

## 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, sources, and related activities. 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 (5) *	
			lbs/hour	TPY **
CD-1-BH-1	Clay Dryer Baghouse Stack	PM <sub>10</sub>	1.96	8.57
		NO <sub>x</sub>	3.50	15.30
		CO	14.10	61.80
		SO <sub>2</sub>	0.28	1.23
		VOC	0.26	1.13
		TOC	0.52	2.26
GS-1-BH-2	Grinding Circuit Baghouse Stack	PM <sub>10</sub>	1.13	4.96
FB-1	Building 1 (4)	PM	0.15	.67
		PM <sub>10</sub>	0.15	0.67
FB-2	Building 2 (4)	PM	0.09	0.39
		PM <sub>10</sub>	0.04	0.18
FB-3	Building 3 (4)	PM	0.31	1.36
		PM <sub>10</sub>	0.31	1.36
SP1	Stockpile 1 (4)	PM	--	0.29
		PM <sub>10</sub>	--	0.15
SP2	Stockpile 2 (4)	PM	--	0.26
		PM <sub>10</sub>	--	0.13
SP3	Stockpile 3 (4)	PM	--	0.26
		PM <sub>10</sub>	--	0.13
SP4	Stockpile 4 (4)	PM	--	0.61
		PM <sub>10</sub>	--	0.31
SP5	Stockpile 5 (4)	PM	--	0.29
		PM <sub>10</sub>	--	0.15
BSP	Stockpile (4)	PM	--	0.89

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		PM <sub>10</sub>	--	0.45
CSP	Stockpile (4)	PM	--	1.05
		PM <sub>10</sub>	--	0.53
CSF1	Raw Clay Storage Building No. 1 (4)	PM	0.74	2.82
		PM <sub>10</sub>	0.37	1.91
CFS2	Raw Clay Storage Building No. 2 (4)	PM	0.21	0.29
		PM <sub>10</sub>	0.11	0.15
MBF	Manufacturing Building (4)	PM	0.05	0.05
		PM <sub>10</sub>	0.03	0.03
K	Kiln Scrubber Stack	PM <sub>10</sub>	20.63	90.36
		SO <sub>2</sub>	106.40	466.00
		HF	6.05	26.50
		NO <sub>x</sub>	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 plot plan.
  - (2) Specific point source name. For fugitive sources, use area name or fugitive source name.
  - (3) CO - carbon monoxide  
HCl - hydrogen chloride  
HF - hydrogen fluoride  
NO<sub>x</sub> - total oxides of nitrogen  
PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented  
PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented  
SO<sub>2</sub> - sulfur dioxide  
TOC - total organic compounds  
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
  - (4) Fugitive emissions are an estimate only.
  - (5) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.
- \*\* Compliance with annual emission limits is based on a rolling 12-month period.  
The maximum allowable fired brick production rate: 22.25 tons/hour

Date: January 30, 2013