

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 56094

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)	Emission Rates *	
			lb/hr	TPY**
8	Calciner Wet Scrubber	NO _x	2.90	9.72
		PM 1.30	4.36	
		VOC 0.11	0.36	
		SO ₂ 2.85	9.55	
		CO 1.40	4.69	
		HF 0.05	0.17	
		HCL 0.24	0.80	
20	Sand Dryer	PM	0.96	0.06
		PM ₁₀ 0.87	0.05	
		VOC 0.03	0.01	
		SO ₂ 0.67	0.04	
		CO 0.31	0.02	
		NO _x 0.35	0.02	
21	Tunnel Kilns A, (4) B, and C	PM	1.93	8.47
		VOC	6.72	29.43
		SO ₂ 118.63	519.62	
		CO 30.39	133.05	
		NO _x 6.03	26.46	
		HF 1.90	8.31	
		HCl 0.47	2.04	
25	Tunnel Dryer 1	PM	0.61	2.67
		VOC 0.10	0.43	
26	Tunnel Dryer 2	PM	0.61	2.67
		VOC 0.10	0.43	
27	Tunnel Dryer 3	PM	0.61	2.67
		VOC 0.10	0.43	

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28	Tunnel Dryer 4	PM VOC 0.10	0.61 0.43	2.67
29	Tunnel Dryer 5	PM VOC 0.10	0.61 0.43	2.67
30	Tunnel Dryer 6	PM VOC 0.10	0.61 0.43	2.67
31	Tunnel Dryer 7	PM VOC 0.10	0.61 0.43	2.67
32	Tunnel Dryer 8	PM VOC 0.10	0.61 0.43	2.67
33	Tunnel Dryer 9	PM VOC 0.10	0.61 0.43	2.67
53	Manufacturing Dust Collector	PM ₁₀	1.37	2.57
54	Shapes Dust Collector	PM ₁₀	0.57	1.06
EGLFUG	Eagle Roll Crusher (Crusher and Drop Pts)	PM PM ₁₀	0.06 0.03	<0.04 <0.02
CALFUG	Calciner Fugitives (Screens and Transfer Pts)	PM PM ₁₀	0.64 0.06	0.42 0.04
GRINDFUG	Grinding Building (A-Line Hammer Mill, Scalping Screen, and Transfer Pts)	PM PM ₁₀	0.50 0.10	0.50 0.10
MFGFUG	Manufacturing Building	PM PM ₁₀ <0.01	0.11 <0.01	0.03
SYMFUG	Symphony Building	PM	0.10	0.10

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		PM ₁₀ 0.05	0.05	
STKFUG	Stockpile Fugitives	PM		1.10
		PM ₁₀	0.54	

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

(2) Specific point source names. For fugitive sources, use an area name or fugitive source name.

(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code (30 TAC) § 101.1.

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

PM - particulate matter, suspended in the atmosphere, including PM₁₀.

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.

CO - carbon monoxide

HCl - hydrogen chloride

HF - hydrogen fluoride

(4) Maximum allowable emission rates table limits for Emission Point No. 21 will be effective upon installation of the represented controls, but no later than March 1, 2007, as allowed by 30 TAC Chapter 116, Subchapter H and Special Condition No. 15

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

** Compliance with annual emission limits is based on a rolling 12-month period.

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

MAXIMUM ALLOWABLE THROUGHPUT

Total for all three Kilns: 29.5 tons per hour based on a daily average and 257,000 tons per year (tpy) total.

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			<u>lb/hr</u>	<u>TPY**</u>

Total throughput for all on-site crushers shall not exceed 295,000 tpy.

Dated October
31, 2004