

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 46976

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**
33	Vacuum Pump Exhaust	PM	<0.01	<0.01
45	Holding Room Exhaust No. 1	PM	<0.01	<0.01
		NO <sub>x</sub>	<0.01	<0.01
		SO <sub>2</sub>	<0.01	<0.01
		VOC	<0.01	<0.01
		CO	<0.01	<0.01
		HCl	<0.01	<0.01
		HF	<0.01	<0.01
46	Holding Room Exhaust No. 2	PM	<0.01	<0.01
		NO <sub>x</sub>	<0.01	<0.01
		SO <sub>2</sub>	<0.01	<0.01
		VOC	<0.01	<0.01
		CO	<0.01	<0.01
		HCl	<0.01	<0.01
		HF	<0.01	<0.01
47	Dryer No. 1	PM	1.50	6.59
		NO <sub>x</sub>	0.79	3.45
		VOC	0.24	1.06
		CO	2.49	10.93
		HCl	<0.01	<0.01
		HF	<0.01	<0.01
48	Dryer No. 2	PM	1.50	6.59
		NO <sub>x</sub>	0.79	3.45
		VOC	0.24	1.06
		CO	2.49	10.93
		HCl	<0.01	<0.01
		HF	<0.01	<0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
49	Kiln No. 1	PM	1.31	5.73
		NO <sub>x</sub>	0.91	3.99
		SO <sub>2</sub>	9.65	42.26
		VOC	0.71	3.1
		CO	4.5	19.71
		HCl	0.48	2.1
		HF	0.12	0.53
50	Kiln No. 2	PM	1.31	5.73
		NO <sub>x</sub>	0.91	3.99
		SO <sub>2</sub>	9.65	42.26
		VOC	0.71	3.1
		CO	4.5	19.71
		HCl	0.48	2.1
		HF	0.12	0.53
51	Additive A Tank	VOC	<0.01	<0.01
52	Gasoline Tank	VOC	1.12	0.07
53	Underground Diesel Tank	VOC	1.32	0.01
54	Waste Oil Tank (Mobile Maintenance)	VOC	0.01	0.01
55	Waste Oil Tank (Shop)	VOC	0.01	0.01
56	Kerosene Tank	VOC	0.01	0.01
60	Grinding Building (4)	PM	0.03	0.01
		PM <sub>10</sub>	0.13	0.29
61	Manufacturing Building (4)	PM	0.02	0.07
		PM <sub>10</sub>	0.1	0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
STK	Stockpile (4)	PM	--	5.4
		PM <sub>10</sub>	--	2.7
63	Brick Bat Hopper (4)	PM	0.29	0.11
		PM <sub>10</sub>	0.14	0.05
64	Brick Bat Crusher (4)	PM	0.5	0.19
		PM <sub>10</sub>	0.24	0.09

(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 PM<sub>10</sub>.

PM<sub>10</sub> - 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<sub>x</sub> - total oxides of nitrogen

SO<sub>2</sub> - sulfur dioxide

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

CO - carbon monoxide

HCl - hydrogen chloride

HF - hydrogen fluoride

(4) Fugitive emissions are an estimate only.

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

8,760 hrs/year

56,000 tons per year (tpy) fired ware per kiln

112,000 tpy fired ware total plant

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

Dated September 29, 2005