

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 8996

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 *	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>
01	Primary Crusher	PM ₁₀	0.77	3.4
02	Sec. Crusher	PM ₁₀	0.77	3.4
03	Raw Material Transfer Point 1.5		PM ₁₀	0.34
04	Conveyor Belt Transfer	PM ₁₀	0.70	3.1
05	Raw Material Storage Bins	PM ₁₀	0.93	4.1
06	Raw Material Storage Shale	PM ₁₀	0.93	4.1
07	Kiln Stack	NO _x	1090	3230
		CO	2200	6806
		THC	234.2	1025.8
	(1-hour Average)	SO ₂	2600	
	(3-hour Average)	SO ₂	2300	
	(24-hour Average)	SO ₂	1900	
	(Annual Limit)	SO ₂		6230.8
		TRS	14.9	65.3
	(5)	PM ₁₀	66.0	270
	(6)	COND	353.0	540
08	Kiln Feed Silo Upper	PM ₁₀	1.06	4.6
09	Kiln Feed Silo Lower	PM ₁₀	1.06	4.6

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			lb/hr	TPY
10	Kiln Bypass (5)	PM ₁₀	8.14	33.0
11	Waste Bypass Dust	PM ₁₀	0.25	1.1
12	Coal Handling	PM ₁₀	0.80	2.8
12A	Clinker Handling/Storage Exposed (4)	PM	26.00	10.0
		PM ₁₀	13.00	5.0
13	Coal Storage Bin	PM ₁₀	0.33	1.4
14	Clinker Conveyor Transfer Point	PM ₁₀	0.34	1.5
15	Clinker Conveyor	PM ₁₀	0.53	2.3
16	Gypsum Silo	PM ₁₀	0.13	0.6
17	Gypsum Discharge	PM ₁₀	0.09	0.4
18	Gypsum Weigh Feeder	PM ₁₀	0.09	0.4
19	Clinker Feeder No. 7	PM ₁₀	0.09	0.4
20	Clinker Feeder No. 1	PM ₁₀	0.09	0.4
21	Clinker Feeder No. 6	PM ₁₀	0.09	0.4
22	Clinker Feeder No. 4	PM ₁₀	0.09	0.4
23	Finish Mill Sys. No. 1	PM ₁₀	5.52	24.2
24	Gypsum Weigh Feeder	PM ₁₀	0.09	0.4
25	Clinker Weigh Feeder No. 2	PM ₁₀	0.09	0.4
26	Clinker Weigh Feeder No. 5	PM ₁₀	0.09	0.4

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			lb/hr	TPY
27	Clinker Weigh Feeder No. 3	PM ₁₀	0.09	0.4
28	Clinker Weigh Feeder No. 8	PM ₁₀	0.09	0.4
29	Finish Mill Sys. No. 2	PM ₁₀	5.52	24.2
30	Cement Silo No. 1 Discharge 1.9		PM ₁₀	0.44
31	Cement Silo No. 2 Discharge 2.8		PM ₁₀	0.64
32	Cement Silo No. 4 Discharge 1.9		PM ₁₀	0.44
33	Cement Silo No. 5 Discharge 3.5		PM ₁₀	0.80
34	Cement Silo No. 7 Discharge 1.9		PM ₁₀	0.44
35	Cement Silo No. 8 Discharge 2.8		PM ₁₀	0.64
36	Cement Silo No. 1 Filling	PM ₁₀	1.03	4.5
37	Cement Silo No. 7 Filling	PM ₁₀	1.03	4.5
38	Coal Storage (4)	PM PM ₁₀	2.10 1.05	9.3 4.6
39	Quarried Material Handling (4) 0.4		PM	0.50

PM ₁₀	0.25	0.2
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- (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.

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- (3) 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.
 PM - particulate matter, suspended in the atmosphere, including PM₁₀
 NO_x - total oxides of nitrogen
 CO - carbon monoxide
 THC - total hydrocarbons
 SO₂ - sulfur dioxide
 TRS - total reduced sulfur
 COND - condensibles
- (4) Fugitive emissions are an estimate only.
- (5) The PM rates are based on front half of sampling train only.
- (6) Condensibles are based on back half of sampling train only.

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

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

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year _____

Dated _____