Table 5-6: Emission Rates (Pounds per Hour)

AQD	Existing	PM_{10}	NO_x	SO_2	CO	VOC
2a	ore crusher	1.60				
2b	ore reclaim	0.0				
6a	top silos	0.30				
6b	silo reclaim	0.51				
7	PLO	1.20				
10	coal crushing	0.60				
11	Coal transfer	0.21				
14	boiler coal bunker	0.37				
15	DR 1&2	6.80	1.20			
16	product classifier	0.90				
17	CA 1&2	22.30	25		1524	776
18	BO-1	10.0	245	70	17.5	0.50
19	BO-2	10.0	245	70	17.5	0.50
24	boiler fly ash silo	0.30				
25	AT crush and screen	1.00				
26	AT Dryer	1.10	0.05		0.07	
27	AT Bagging & Loadout	0.50				
28	Fluid Bed Dryer	2.90				
30	Lime Bin #1	0.20				
31	Lime Bin #2	0.20				
33	Sulfur Burner		1.50	0.40		
35	Sulfite Dryer	1.40				
36	Sulfite Bin #1	0.10				
37	Sulfite Bin #2	0.10				
38	Sulfite Bin #3	0.10				
39	Sulfite Bin #4	0.10				
40	Sulfite Bagging	0.00				
41	Sulfite Loadout	0.19				
44	Lime Unloading	0.90				
45	AT Transloading	0.20				
46	Trona Transfer	0.71				
47	Exp Crusher	2.90				
48	CA-3	9.34	12.5		762	388
50	Dryer Area	1.39				
51	DR-5	4.80	18.0		2.40	
52	Silo Top #2	0.50				
53	Silo Bottom #2	0.90				
54	T-200 Silo	0.19				
55	Ore recycle/reclaim	0.40				

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AQD #		PM_{10}	NO_X	SO_2	CO	VOC
62	Carbon Silo	0.13				
63	Perlite Silo	0.17				
64	Sulfite Blending #2	0.15				
65	Sulfite Blending #1	0.06				
66	Carbon/Perlite Scrubber	0.58				
67	Bottom Ash	0.47				
68	Bagging Trona Silo	0.36				
70	Bagging Sulfite Silo	0.27				
71	Bagging MBS Silo	0.27				
72	MBS Soda Ash Feed	0.11				
73	MBS Dryer	1.20	0.15	0.77		
MV	Mine Exhaust Vent				3.75	115.0
	Expansion sources					
74	North Headframe	0.34				
75	Primary Crushing	0.34				
76	Primary Screening	3.70				
77	Transfer BH 101	0.22				
78	Transfer BH 102	0.27				
79	Transfer Point	0.21				
80	Calciner #4 ESP	11.93	20.0	0.0	1047.75	533.5
81	Product Dryer Area BH	1.74				
82	Dryer #6 ESP	4.08	30.0	0.0	14.0	0.27
83	Silo Top	0.29				
84	Silo Bottom	0.59				
85	Industrial Boiler	0.48	3.80	0.06	9.0	0.28

Sources can be modeled as points, areas, or volumes depending on the type of source and emission point. Point sources are used to model stack releases and incorporate plume rise. Area sources represent fugitive releases from flat sources such as evaporation from a pond. Volume sources also represent releases from non-stack sources and incorporate the initial vertical extent of the release.

All stacks and vents were modeled as point sources. This includes all of the facility's sources except the mine ventilation shaft (MV). This source was modeled as a volume source to accurately represent initial lateral and vertical dimensions of the release from