

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 6048

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
PS-1	Clay Crusher Baghouse	TSP	1.89	4.139
		PM ₁₀	0.95	2.070
PS-2	Clay Belt Transfer Baghouse	TSP	0.34	0.751
		PM ₁₀	0.17	0.375
PS-3	Raw Aeropol Cyclone	TSP	2.31	10.140
		PM ₁₀	1.16	5.068
PS-4	Blending Silo Baghouse	TSP	1.71	7.509
		PM ₁₀	0.86	3.750
PS-5	Rail Hopper Belt Baghouse	TSP	1.11	2.928
		PM ₁₀	0.56	1.460
PS-6	Coal/Gypsum Belt Transfer Baghouse	TSP	0.34	0.901
		PM ₁₀	0.17	0.451
PS-7	Tri-Gate Diverter Baghouse	TSP	0.34	0.901
		PM ₁₀	0.17	0.451
PS-8	Coal Belt Transfer Baghouse	TSP	0.60	1.580
		PM ₁₀	0.30	0.790
PS-9	Coal/Coke Silos Baghouse	TSP	0.51	2.250
		PM ₁₀	0.26	1.130
PS-10	Coal Mill Cyclone Baghouse	TSP	4.80	21.020
		PM ₁₀	2.40	10.510

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			<u>lb/hr</u>	<u>TPY</u>
PS-11	Coal Bin Passive Bag Filter	TSP	0.03	0.150
		PM ₁₀	0.02	0.075
PS-12	Coke Bin Passive Bag Filter	TSP	0.03	0.150
		PM ₁₀	0.02	0.075
PS-13	Solid Fuel Pump Feeders Baghouse	TSP	0.86	3.750
		PM ₁₀	0.43	1.880
PS-14	Kiln Feed Bucket Elevator Baghouse	TSP	0.51	2.250
		PM ₁₀	0.26	1.130
PS-15	Kiln Feed Buffer Bin Baghouse	TSP	0.86	3.750
		PM ₁₀	0.43	1.880
PS-16	Kiln ESP Stack	PM ₁₀	46.0	200.0
		VOC	20.0	88.0
		NO _x	744.0	3259.0
		SO ₂	106.0	100.0
		CO	772.0	3381.0
PS-17	CKD Bin Baghouse	TSP	0.10	0.160
		PM ₁₀	0.05	0.070
PS-18	CKD Loadout Spout Baghouse	TSP	0.30	0.390
		PM ₁₀	0.15	0.200
PS-19	Clinker Cooler Drag Chain Baghouse	TSP	1.20	5.260
		PM ₁₀	0.60	2.630
PS-20	Clinker Cooler Stack	TSP	19.80	86.720
		PM ₁₀	19.80	86.720
PS-21	Clinker Loadout Bin Baghouse	TSP	0.60	0.263
		PM ₁₀	0.30	0.140
PS-22	Clinker Silos Top	TSP	2.40	10.512

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	Transfers Baghouse	PM ₁₀	1.20	5.256
PS-23	Clinker Silo No. 1 Feeder Baghouse	TSP PM ₁₀	0.17 0.09	0.751 0.375
PS-24	Clinker Silo No. 2 Feeder Baghouse	TSP PM ₁₀	0.17 0.09	0.751 0.375
PS-25	Clinker Silo No. 3 North Feeder Baghouse	TSP PM ₁₀	0.17 0.09	0.751 0.375
PS-26	Clinker Silo No. 3 South Feeder Baghouse	TSP PM ₁₀	0.17 0.09	0.751 0.375
PS-27	Clinker Silo No. 4 Feeder Baghouse	TSP PM ₁₀	0.17 0.09	0.751 0.375
PS-28	Clinker Silo No. 5 Feeder Baghouse	TSP PM ₁₀	0.17 0.09	0.751 0.375
PS-29	Clinker Silo No. 6 North Feeder Baghouse	TSP PM ₁₀	0.17 0.09	0.751 0.375
PS-30	Clinker Silo No. 6 South Feeder 0.751 Feeder Baghouse		TSP	0.17
		PM ₁₀	0.09	0.375
PS-31	Finish Mill Baghouse No. 1	TSP PM ₁₀	5.68 5.68	24.890
PS-32	Cement Cooler No. 1 Transfer 1.500 Baghouse		TSP	0.34
		PM ₁₀	0.17	0.751
PS-33	Finish Mill No. 1 Separator Baghouse	TSP PM ₁₀	1.30 1.30	5.630 5.630
PS-34	Finish Mill Baghouse No. 2	TSP PM ₁₀	5.68 5.68	24.890
			24.890	

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PS-35	Cement Cooler No. 2 Transfer		TSP	0.34
	1.500			
	Baghouse	PM ₁₀	0.17	0.751
PS-36	Finish Mill No. 2 Separator	TSP	1.30	5.630
	Baghouse	PM ₁₀	1.30	5.630
PS-37	Cement Aeropol's Baghouse	TSP	0.34	1.500
	PM ₁₀	0.17	0.751	
PS-38	South Aeropol Transfer Baghouse	TSP		1.20
	5.260			
	PM ₁₀	0.60	2.630	
PS-39	North Silo Distribution System	TSP		0.86
	3.750			
	Baghouse	PM ₁₀	0.43	1.880
PS-40	North Aeropol Transfer	TSP	1.20	5.260
	Baghouse	PM ₁₀	0.60	2.630
PS-41	South Silo Distribution System	TSP		0.86
	3.750			
	Baghouse	PM ₁₀	0.43	1.880
PS-42	Loadout Spout No. 1	TSP	0.75	1.652
	Baghouse	PM ₁₀	0.38	0.826
PS-43	Loadout Spout No. 2	TSP	0.75	1.652
	Baghouse	PM ₁₀	0.38	0.826
PS-44	Loadout Spout No. 3	TSP	0.75	1.652
	Baghouse	PM ₁₀	0.38	0.826
PS-45	Regrind Bin	TSP	0.07	0.154
	Baghouse	PM ₁₀	0.04	0.077

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PS-46	Regrind Cyclone Baghouse	TSP	0.28	0.620
		PM ₁₀	0.14	0.310
PS-47	Emergency Hopper Baghouse	TSP	0.21	0.180
		PM ₁₀	0.10	0.090
FC-2	Material Handling (4) PM ₁₀	TSP	65.07	26.124
		PM ₁₀	11.775	
FC-3	Stockpiles (4) PM ₁₀	TSP	0.23	0.341
		PM ₁₀	0.240	

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.

(2) Specific point source name. For fugitive sources use area name or fugitive source name.

(3) TSP - total suspended particulate (including PM₁₀)

PM₁₀ - particulate matter less than 10 microns in diameter

VOC - volatile organic compounds as defined in General Rule 101.1

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

CO - carbon monoxide

(4) Fugitive emissions are an estimate only.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

_____ Hrs/day _____ Days/week
 Weeks/year or 8,760 Hrs/year _____

Permit No. 6048
Page 6

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			<u>lb/hr</u>	<u>TPY</u>

Dated _____