

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 8996 and  
PSD-TX-454-M2

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>		
			lb/hr	TPY	
			01	Primary Crusher	PM
	3.4				0.77
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-Roller Mill			NOx	1090
				CO	2200
				THC	234.2
	(1-hour Average)			SO2	2600
	(3-hour Average)			SO2	2300
	(24-hour Average)			SO2	1900
	(Annual Limit)			SO2	6230.8
				TRS	14.9
				PM10 (5)	66.0
				PM/ (6)	353.0
				Condensibles	540
08	Kiln Feed Silo No. 2			PM	1.59
					7.0
09	Kiln Feed Silo No. 1			PM	1.59
					7.0
10	Kiln Bypass (5)			PM	8.14
					33
11	Waste Bypass Dust			PM	0.25
					1.1

AIR CONTAMINANTS DATA

Emission Name (3)	Source		Air Contaminant	Emission Rates*		Point No. (1)	Name (2)
	lb/hr	TPY					
12	Coal Handling		PM	0.80		2.8	
13	Coal Storage Bin		PM	0.33		1.4	
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	

# AIR CONTAMINANTS DATA

Emission Name (3)	Source lb/hr    TPY	Air Contaminant	Emission Rates*	Point No. (1)	Name (2)
31	Cement Silo No. 2 Dishcharge	PM	0.64		2.8
32	Cement Silo No. 4 Discharge	PM	0.44		1.9
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) NOx - total oxides of nitrogen  
 CO - carbon monoxide  
 SO2 - sulfur dioxide  
 PM - particulate matter  
 PM10 - particulate matter less than 10 microns in diameter  
 VOC - volatile organic compounds as defined in General Rule 101.1  
 TRS - total reduced sulfur compounds
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) PM10 rates are based on front-half of sampling train only.
- (6) PM/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

AIR CONTAMINANTS DATA

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