

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 21012

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**
CD-1-BH-1	Clay Dryer Baghouse Stack	PM ₁₀	1.96	8.57
		NO _x	3.50	15.30
		CO	14.10	61.80
		SO ₂	0.28	1.23
		VOC	0.26	1.13
		TOC	0.52	2.26
GS-1-BH-2	Grinding Circuit Baghouse Stack	PM ₁₀	1.13	4.96
FB-1	Building 1 (4)	PM	0.15	0.67
		PM ₁₀	0.15	0.67
FB-2	Building 2 (4)	PM	0.09	0.39
		PM ₁₀	0.04	0.18
FB-3	Building 3 (4)	PM	0.31	1.36
		PM ₁₀	0.31	1.36
SP1	Stockpile 1 (4)	PM	----	0.29
		PM ₁₀	----	0.15
SP2	Stockpile 2 (4)	PM	----	0.26
		PM ₁₀	----	0.13
SP3	Stockpile 3 (4)	PM	----	0.26
		PM ₁₀	----	0.13
SP4	Stockpile 4 (4)	PM	----	0.61
		PM ₁₀	----	0.31
SP5	Stockpile 5 (4)	PM	----	0.29
		PM ₁₀	----	0.15

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
BSP	Stockpile (4)	PM	-----	0.89
		PM ₁₀	-----	0.45
CSP	Stockpile (4)	PM	-----	1.05
		PM ₁₀	-----	0.53
CSF1	Raw Clay Storage Building No. 1 (4)	PM	0.74	2.82
		PM ₁₀	0.37	1.91
CFS2	Raw Clay Storage Building No. 2 (4)	PM	0.21	0.29
		PM ₁₀	0.11	0.15
MBF	Manufacturing Building (4)	PM	0.05	0.05
		PM ₁₀	0.03	0.03
K	Kiln Scrubber Stack	PM ₁₀	20.63	90.36
		SO ₂	106.40	466.00
		HF	6.05	26.50
		NO _x	8.85	38.67
		CO	20.18	88.15
		VOC	0.53	2.32
		HCl	3.78	16.56

- (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) 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.
 NO_x - total oxides of nitrogen
 CO - carbon monoxide
 SO₂ - sulfur dioxide
 VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 TOC - total organic compounds
 HF - hydrogen fluoride
 HCl - hydrogen chloride

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(4) Fugitive emissions are an estimate only.

- * 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 8,760 Hrs/year

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

The maximum allowable fired brick production rate: 22.25 tons/hour

Dated December 23, 2003