

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Nos. 6048 and PSD-TX-74M1

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 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

Baghouse

PM₁₀

2.40

10.510

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Emission *	Source	Air Contaminant	Emission	Rates
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
PS-11	Coal Bin Passive Bag Filter	TSP PM ₁₀	0.03 0.02	0.150 0.075
PS-12	Coke Bin Passive Bag Filter	TSP PM ₁₀	0.03 0.02	0.150 0.075
PS-13	Solid Fuel Pump Feeders 3.750 Baghouse	PM ₁₀	TSP 0.43	0.86 1.880
PS-14	Kiln Feed Bucket Elevator 2.250 Baghouse	PM ₁₀	TSP 0.26	0.51 1.130
PS-15	Kiln Feed Buffer Bin Baghouse	TSP PM ₁₀	0.86 0.43	3.750 1.880
PS-16	Kiln ESP Stack	PM ₁₀ VOC NO _x SO ₂ CO	46.0 20.0 744.0** 106.0*** 772.0**	200.0 88.0 3259.0 100.0 3381.0
PS-17	CKD Bin Baghouse	TSP PM ₁₀	0.10 0.05	0.160 0.070
PS-18	CKD Loadout Spout Baghouse	TSP PM ₁₀	0.30 0.15	0.390 0.200
PS-19	Clinker Cooler Drag Chain 5.260 Baghouse	PM ₁₀	TSP 0.60	1.20 2.630
PS-20	Clinker Cooler Stack	TSP	19.80	86.720

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Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
	PM ₁₀	19.80	86.720	
PS-21	Clinker Loadout Bin	TSP	0.60	0.263
	Baghouse	PM ₁₀	0.30	0.140
PS-22	Clinker Silos Top	TSP	2.40	10.512
	Transfers Baghouse	PM ₁₀	1.20	5.256
PS-23	Clinker Silo No. 1 Feeder	TSP		0.17
	0.751			
	Baghouse	PM ₁₀	0.09	0.375
PS-24	Clinker Silo No. 2 Feeder	TSP		0.17
	0.751			
	Baghouse	PM ₁₀	0.09	0.375
PS-25	Clinker Silo No. 3 North	TSP		0.17
	0.751			
	Feeder Baghouse	PM ₁₀	0.09	0.375
PS-26	Clinker Silo No. 3 South	TSP		0.17
	0.751			
	Feeder Baghouse	PM ₁₀	0.09	0.375
PS-27	Clinker Silo No. 4 Feeder	TSP		0.17
	0.751			
	Baghouse	PM ₁₀	0.09	0.375
PS-28	Clinker Silo No. 5 Feeder	TSP		0.17
	0.751			
	Baghouse	PM ₁₀	0.09	0.375
PS-29	Clinker Silo No. 6 North	TSP		0.17
	0.751			

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Emission *	Source	Air Contaminant	Emission	Rates
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
	Feeder Baghouse	PM ₁₀	0.09	0.375
PS-30	Clinker Silo No. 6 South 0.751		TSP	0.17
	Feeder Baghouse	PM ₁₀	0.09	0.375
PS-31	Finish Mill Baghouse No. 1	TSP PM ₁₀	5.68 5.68	24.890 24.890
PS-32	Cement Cooler No. 1 Transfer Baghouse	TSP PM ₁₀	0.34 0.17	1.500 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
PS-35	Cement Cooler No. 2 Transfer Baghouse	TSP PM ₁₀	0.34 0.17	1.500 0.751
PS-36	Finish Mill No. 2 Separator Baghouse	TSP PM ₁₀	1.30 1.30	5.630 5.630
PS-37	Cement Aeropol's Baghouse	TSP PM ₁₀	0.34 0.17	1.500 0.751
PS-38	South Aeropol Transfer 5.260 Baghouse		TSP	1.20
		PM ₁₀	0.60	2.630
PS-39	North Silo Distribution 3.750		TSP	0.86
	System Baghouse	PM ₁₀	0.43	1.880

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Emission *	Source	Air Contaminant	Emission	Rates
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
PS-40	North Aeropol Transfer		TSP	1.20
	5.260			
	Baghouse	PM ₁₀	0.60	2.630
PS-41	South Silo Distribution		TSP	0.86
	3.750			
	System 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 Baghouse	TSP	0.07	0.154
	PM ₁₀	0.04	0.077	
PS-46	Regrind Cyclone	TSP	0.28	0.620
	Baghouse	PM ₁₀	0.14	0.310
PS-47	Emergency Hopper	TSP	0.21	0.180
	Baghouse	PM ₁₀	0.10	0.090
FC-2	Material Handling (4)	TSP	65.07	26.124
	PM ₁₀	30.78	11.775	
FC-3	Stockpiles (4)	TSP	0.23	0.341
	PM ₁₀	0.16	0.240	

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Emission *	Source	Air Contaminant	Emission Rates
Point No. (1)	Name (2)	Name (3)	lb/hr TPY

(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 equal to or less than 10 microns in diameter.

Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.

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.

** 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 _____