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12. Air contaminants emitted:

Emission Point	Pollutant	lb/hr	ton/yr	Basis of Data
AQD #74 (North Headframe)	PM_{10}	*Delete*		
AQD #75 (Primary Crushing)	PM_{10}	*Delete*		
AQD #76 (Primary *Crushing and* Screening)	PM_{10}	*2.45*	*10.73*	Vendor Guarantee @ 0.01 gr/dscf
AQD #77 (Transfer 101)	PM_{10}	*Delete*		
AQD #78 (Transfer 102)	PM_{10}	*Delete*		
AQD #79 (Transfer Point)	PM_{10}	*0.84*	*3.68*	Vendor Guarantee @ 0.01 gr/dscf
AQD #80 (Calciner #4 ESP)	PM_{10}	*12.25*	*53.66*	Vendor G @ 0.015 gr/dscf
	NO_X	20.00	87.60	Vendor G @ 0.05 lb/MM Btu
	CO	1048	4,590	Test estimate @ 3.81 lb/ton ore
	VOC	533.5	2,337	Test estimate @ 1.94 lb/ ton ore
	SO_2	0.0	0.0	Test estimate
AQD #81 (Dryer Area)	PM_{10}	*0.50*	*2.19*	Vendor Guarantee @ 0.01 gr/dscf
AQD #82 (Dryer ESP)	PM_{10}	*3.45*	*15.11*	Vendor G @ 0.01 gr/dscf
	NO_X	30	131.4	Vendor G @ 0.15 lb/MM Btu
	CO	14	61.32	Vendor G @ 0.07 lb/MM Btu
	VOC	0.27	1.18	AP-42 Table 1.4-1
	SO_2	0.0	0.0	Test Estimate
AQD #83 (Silo Top)	PM_{10}	*0.41*	*1.80*	Vendor Guarantee @ 0.01 gr/dscf
AQD #84 (Silo Bottom)	PM_{10}	*Delete*		
AQD #85 (Industrial Boiler)	PM_{10}	0.48	2.10	AP-42 1.4-1 @ 5 lb/10^6 scf
	NO_X	3.80	16.64	estimate @ 0.038 lb/MM Btu
	CO	9.00	39.42	estimate @ 0.09 lb/MM Btu
	VOC	0.28	1.23	AP-42 1.4-2 @ 2.78 lb/10^6 scf
	SO_2	0.06	0.26	AP-42 1.4-2 @ 0.6 lb/10^6 scf

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12. Air contaminants emitted (continued):

Emission Point	Pollutant	lb/hr	ton/yr	Basis of Data
AQD #17 (Calciners #1 & #2) (Totals following modification)	PM_{10}	22.3	97.67	Estimate @ 0.022 gr/dscf
	NO_X	30	131.4	Estimate @ 0.06 lb/MM Btu
	CO	1524	6675	Test estimate @ 3.81 PPT
	VOC	776	3399	Test estimate @ 1.94 PPT
	SO_2	0	0	Test estimate
AQD #48 (Calciner #3) (Totals following modification)	PM_{10}	9.3	40.73	Estimate @ 0.018 gr/dscf
	NO_X	15	65.7	Estimate @ 0.06 lb/MM Btu
	CO	762	3338	Test estimate @ 3.81 PPT
	VOC	388	1699	Test estimate @ 1.94 PPT
	SO_2	0	0	Test estimate
AQD #2B (Ore Reclaim)	PM_{10}	0	0	Source deleted
AQD #47 (Expansion I Crusher)	***PM_{10}***	***0***	***0***	***Source deleted***
AQD #10 (Coal Crusher)	***PM_{10}***	***0.30***	***0.66***	***Estimate @ 0.01 gr/dscf 12 hour operations/day***
AQD #11 (Coal Transfer)	***PM_{10}***	0.21	***0.46***	***Estimate @ 0.01 gr/dscf 12 hour operations/day***
AQD #14 (Boiler Coal Bunker)	***PM_{10}***	0.37	***0.81***	***Estimate @ 0.01 gr/dscf 12 hour operations/day***
AQD #44 (Lime Unloading)	***PM_{10}***	***0.18***	***0.39***	***Estimate @ 0.01 gr/dscf 12 hour operations/day***

Note: Concerning source AQD #s 17, 48, and 81, CO emissions of 0.074 lb/MM Btu are due to the combustion of natural gas, the 3.81 PPT test estimate is due primarily from the incomplete combustion of trona ore. Furthermore, the maximum expected VOC emission is 1.94 PPT, average expected estimate of 0.766 PPT.

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13. Air contaminant control equipment:

Emission Point	Type	Pollutant Removed	Efficiency
AQD #74	*Delete*		
AQD #75	*Delete*		
AQD #76	Baghouse	PM_{10}	99.99 %
AQD #77	*Delete*		
AQD #78	*Delete*		
AQD #79	Dust Collector	PM_{10}	99.99 %
AQD #80	ESP	PM_{10}	99.99 %
	Low NO_X Burner	NO_X	90.6 %
AQD #81	Baghouse	PM_{10}	99.99 %
AQD #82	ESP	PM_{10}	99.99 %
	Flame Grid Burner	NO_X	71.8 %
AQD #83	Dust Collector	PM_{10}	99.99 %
AQD #84	*Delete*		
AQD #85	Low NO_X Burner	NO_X	71.50 %
AQD #17	ESP	PM_{10}	99.9 %
	Low NO_X Burner	NO_X	90.6 %
AQD #48	ESP	PM_{10}	99.9 %
	Low NO_X Burner	NO_X	90.6 %

14. Type of combustion unit$_{\text{(check if applicable)}}$:

A. Coal _____

1. Pulverized _____:

General _____; Dry Bottom _____; With Flyash Reinjection _____;

2. Spreader Stoker _____:

With Flyash Reinjection _____; Without Flyash Reinjection _____; Cyclone _____;

Hand-Fired _____;

B. Fuel Oil_____

C. Natural Gas ___X___

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18. Emissions to the atmosphere (each point of emission should be listed separately and numbered so that it can be located on the flow sheet):

Emission Point	Stack Height (ft)	Stack Diameter (ft)	Gas Discharged DSCFM (ACFM)	Exit Temp (°F)	Gas Velocity (ft/s)
AQD #74	*Delete*				
AQD #75	*Delete*				
AQD #76	110	*3.67*	*28,600 (36,000)*	60	*57*
AQD #77	*Delete*				
AQD #78	*Delete*				
AQD #79	*60*	*2.08*	*9,800 (12,250)*	60	*60*
AQD #80	180	*10.5*	*95,300 (264,000)*	*305*	*51*
AQD #81	180	*1.67*	*5,800 (10,000)*	250	*76*
AQD #82	180	*8.0*	*40,200 (130,000)*	*298*	*43*
AQD #83	130	*1.67*	*4,750 (7,500)*	200	*57*
AQD #84	*Delete*				
AQD #85	140	3.00	22,275 (42,000)	325	50
AQD #17	180	12.0	120,424 (312,000)	375	46
AQD #48	180.5	10.5	60,212 (156,000)	350	30

19. Does the input material or product from this process or unit contain finely divided materials which could become airborne?

_X_ Yes ____ No