

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 3505

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>	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
1	Grinding Plant Baghouse Stack 5.35		PM ₁₀	3.43
2	Rotary Kiln Scrubber Stack	PM ₁₀	1.13	3.3
		SO ₂	29.4	85.3
		NO _x	5.8	16.6
		VOC	0.1	0.3
		CO	5.7	16.3
		HF	0.004	0.012
3	Raw Clay Hopper (4)	PM	0.005	0.0082
		PM ₁₀	0.003	0.004
4, 5, and 6	Material Handling (4)	PM	0.15	0.025
		PM ₁₀	0.08	0.013
7,8 and 9	Material Handling (4)	PM	0.006	0.007
		PM ₁₀	0.003	0.004
10	Sand Dryer Heater Vent	PM ₁₀	0.017	0.036
		SO ₂	0.0008	0.0018
		NO _x	0.138	0.300
		CO	0.029	0.063
		VOC	0.011	0.024
11	Brick Dryer Stack	PM ₁₀	1.28	5.58
		NO _x	1.63	7.1
		CO	5.14	22.46

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12	Kiln Stack	PM ₁₀	18.60	81.24
		SO ₂	37.77	164.98
		NO _x	3.56	15.55
		VOC	9.45	41.28
		HF	5.27	23.02
		HCl	3.69	16.11
13	Manufacturing Bldg. (4)	PM	4.93	21.55
		PM ₁₀	2.47	10.78

(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, 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.

SO₂ - sulfur dioxide

NO_x - total oxides of nitrogen

CO - carbon monoxide

VOC - volatile organic compounds as defined in General Rule 101.1

HF - hydrogen fluoride

(4) Fugitive emissions are an estimate only.

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

24 Hrs/day 7 Days/week 52 Weeks/year or 5,712 Hrs/year for the Rotary Kiln and 3,120 Hrs/year for the Grinding and Screening

Maximum Allowable Production Rates: Rotary Kiln 3 tons/hr
and 16,802 tons/yr
Grinding 175 tons/hr and 546,000 tons/yr

Dated_____