

# 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 Point No. (1)	Source Name (2)	Source Name (3)	Air Contaminant		<u>Emission Rates *</u>	
			lb/hr	TPY		
01	Primary Crusher			PM	0.77	3.4
02	Sec. Crusher			PM	0.77	3.4
03	Raw Material Transfer Point			PM	0.34	1.5
04	Conveyor Belt Transfer			PM	0.70	3.1
05	Raw Material Storage Bins			PM	0.93	4.1
06	Raw Material Storage Shale			PM	0.93	4.1
07	Kiln Stack			NO <sub>x</sub>	1,090	3,230
				CO	2,200	6,806
				THC	234.2	1,025.8
		(1-hour Average)		SO <sub>2</sub>	2,600	
		(3-hour Average)		SO <sub>2</sub>	2,300	
		(24-hour Average)		SO <sub>2</sub>	1,900	
		(Annual Limit)		SO <sub>2</sub>		6,230.8
				TRS	14.9	65.3
		(5)		PM	66.0	270
		(6)		Condensibles	353.0	540
08	Kiln Feed Silo Upper			PM	1.06	4.6
09	Kiln Feed Silo Lower			PM	1.06	4.6
10	Kiln Bypass			PM	8.14	33
11	Waste Bypass Dust			PM	0.25	1.1

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
12	Coal Handling		PM	0.802.8
13	Coal Storage Bin		PM	0.331.4

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			lb/hr	TPY	
14	Clinker Conveyor Transfer Point		PM	0.34	1.5
15	Clinker Conveyor		PM	0.53	2.3
16	Gypsum Silo		PM	0.13	0.6
17	Gypsum Discharge		PM	0.09	0.4
18	Gypsum Weighfeeder		PM	0.09	0.4
19	Clinker Feeder No. 7		PM	0.09	0.4
20	Clinker Feeder No. 1		PM	0.09	0.4
21	Clinker Feeder No. 6		PM	0.09	0.4
22	Clinker Feeder No. 4		PM	0.09	0.4
23	Finish Mill Sys. No. 1		PM	5.52	24.2
24	Gypsum Weighfeeder		PM	0.09	0.4
25	Clinker Weighfeeder No. 2		PM	0.09	0.4
26	Clinker Weighfeeder No. 5		PM	0.09	0.4
27	Clinker Weighfeeder No. 3		PM	0.09	0.4
28	Clinker Weighfeeder No. 8		PM	0.09	0.4
29	Finish Mill Sys. No. 2		PM	5.52	24.2
30	Cement Silo No. 1 Discharge		PM	0.44	1.9
31	Cement Silo No. 2 Dishcharge		PM	0.64	2.8

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>		
			lb/hr	TPY	
32	Cement Silo No. 4 Discharge		PM	0.44	1.9

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		
			lb/hr	TPY	
33	Cement Silo No. 5 Discharge		PM	0.80	3.5
34	Cement Silo No. 7 Discharge		PM	0.44	1.9
35	Cement Silo No. 8 Discharge		PM	0.64	2.8
36	Cement Silo No. 1 Filling		PM	1.03	4.5
37	Cement Silo No. 7 Filling		PM	1.03	4.5
38	Coal Storage (4)		PM	2.1	9.3
39	Quarry (4)		PM	1.07	4.7

- (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)
  - NO<sub>x</sub> - total oxides of nitrogen
  - CO - carbon monoxide
  - SO<sub>2</sub> - sulfur dioxide
  - PM - particulate matter
  - TRS - total reduced sulfur compounds
  - THC - total hydrocarbons
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (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:

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

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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>

Dated \_\_\_\_\_