

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		Air Contaminant		<u>Emission Rates *</u>	
	Name (2)	Name (3)	lb/hr	TPY		
1	Clay Crushing and Handling			PM	0.29	1.14
2	Clay Transfer			PM	0.26	1.13
3	Iron Ore Handling			PM	0.04	0.02
4	Limestone and Clay Bins with Transfer Points			PM	0.94	0.45
5	Coal, Coke, Gypsum, and Clinker Transfer			PM	2.19	9.57
6	Coal/Coke Handling			PM	4.29	18.81
7	Aeropol Conveyor			PM	1.74	7.60
8	Blending Silo			PM	1.29	5.63
9	Kiln Feed System			PM	1.03	4.51
10	Kiln Stack			PM	46.0	200.0
				NO _x	744.0	3259.0
				SO ₂	106.0	100.0
				CO	772.0	3381.0
				VOC	20.0	88.0
11	Dust Handling			PM	0.30	1.32
12	Clinker Cooler			PM	19.80	86.72

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		
			lb/hr	TPY	
13	Clinder Transfer to Deep Bucket		PM	0.90	3.94
14	Clinker Hopper and Transfer Points		PM	0.45	1.97
15	Clinker Silo and Transfer		PM	1.80	7.88
16	Clinker Transfer North		PM	0.39	1.69
17	Clinker Transfer South		PM	0.39	1.69
18	Gypsum Transfer		PM	0.26	1.13
19	North Finish Mill		PM	5.68	24.89
20	Finish Mill and Transfer Points North		PM	1.54	6.76
21	South Finish Mill		PM	5.68	24.89
22	Finish Mill with Transfer Points South		PM	1.54	6.76
23	Cement Silo Transfer		PM	0.90	3.94
24	Cement Silo Distribution System North		PM	0.64	2.82
25	Cement Silo Transfer		PM	0.90	3.94
26	Cement Silo Distribution System South		PM	0.64	2.82

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *			
			lb/hr	TPY		
27		Cement Loading Station Transfer		PM	0.57	3.72
28		Cement Loading Station Transfer		PM	0.57	3.72
29		Cement Loading Station Transfer		PM	0.57	3.72
30		Clinker Transfer		PM	0.15	0.68
31		Cement Silo Transfer		PM	0.80	3.49
32		Cement Silo Transfer		PM	0.11	0.50
33		Finish Mill Transfer		PM	0.21	0.90

For Fugitive Emission estimates see Table 1(a) date stamped May 10, 1994 in Permit File 6048.

- (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 - particulate matter
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 and should not be considered as a maximum allowable emission rate.

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

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
	Hrs/day <u>24</u>	Days/week <u>7</u>	Weeks/year <u>52</u>	or Hrs/year <u>8,760</u>

Dated _____