12.78	59.30	3.92	4.21	2199.81	3.16					

(1) AP-42, Vol. 3, 3.3: Gasoline And Diesel Industrial Engines

Figure C-4-3 Emissions from Alternative 2: Enhance & Expand Exist Wetlands

Acreage		Days	Months	Years	Emissions Factors lbs/hp/hr ⁽¹⁾										Emissions lbs/day						Emissions, tons/yr						Emissions total (tons)					
25690		513.8	17.13	1.43	CO	NO _x	SO _x	PM10(b)	CO2(c)	CO	NO _x	SO _x	PM10	CO2	PM2.5	CO	NO _x	SO _x	PM10	CO2	PM2.5	CO	NO _x	SO _x	PM10	CO2	PM2.5					
Vehicle	Engine Size (HP)	Hours/day																														
Challenger Tractor - wheeled	396	8	1.15E+00										21.16 96.21 6.49 6.97 3643.20 5.23						3.86 17.92 1.19 1.27 664.88 0.55						5.51 25.58 1.69 1.82 948.94 1.36							
Backhoe - tracked	49	8	1.15E+00										2.62 12.15 0.80 0.86 450.80 0.65						0.48 2.22 0.15 0.16 82.27 0.12						0.68 3.17 0.21 0.22 117.42 0.17							
Water Truck - wheeled	300	8	1.15E+00										16.03 74.40 4.92 5.28 2760.00 3.96						2.93 13.58 0.90 0.96 503.70 0.72						4.18 19.38 1.28 1.38 718.89 1.03							
Sno-Cat - tracked	173	8	1.15E+00										9.25 42.90 2.84 3.04 1591.60 2.28						1.69 7.83 0.52 0.56 290.47 0.42						2.41 11.18 0.74 0.79 414.56 0.59							
Light Duty pickup truck	215	8	1.15E+00										11.49 53.32 3.53 3.78 1978.00 2.84						2.10 9.73 0.64 0.69 360.99 0.52						2.99 13.89 0.92 0.99 515.21 0.74							
Total										60.55	280.98	18.58	19.94	10423.60	14.96	8.95	41.55	2.75	2.95	1541.32	2.21	12.78	59.30	3.92	4.21	2199.81	3.16					

(1) AP-42, Vol. 3, 3.3: Gasoline And Diesel Industrial Engines

Figure C-4-4 Emissions from Alternative 3: No End/So End Aquatic Habitat

Acreage		Days	Months	Years	Emissions Factors lbs/hp/hr ⁽¹⁾										Emissions lbs/day						Emissions, tons/yr						Emissions total (tons)					
25690		513.8	17.13	1.43	CO	NO _x	SO _x	PM10(b)	CO2(c)	CO	NO _x	SO _x	PM10	CO2	PM2.5	CO	NO _x	SO _x	PM10	CO2	PM2.5	CO	NO _x	SO _x	PM10	CO2	PM2.5					
Vehicle	Engine Size (HP)	Hours/day																														
Challenger Tractor - wheeled	396	8	1.15E+00										21.16 96.21 6.49 6.97 3643.20 5.23						3.86 17.92 1.19 1.27 664.88 0.55						5.51 25.58 1.69 1.82 948.94 1.36							
Backhoe - tracked	49	8	1.15E+00										2.62 12.15 0.80 0.86 450.80 0.65						0.48 2.22 0.15 0.16 82.27 0.12						0.68 3.17 0.21 0.22 117.42 0.17							
Water Truck - wheeled	300	8	1.15E+00										16.03 74.40 4.92 5.28 2760.00 3.96						2.93 13.58 0.90 0.96 503.70 0.72						4.18 19.38 1.28 1.38 718.89 1.03							
Sno-Cat - tracked	173	8	1.15E+00										9.25 42.90 2.84 3.04 1591.60 2.28						1.69 7.83 0.52 0.56 290.47 0.42						2.41 11.18 0.74 0.79 414.56 0.59							
Light Duty pickup truck	215	8	1.15E+00										11.49 53.32 3.53 3.78 1978.00 2.84						2.10 9.73 0.64 0.69 360.99 0.52						2.99 13.89 0.92 0.99 515.21 0.74							
Total										60.55	280.98	18.58	19.94	10423.60	14.96	8.95	41.55	2.75	2.95	1541.32	2.21	12.78	59.30	3.92	4.21	2199.81	3.16					

(1) AP-42, Vol. 3, 3.3: Gasoline And Diesel Industrial Engines

Figure C-4-5 Emissions from Alternative 4: Water Conservation

Acresage		Days	Months	Years	Emissions Factors lbs/hp/hr ⁽¹⁾					Emissions lbs/day					Emissions, tons/yr					Emissions total (tons)							
25690		513.8	17.13	1.43	CO	NO _x	SO _x	PM10 [b]	CO2 [c]	CO	NO _x	SO _x	PM10	CO2	PM2.5	CO	NO _x	SO _x	PM10	CO2	PM2.5	CO	NO _x	SO _x	PM10	CO2	PM2.5
Vehicle	Engine Size [HP]	Hours/day																									
Challenger Tractor - wheeled	395	8																									
Backhoe - tracked	49	8																									
Water Truck - wheeled	300	8																									
Sno-Cat - tracked	173	8																									
Light Duty pickup truck	215	8																									
Total																											
					6.68E-03	3.10E-02	2.05E-03	2.20E-03	1.15E+00	21.16	98.21	6.49	6.97	3643.20	5.23	3.86	17.92	1.19	1.27	664.88	0.95	5.51	25.88	1.69	1.82	948.94	1.35
					6.68E-03	3.10E-02	2.05E-03	2.20E-03	1.15E+00	2.62	12.15	0.80	0.86	450.80	0.65	0.48	2.22	0.15	0.16	82.27	0.12	0.68	3.17	0.21	0.22	117.42	0.17
					6.68E-03	3.10E-02	2.05E-03	2.20E-03	1.15E+00	16.03	74.40	4.92	5.28	2760.00	3.96	2.93	13.58	0.90	0.96	503.70	0.72	4.18	19.38	1.28	1.38	718.89	1.03
					6.68E-03	3.10E-02	2.05E-03	2.20E-03	1.15E+00	9.25	42.90	2.84	3.04	1591.60	2.28	1.69	7.83	0.52	0.56	290.47	0.42	2.41	11.18	0.74	0.79	414.56	0.59
					6.68E-03	3.10E-02	2.05E-03	2.20E-03	1.15E+00	11.49	53.32	3.52	3.78	1978.00	2.84	2.10	9.73	0.64	0.69	360.99	0.52	2.99	13.89	0.92	0.99	515.21	0.74
										60.55	280.98	18.58	19.94	10423.60	14.96	8.95	41.55	2.76	2.95	1541.32	2.21	12.78	59.30	3.92	4.21	2159.81	3.16

(1) AP-42, Vol. 3.3 Gasoline And Diesel Industrial Engines

Figure C-4-6 Emissions from Alternative 5: Max Buildout

Acresage		Days	Months	Years	Emissions Factors lbs/hp/hr ⁽¹⁾					Emissions lbs/day					Emissions, tons/yr					Emissions total (tons)							
46704		974.08	32.47	2.71	CO	NO _x	SO _x	PM10 [b]	CO2 [c]	CO	NO _x	SO _x	PM10	CO2	PM2.5	CO	NO _x	SO _x	PM10	CO2	PM2.5	CO	NO _x	SO _x	PM10	CO2	PM2.5
Vehicle	Engine Size [HP]	Hours/day																									
Challenger Tractor - wheeled	395	8																									
Backhoe - tracked	49	8																									
Water Truck - wheeled	300	8																									
Sno-Cat - tracked	173	8																									
Light Duty pickup truck	215	8																									
Total																											
					6.68E-03	3.10E-02	2.05E-03	2.20E-03	1.15E+00	21.16	98.21	6.49	6.97	3643.20	5.23	3.86	17.92	1.19	1.27	664.88	0.95	10.45	48.50	3.21	3.44	1799.03	2.58
					6.68E-03	3.10E-02	2.05E-03	2.20E-03	1.15E+00	2.62	12.15	0.80	0.86	450.80	0.65	0.48	2.22	0.15	0.16	82.27	0.12	1.29	6.00	0.40	0.43	222.51	0.32
					6.68E-03	3.10E-02	2.05E-03	2.20E-03	1.15E+00	16.03	74.40	4.92	5.28	2760.00	3.96	2.93	13.58	0.90	0.96	503.70	0.72	7.92	36.74	2.43	2.61	1362.90	1.96
					6.68E-03	3.10E-02	2.05E-03	2.20E-03	1.15E+00	9.25	42.90	2.84	3.04	1591.60	2.28	1.69	7.83	0.52	0.56	290.47	0.42	4.57	21.19	1.40	1.50	785.54	1.13
					6.68E-03	3.10E-02	2.05E-03	2.20E-03	1.15E+00	11.49	53.32	3.52	3.78	1978.00	2.84	2.10	9.73	0.64	0.69	360.99	0.52	5.67	28.33	1.74	1.87	976.75	1.40
										60.55	280.98	18.58	19.94	10423.60	14.96	8.95	41.55	2.76	2.95	1541.32	2.21	24.23	112.42	7.43	7.98	4170.47	6.98

(1) AP-42, Vol. 3.3 Gasoline And Diesel Industrial Engines

Figure C-4-7 Emissions from Alternative 6: No Federal Action

Acresage		Days	Months	Years	Emissions Factors lbs/hp/hr ⁽¹⁾					Emissions lbs/day					Emissions, tons/yr					Emissions total (tons)								
N/A		0	0.00	0.00	CO	NO _x	SO _x	PM10 [b]	CO2 [c]	CO	NO _x	SO _x	PM10	CO2	PM2.5	CO	NO _x	SO _x	PM10	CO2	PM2.5	CO	NO _x	SO _x	PM10	CO2	PM2.5	
Vehicle	Engine Size [HP]	Hours/day																										
Challenger Tractor - wheeled	395	8																										
Backhoe - tracked	49	8																										
Water Truck - wheeled	300	8																										
Sno-Cat - tracked	173	8																										
Light Duty pickup truck	215	8																										
Total																												
					6.68E-03	3.10E-02	2.05E-03	2.20E-03	1.15E+00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
					6.68E-03	3.10E-02	2.05E-03	2.20E-03	1.15E+00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
					6.68E-03	3.10E-02	2.05E-03	2.20E-03	1.15E+00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
					6.68E-03	3.10E-02	2.05E-03	2.20E-03	1.15E+00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
					6.68E-03	3.10E-02	2.05E-03	2.20E-03	1.15E+00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
										0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

(1) AP-42, Vol. 3.3 Gasoline And Diesel Industrial Engines

Figure C-4-8 Emissions from Alternative 7: No Action

Acresage		Days	Months	Years	Emissions Factors lbs/hp/hr ⁽¹⁾					Emissions lbs/day					Emissions, tons/yr					Emissions total (tons)								
0		0	0.00	0.00	CO	NO _x	SO _x	PM10 [b]	CO2 [c]	CO	NO _x	SO _x	PM10	CO2	PM2.5	CO	NO _x	SO _x	PM10	CO2	PM2.5	CO	NO _x	SO _x	PM10	CO2	PM2.5	
Vehicle	Engine Size [HP]	Hours/day																										
Challenger Tractor - wheeled	395	0																										
Backhoe - tracked	49	0																										
Water Truck - wheeled	300	0																										
Sno-Cat - tracked	173	0																										
Light Duty pickup truck	215	0																										
Total																												
					6.68E-03	3.10E-02	2.05E-03	2.20E-03	1.15E+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					6.68E-03	3.10E-02	2.05E-03	2.20E-03	1.15E+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					6.68E-03	3.10E-02	2.05E-03	2.20E-03	1.15E+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					6.68E-03	3.10E-02	2.05E-03	2.20E-03	1.15E+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					6.68E-03	3.10E-02	2.05E-03	2.20E-03	1.15E+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
										0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

(1) USEPA, AP-42, Vol. 3.3 Gasoline And Diesel Industrial Engines

Appendix C-4 Air Resources

GHG Emissions Factors

Table C-4-9 Mobile Combustion CO2 for Non-Road Vehicles *

Equipment type	Emission Factor CO2
Diesel powered equipment	10.21 kg/gallon

* U.S. EPA Center for Corporate Climate Leadership – GHG Inventory Guidance

Appendix A: Default CO2 Emission Factors

Table A-1: Emission Factors for Equation 1 (EF1) - Emissions per Mass or Volume Unit for Fossil Fuel Combustion

Table C-4-10 Mobile Combustion CH4 and N2O for Non-Road Vehicles *

Equipment type	Emission Factor CH4	Emission Factor N2O
Diesel Ag equipment	0.29 grams/gallon	.49 grams/gallon
Ag Offroad Trucks	0.13 grams/gallon	.49 grams/gallon

* U.S. EPA Center for Corporate Climate Leadership – GHG Inventory Guidance

Appendix B: Default CH4 and N2 O Emission Factors

Table B-8: CH4 and N2 O Emission Factors for Non-Road Vehicles

Table C-4-11 Equipment List*

Equipment	Model	Horsepower	Fuel
Challenger Tractor - wheeled	Challenger Model 1038	396 hp	diesel
Backhoe - tracked	JCB Model 1CXT	49 hp	diesel
Water Truck - wheeled	Ford F-750 2,000 gal	300 hp	diesel
Snow Cat - tracked/w implements: Plow, disk, sweep, chisel, roller, spike tooth, spring-harrow, packer, sheepsfoot imprinter, triangular imprinter.	Tucker Sno-Cat Model 16	173 hp	diesel

Table C-4-12 Ground Disturbance*

Activity	Ground Disturbance
agronomic earthworks	50 acres/day
hand placement of items	2 acres/day

*Information obtained from email correspondence - Melinda Dorin, DWR, to Steven Garcia, DMR 6/22/21

Table C-4-13 List of typical construction equipment*

Equipment Type	Implement Name	Example Implement Model	Anticipated Use Rating
Deep Tillage	Bullplow - Ditchplow	Yonkers and Johnson Model:400	Frequent
Shallow Tillage	Switchplow - Reversible Plow	Maschio Model: Micro	Semi-Frequent
Land Leveling	Pull Type Ejector Scraper	John Deere Model: 2412DE	In-frequent
Ripping / Grubbing	Deep Ripper	Agrowplow Model: AP91	Rare
Clearing	Track Bulldozer - Crawler Dozer	John Deere Model: 750L Dozer	Rare
Minor Cleaning	Crawler Backhoe Loader	JCB Model 1CXT	Rare
Water or Surfactant Spreading	Water Truck - Water Tender	Ford Model: F-750 2,000 Gallon	Semi-Frequent

*from DSAP Section 2.3.3, Table 2

SSMP Dust Suppression Action Plan (DSAP)

Assumptions:

Assume 8 hour days

Individual set of assumptions for each Alternative (ie all equipment used or select)

Equipment list is based on typical equipment used for earth moving activities similar to those expected in the construction of various Alternatives

Time of construction is determined by dividing the total acreage impacted by the number of acres per day maximum to determine months and years of activity

Fugitive Emissions from Construction Activities*

Emission Source	Approximate Disturbed Area (acres)	Construction Time (months)	Disturbed Area (acre/month)	TSP Emission Factor (tons/acre/month of activity)	Silt Plus Clay Fraction (%)	PM10 Emissions (tons/year)	PM10 Project total emissions (tons)
<u>Construction</u>							
20 construction sites	1540	24	64.166667	1.2	90	69.3	
Total (tons/year)						69.3	138.6

138.6 tons total
 277200 lb total
 11550 lbs/mo
 385 lbs/day

*Construction particulate Matter (PM₁₀) emission factor obtained from USEPA AP-42, Section 13.2.3.3

Notes:

Disturbed area values based on information provided by DWP (email correspondence Melinda Dorin, DWR to Steven Garcia, DMR 6/22/21)