

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 6048/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)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY</u>
PS-1	Clay Crusher Baghouse	PM	0.17	0.143
		PM <sub>10</sub>	0.17	0.143
PS-2	Clay Belt Transfer Baghouse	PM	0.17	0.143
		PM <sub>10</sub>	0.17	0.143
PS-3	Raw Aeropol Cyclone	PM	1.16	2.534
		PM <sub>10</sub>	1.16	2.534
PS-4	Blending Silo Baghouse	PM	0.86	1.877
		PM <sub>10</sub>	0.86	1.877
PS-5	Rail Hopper Belt Baghouse	PM	0.56	0.053
		PM <sub>10</sub>	0.56	0.053
PS-6	Coal/Gypsum Belt Transfer 0.375 Baghouse		PM	0.17
		PM <sub>10</sub>	0.17	0.375
PS-7	Tri-Gate Diverter Baghouse	PM	0.17	0.375
		PM <sub>10</sub>	0.17	0.375
PS-8	Coal Belt Transfer Baghouse	PM	0.30	0.657
		PM <sub>10</sub>	0.30	0.657
PS-9	Coal/Coke Silos Baghouse	PM	0.26	0.563
		PM <sub>10</sub>	0.26	0.563
PS-10	Coal Mill Cyclone Baghouse	PM	2.40	5.256
		PM <sub>10</sub>	2.40	5.256

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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-11	Coal Bin Passive Bag Filter	PM	0.02	0.038
		PM <sub>10</sub>	0.02	0.038
PS-12	Coke Bin Passive Bag Filter	PM	0.02	0.038
		PM <sub>10</sub>	0.02	0.038
PS-13	Solid Fuel Pump Feeders Baghouse	PM	0.43	0.939
		PM <sub>10</sub>	0.43	0.939
PS-14	Kiln Feed Bucket Elevator Baghouse	PM	0.26	0.563
		PM <sub>10</sub>	0.26	0.563
PS-15	Kiln Feed Buffer Bin Baghouse	PM	0.43	0.939
		PM <sub>10</sub>	0.43	0.939
PS-16	Kiln Baghouse Stack VOC NO <sub>x</sub> **** SO <sub>2</sub> *** CO**	PM	35.44	155.220
		PM <sub>10</sub>	29.77	130.380
			20.00	79.000
			744.00	2380.000
			106.00	100.000
			772.00	2180.000
PS-17	CKD Bin Baghouse	PM	0.05	0.113
		PM <sub>10</sub>	0.05	0.113
PS-18	CKD Loadout Spout Baghouse	PM	0.15	0.018
		PM <sub>10</sub>	0.15	0.018
PS-19	Clinker Cooler Drag Chain 1.314 Baghouse		PM	0.60
		PM <sub>10</sub>	0.60	1.314
PS-20	Clinker Cooler Stack	PM	19.80	86.720
		PM <sub>10</sub>	19.80	86.720
PS-21	Clinker Loadout Bin	PM	0.60	0.263

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
PS-22	Baghouse	PM <sub>10</sub>	0.30	0.140
	Clinker Silos Top	PM	1.20	2.628
	Transfers Baghouse	PM <sub>10</sub>	1.20	2.628
PS-23	Clinker Silo No. 1 Feeder 0.751		PM	0.17
	Baghouse	PM <sub>10</sub>	0.09	0.375
PS-24	Clinker Silo No. 2 Feeder 0.751		PM	0.17
	Baghouse	PM <sub>10</sub>	0.09	0.375
PS-25	Clinker Silo No. 3 North 0.751		PM	0.17
	Feeder Baghouse	PM <sub>10</sub>	0.09	0.375
PS-26	Clinker Silo No. 3 South 0.751		PM	0.17
	Feeder Baghouse	PM <sub>10</sub>	0.09	0.375
PS-27	Clinker Silo No. 4 Feeder 0.751		PM	0.17
	Baghouse	PM <sub>10</sub>	0.09	0.375
PS-28	Clinker Silo No. 5 Feeder 0.751		PM	0.17
	Baghouse	PM <sub>10</sub>	0.09	0.375
PS-29	Clinker Silo No. 6 North 0.751		PM	0.17
	Feeder Baghouse	PM <sub>10</sub>	0.09	0.375
PS-30	Clinker Silo No. 6 South 0.751		PM	0.17
	Feeder Baghouse	PM <sub>10</sub>	0.09	0.375

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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-31	Finish Mill Baghouse No. 1	PM	5.68	24.890
		PM <sub>10</sub>	5.68	24.890
PS-32	Cement Cooler No. 1 Transfer Baghouse	PM	0.34	1.500
		PM <sub>10</sub>	0.17	0.751
PS-33	Finish Mill No. 1 Separator Baghouse	PM	1.30	5.630
		PM <sub>10</sub>	1.30	5.630
PS-34	Finish Mill Baghouse No. 2	PM	5.68	24.890
		PM <sub>10</sub>	5.68	24.890
PS-35	Cement Cooler No. 2 Transfer Baghouse	PM	0.34	1.500
		PM <sub>10</sub>	0.17	0.751
PS-36	Finish Mill No. 2 Separator Baghouse	PM	1.30	5.630
		PM <sub>10</sub>	1.30	5.630
PS-37	Cement Aeropol's Baghouse	PM	0.34	1.500
		PM <sub>10</sub>	0.17	0.751
PS-38	South Aeropol Transfer Baghouse	PM	1.20	5.260
		PM <sub>10</sub>	0.60	2.630
PS-39	North Silo Distribution System Baghouse	PM	0.86	3.750
		PM <sub>10</sub>	0.43	1.880
PS-40	North Aeropol Transfer Baghouse	PM	1.20	5.260
		PM <sub>10</sub>	0.60	2.630
PS-41	South Silo Distribution System Baghouse	PM	0.86	3.750
		PM <sub>10</sub>	0.43	1.880
PS-42	Loadout Spout No. 1 Baghouse	PM	0.75	1.652
		PM <sub>10</sub>	0.38	0.826
PS-43	Loadout Spout No. 2	PM	0.75	1.652

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
	Baghouse	PM <sub>10</sub>	0.38	0.826
PS-44	Loadout Spout No. 3	PM	0.75	1.652
	Baghouse	PM <sub>10</sub>	0.38	0.826
PS-45	Regrind Bin Baghouse	PM	0.07	0.154
	PM <sub>10</sub>	0.04	0.077	
PS-46	Regrind Cyclone	PM	0.28	0.620
	Baghouse	PM <sub>10</sub>	0.14	0.310
PS-47	Emergency Hopper	PM	0.21	0.180
	Baghouse	PM <sub>10</sub>	0.10	0.090
FC-2	Material Handling (4)	PM	17.89	2.980
	PM <sub>10</sub>	8.42	0.830	
FC-3	Stockpiles (4)	PM	0.23	0.341
	PM <sub>10</sub>	0.16	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) PM - total suspended particulate (including PM<sub>10</sub>)

PM<sub>10</sub> - 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 30 Texas Administrative Code Section 101.1

NO<sub>x</sub> - total oxides of nitrogen

SO<sub>2</sub> - sulfur dioxide

CO - carbon monoxide

(4) Fugitive emissions are an estimate only.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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>

\* 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

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

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

\*\*\*\* 30-day average as determined by the continuous emission measurement system.

Dated \_\_\_\_\_