

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 6048/PSD-TX-74M-1

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)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY</u>
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 0.901 Baghouse	TSP		0.34
		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	TSP	4.80	21.020

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			lb/hr	TPY
	Baghouse	PM ₁₀	2.40	10.510
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 3.750		TSP	0.86
PS-14	Baghouse	PM ₁₀	0.43	1.880
	Kiln Feed Bucket Elevator	TSP	0.51	2.250
	Baghouse	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 0.390		TSP	0.30
	Baghouse	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

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			<u>lb/hr</u>	<u>TPY</u>
PS-21	Clinker Loadout Bin Baghouse	TSP	0.60	0.263
		PM ₁₀	0.30	0.140
PS-22	Clinker Silos Top Transfers Baghouse	TSP	2.40	10.512
		PM ₁₀	1.20	5.256
PS-23	Clinker Silo No. 1 Feeder Baghouse	TSP	0.17	0.751
		PM ₁₀	0.09	0.375
PS-24	Clinker Silo No. 2 Feeder Baghouse	TSP	0.17	0.751
		PM ₁₀	0.09	0.375
PS-25	Clinker Silo No. 3 North Feeder Baghouse	TSP	0.17	0.751
		PM ₁₀	0.09	0.375
PS-26	Clinker Silo No. 3 South Feeder Baghouse	TSP	0.17	0.751
		PM ₁₀	0.09	0.375
PS-27	Clinker Silo No. 4 Feeder Baghouse	TSP	0.17	0.751
		PM ₁₀	0.09	0.375
PS-28	Clinker Silo No. 5 Feeder Baghouse	TSP	0.17	0.751
		PM ₁₀	0.09	0.375
PS-29	Clinker Silo No. 6 North Feeder Baghouse	TSP	0.17	0.751
		PM ₁₀	0.09	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 24.890 PM ₁₀	TSP		5.68
		5.68	24.890	

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
PS-32	Cement Cooler No. 1 Transfer		TSP	0.34
	1.500			
	Baghouse	PM ₁₀	0.17	0.751
PS-33	Finish Mill No. 1 Separator		TSP	1.30
	5.630			
	Baghouse	PM ₁₀	1.30	5.630
PS-34	Finish Mill Baghouse No. 2		TSP	5.68
	24.890			
	PM ₁₀	5.68	24.890	
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

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	3.750 Baghouse	PM ₁₀	0.43	1.880
PS-42	Loadout Spout No. 1 Baghouse	TSP PM ₁₀	0.75 0.38	1.652 0.826
PS-43	Loadout Spout No. 2 Baghouse	TSP PM ₁₀	0.75 0.38	1.652 0.826
PS-44	Loadout Spout No. 3 Baghouse	TSP PM ₁₀	0.75 0.38	1.652 0.826
PS-45	Regrind Bin Baghouse	TSP PM ₁₀	0.07 0.04	0.154 0.077
PS-46	Regrind Cyclone Baghouse	TSP PM ₁₀	0.28 0.14	0.620 0.310
PS-47	Emergency Hopper Baghouse	TSP PM ₁₀	0.21 0.10	0.180 0.090
FC-2	Material Handling (4) PM ₁₀	TSP 30.78	65.07 11.775	26.124
FC-3	Stockpiles (4) PM ₁₀	TSP 0.16	0.23 0.240	0.341

- (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

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			lb/hr	TPY

SO₂ - sulfur dioxide
CO - carbon monoxide
(4) Fugitive emissions are an estimate only.

** 24-hour average as determined by the continuous emission measurement system.
*** 3-hour average as determined by the continuous emission measurement system.

* 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

Dated _____