

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 6758/PSD-TX-145M1

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>	
			lbs/hr	TPY
<u>CLINKER PRODUCTION</u>				
Q-1	QUARRYING (5)	TSP	44.8	62.7
		PM ₁₀	22.4	31.4
B-06	CRUSHING OPERATION BAGHOUSE STACK	TSP	1.8	2.9
		PM ₁₀	1.8	2.9
RMS	TRANSPORT TO RAW (5) MATERIAL STORAGE BINS/RMS	TSP	6.5	10.4
		PM ₁₀	3.0	4.9
D-28	ADDITIVE BINS/ CONVEYORS (5)	TSP	1.9	8.3
		PM ₁₀	1.0	4.2
K-19	GRINDING/PREHEATING/KILN ESP STACK	TSP	40.0	168.0
		PM ₁₀	40.0	168.0
		NO _x	660.0	2772.0
		SO ₂	20.0	84.0
F-12	RAW MEAL BUCKET ELEVATOR BAGHOUSE STACK	TSP	0.8	3.4
		PM ₁₀	0.8	3.4
F-11	BLENDING SILOS BAGHOUSE STACK	TSP	2.1	8.8
		PM ₁₀	2.1	8.8
H-06	PNEUMATIC LIFT SYSTEM BAGHOUSE STACK	TSP	0.9	3.8
		PM ₁₀	0.9	3.8
H-07	KILN FEED ELEVATOR BAGHOUSE STACK	TSP	0.6	2.5
		PM ₁₀	0.6	2.5

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L-12	CLINKER CHAIN CONVEYOR	TSP	1.0	4.2
	BAGHOUSE STACK	PM ₁₀	1.0	4.2
L-13	DEEP BUCKET/HOT CLINKER	TSP	0.9	3.8
	SILO BAGHOUSE STACK	PM ₁₀	0.9	3.8

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lbs/hr	TPY
L-14	CLINKER STORAGE/DOME I BAGHOUSE STACK	TSP	0.9	3.8
		PM ₁₀	0.9	3.8
L-19	CLINKER STORAGE/DOME II BAGHOUSE STACK	TSP	0.9	3.8
		PM ₁₀	0.9	3.8
L-15	CLINKER DOME I BUCKET CONVEYOR BAGHOUSE STACK	TSP	0.7	2.9
		PM ₁₀	0.7	2.9
L-16	CLINKER TRUCK LOADING SILO BAGHOUSE STACK	TSP	2.1	8.8
		PM ₁₀	2.1	8.8
L-18	CLINKER DOME II BUCKET CONVEYOR BAGHOUSE STACK	TSP	0.7	2.9
		PM ₁₀	0.7	2.9

FINISH MILLING

M-02	LIMESTONE/GYPSUM INCLINED CONVEYOR BAGHOUSE STACK	TSP	0.7	2.9
		PM ₁₀	0.7	2.9
M-04	LIMESTONE/GYPSUM CONVEYOR BAGHOUSE STACK	TSP	0.7	2.9
		PM ₁₀	0.7	2.9
M-10	SPECIAL CLINKER STORAGE BIN BAGHOUSE STACK	TSP	0.7	2.9
		PM ₁₀	0.7	2.9
M-32	MILL 1 FEED BELT BAGHOUSE STACK	TSP	0.7	2.9
		PM ₁₀	0.7	2.9

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M-33	MILL 2 FEED BELT	TSP	0.7	2.9
	BAGHOUSE STACK	PM ₁₀	0.7	2.9
M-06	GYP SUM STORAGE BIN	TSP	0.7	2.9
	BAGHOUSE STACK	PM ₁₀	0.7	2.9
M-09	CLINKER STORAGE BIN	TSP	0.7	2.9
	BAGHOUSE STACK	PM ₁₀	0.7	2.9
M-28	MILL 1 FEED BELT	TSP	0.7	2.9
	BAGHOUSE STACK	PM ₁₀	0.7	2.9
M-29	MILL 2 FEED BELT	TSP	0.7	2.9
	BAGHOUSE STACK	PM ₁₀	0.7	2.9

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lbs/hr	TPY
N-13	MILL 1 VENT BAGHOUSE STACK	TSP	3.3	13.9
		PM ₁₀	3.3	13.9
N-63	MILL 2 VENT BAGHOUSE STACK	TSP	3.3	13.9
		PM ₁₀	3.3	13.9
N-22	AIRSLIDE/COOLER NO.1 BAGHOUSE STACK	TSP	1.2	5.0
		PM ₁₀	1.2	5.0
N-09	BUCKET ELEVATOR NO. 1 BAGHOUSE STACK	TSP	0.6	2.5
		PM ₁₀	0.6	2.5
N-20	ADDITIVE BINS NOS. 1 and 2 BAGHOUSE STACK	TSP	0.6	2.5
		PM ₁₀	0.6	2.5
N-69	AIRSLIDE/COOLER NO. 2 BAGHOUSE STACK	TSP	1.2	5.0
		PM ₁₀	1.2	5.0
N-59	BUCKET ELEVATOR NO. 2 BAGHOUSE STACK	TSP	0.6	2.5
		PM ₁₀	0.6	2.5
N-94	MILL 1 CONVEYOR TO SILOS	TSP	0.6	2.5

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	BAGHOUSE STACK	PM ₁₀	0.6	2.5
N-95	MILL 2 CONVEYOR TO SILOS	TSP	0.6	2.5
	BAGHOUSE STACK	PM ₁₀	0.6	2.5
N-96	SILO 12/13/14/15 VENT	TSP	0.3	1.0
	BAGHOUSE STACK	PM ₁₀	0.3	1.0
N-97	SILO 4/5/6/7 VENT	TSP	0.3	1.0
	BAGHOUSE STACK	PM ₁₀	0.3	1.0
N-98	SILO 2 VENT	TSP	0.3	1.0
	BAGHOUSE STACK	PM ₁₀	0.3	1.0
N-99	SILO 1 VENT	TSP	0.3	1.0
	BAGHOUSE STACK	PM ₁₀	0.3	1.0
N-100	SILO 3 VENT	TSP	0.3	1.0
	BAGHOUSE STACK	PM ₁₀	0.3	1.0
N-101	SILO 8/9/10/11 VENT	TSP	0.3	1.0
	BAGHOUSE STACK	PM ₁₀	0.3	1.0

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lbs/hr	TPY
N-138	CEMENT RECIRCULATION PUMP	TSP	0.3	1.0
	BAGHOUSE STACK	PM ₁₀	0.3	1.0

LOADOUT AND BAGGING OPERATION

R-08	TRUCK LOADOUT NO. 1	TSP	0.04	0.08
	BAGHOUSE STACK	PM ₁₀	0.04	0.08
R-18	TRUCK LOADOUT NO. 2	TSP	0.04	0.08
	BAGHOUSE STACK	PM ₁₀	0.04	0.08
R-28	TRUCK LOADOUT NO. 3	TSP	0.04	0.08
	BAGHOUSE STACK	PM ₁₀	0.04	0.08

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R-38	TRUCK LOADOUT NO. 4 BAGHOUSE STACK	TSP	0.04	0.08
		PM ₁₀	0.04	0.08
R-48	TRUCK LOADOUT NO. 5 BAGHOUSE STACK	TSP	0.04	0.08
		PM ₁₀	0.04	0.08
R-58	TRUCK LOADOUT NO. 6 BAGHOUSE STACK	TSP	0.04	0.08
		PM ₁₀	0.04	0.08
R-70	CEMENT BAGGING TYPE 1 BAGHOUSE STACK	TSP	0.04	0.02
		PM ₁₀	0.04	0.02
R-90	CEMENT BAGGING MASONRY BAGHOUSE STACK	TSP	0.04	0.02
		PM ₁₀	0.04	0.02
F-1	MATERIAL HANDLING (5)	TSP	1.0	6.0
		PM ₁₀	0.5	3.0

COAL AND COKE OPERATION

S-01	COAL/COKE STOCKPILES MATERIAL HANDLING (5)	TSP	2.1	4.4
		PM ₁₀	1.1	2.3
S-03	COAL AND COKE ROAD HOPPER (5)	TSP	1.8	7.9
		PM ₁₀	0.9	4.0
S-30	COAL MILL VENT BAGHOUSE STACK	TSP	4.3	18.1
		PM ₁₀	4.3	18.1

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lbs/hr	TPY
S-56	PULVERIZED FUEL STORAGE BAGHOUSE STACK	TSP	1.0	4.2
		PM ₁₀	1.0	4.2

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

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- (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
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
- (4) Emissions from K-19 must comply with New Source Performance Standard, Subpart F.
- (5) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

* Emission rates are based on a maximum dry kiln feed rate of 200 tons per hour and 1,680,000 tons per year of raw feed with the following maximum operating schedule:

Hrs/day 24 Days/week 7 Weeks/year 50 or Hrs/year 8,400

Dated _____

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