Table 5-5: Stack Parameters

AQD #	Name	Location (UTM)		Stack Height		Diameter	Temp	Velocity
	Existing	East	North	feet	meters	meters	K	m/s
2a	Ore crusher	603661.2	4594979.9	23	7.01	1.06	293.2	15.85
2b	Ore reclaim	603749.6	4595001.2	38	11.58	0.33	293.2	27.74
6a	Top silos	603892.8	4594835.1	133	40.54	0.64	308.7	24.99
6b	Silo reclaim	603900.4	4594810.7	15.5	4.72	0.67	297.0	10.06
7	PLO	E 604045.2	4594861.0	82	24.99	0.75	293.2	19.51
10	Coal crushing	603865.4	4594992.1	13.3	4.05	0.60	293.2	5.49
11	Coal transfer	603873.0	4594819.9	35.3	10.76	0.55	293.2	6.40
14	Boiler coal bunker	603760.2	4594807.7	125	38.10	0.43	293.2	17.37
15	DR 1&2	603719.1	4594813.8	180	54.86	1.83	347.0	14.94
16	Product classifier	603722.1	4594824.5	126	38.40	1.07	369.3	12.80
17	CA 1&2	603685.5	4594807.7	180.5	55.02	3.66	463.7	13.41
18	BO-1	603834.9	4594807.7	180.5	55.02	2.21	324.8	17.68
19	BO-2	603834.9	4594780.3	180.5	55.02	2.21	322.0	18.29
24	Boiler fly ash silo	603819.7	4594786.4	25	7.62	0.30	301.5	12.50
25	AT crush and screen	603665.7	4595011.9	76	23.16	0.73	293.2	14.63
26	AT Dryer	603673.4	4594984.5	67	20.42	0.73	310.9	17.68
27	AT Bagging & Loadout	603697.7	4594975.3	60	18.29	0.48	293.2	18.90
28	Fluid Bed Dryer	603725.2	4594836.7	140	42.67	1.22	347.0	12.19
30	Lime Bin #1	603938.5	4594768.1	88	26.82	0.20	279.3	17.98
31	Lime Bin #2	603938.5	4594746.7	88	26.82	0.20	279.3	17.98
33	Sulfur Burner	603889.8	4594723.9	100	30.48	0.61	338.7	10.67
35	Sulfite Dryer	603929.4	4594725.4	103	31.39	0.70	327.0	14.63
36	Sulfite Bin #1	603929.4	4594702.5	60	18.29	0.15	338.2	25.88
37	Sulfite Bin #2	603943.1	4594702.5	60	18.29	0.15	338.2	25.88
P38	Sulfite Bin #3	603959.9	4594702.5	60	18.29	0.15	338.2	25.88
39	Sulfite Bin #4	S 603973.6	4594702.5	60	18.29	0.15	338.2	25.88
40	Sulfite Bagging	603953.8	4594733.0	60	18.29	0.30	338.2	15.54
41	Sulfite Loadout	603987.3	4594723.9	70	21.34	0.30	338.2	21.34
44	Lime Unloading	603870.0	4594748.3	30	9.14	0.46	279.3	18.59
45	AT Transloading	604030.0	4594847.3	17.8	5.43	0.27	293.2	8.84
46	Trona Transfer	603764.8	4594983.0	12.5	3.81	0.67	293.2	14.02
47	Exp Crusher	603649.0	4594992.1	125	38.10	1.37	293.2	13.72
48	CA-3	603685.5	4594845.8	180	54.86	3.20	449.8	9.75
50	Dryer Area	603713.0	4594847.3	180	54.86	1.37	366.5	8.23
51	DR-5	603738.9	4594838.2	180	54.86	2.44	422.0	10.06
52	Silo Top #2	603898.9	4594883.9	141	42.98	0.46	293.2	15.24
55	Ore recycle/reclaim	603600.2	4594984.5	64	19.51	0.40	293.2	15.24
62	Carbon Silo	603639.8	4594740.6	91	27.74	0.15	293.2	25.91
63	Perlite Silo	603652.0	4594737.6	58	17.68	0.15	293.2	31.09

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AQD #	Name	Location (UTM)		Stack Height		Diameter	Temp	Velocity
		East	North	feet	meters	meters	K	m/s
64	Sulfite Blending #2	603975.6	4594690.4	15	4.57	0.15	293.2	29.26
65	Sulfite Blending #1	603959.9	4594690.4	35	10.67	0.23	293.2	4.57
66	Carbon/Perlite Scrubber	603705.4	4594771.1	125	38.10	0.30	293.2	22.86
67	Bottom Ash	603629.2	4594801.6	125	38.10	0.46	310.9	10.06
68	Bagging Trona Silo	603929.4	4594835.1	82	24.99	0.37	293.2	23.47
70	Bagging Sulfite Silo	603929.4	4594845.8	82	24.99	0.40	293.2	14.94
71	Bagging MBS Silo	603944.6	4594845.8	82	24.99	0.40	293.2	14.94
72	MBS Soda Ash Feed	603897.4	4594714.7	60.67	18.49	0.20	366.5	16.15
73	MBS Dryer	603885.2	4594714.7	95	28.96	0.61	305.4	17.07
	New expansion sources							
74	North Headframe	603507.2	4594999.7	105	32.00	0.41	288.7	18.19
75	Primary Crushing	603505.7	4595045.4	25	7.62	0.41	288.7	18.19
76	Primary Screening	603502.7	4594970.8	25	7.62	1.35	288.7	17.91
77	Transfer 101	603586.5	4594979.9	40	12.19	0.33	288.7	17.91
78	Transfer 102	603554.5	4594954.0	70	21.34	0.38	288.7	16.56
79	Transfer Point	603588.0	4594954.0	70	21.34	0.33	288.7	16.54
80	Calciner #4	603655.1	4594877.8	180	54.86	3.00	443.2	17.66
81	Product Dryer Area	603766.3	4594835.1	180	54.86	1.09	394.3	17.63
82	Dryer #6	603781.6	4594832.1	180	54.86	2.16	424.8	17.79
83	Silo Top	603953.8	4594882.4	130	39.62	0.43	366.5	17.08
84	Silo Bottom	603953.8	4594838.2	50	15.24	0.61	366.5	17.79
85	Industrial Boiler	603684.0	4594822.9	140	42.67	0.91	435.9	15.24
MV	Mine Exhaust Vent	603286.3	4594864.1	Volume Source				