

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 26080

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
1	Raw Material Unloading and Storage Baghouse Stack	PM <sub>10</sub>	0.77	3.39
2	Scrap Tile Processing and Material Weigh/Feed Baghouse Stack	PM <sub>10</sub>	1.86	8.15
3	Screening/Pressing Baghouse Stack	PM <sub>10</sub>	2.06	9.04
4	Glaze Prep/Tile Glazing Baghouse Stack	PM <sub>10</sub>	0.57	2.51
5	Tile Dryer Line No. 2 Stack	PM <sub>10</sub>	0.07	0.33
		VOC	0.15	0.65
		NO <sub>x</sub>	0.05	0.22
		CO	0.74	3.26
		SO <sub>2</sub>	<0.01	<0.01
6	Tile Dryer Line No. 1 Stack	PM <sub>10</sub>	0.07	0.33
		VOC	0.15	0.65
		NO <sub>x</sub>	0.05	0.22
		CO	0.74	3.26
		SO <sub>2</sub>	<0.01	<0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
11	Spray Dryer Scrubber Stack	PM <sub>10</sub>	5.97	26.14
		VOC	0.19	0.84
		NO <sub>x</sub>	0.96	4.22
		CO	0.19	0.84
		SO <sub>2</sub>	0.02	0.08
		HF	0.58	
		HCl	0.04	
12	Tile Glaze Scrubber Stack	PM <sub>10</sub>	0.83	3.66
13	Body Material Storage Baghouse Stack	PM <sub>10</sub>	0.63	2.75
14	Tile Dryer Line No. 4 Stack	PM <sub>10</sub>	0.07	0.33
		VOC	0.15	0.65
		NO <sub>x</sub>	0.05	0.22
		CO	0.75	3.27
		SO <sub>2</sub>	<0.01	<0.01
15	Tile Dryer Line No. 3 Stack	PM <sub>10</sub>	0.07	0.33
		VOC	0.15	0.65
		NO <sub>x</sub>	0.05	0.22
		CO	0.75	3.27
		SO <sub>2</sub>	<0.01	<0.01
20	Tile Dryer Line No. 5 Stack	PM <sub>10</sub>	0.07	0.33
		VOC	0.15	0.65
		NO <sub>x</sub>	0.05	0.22
		CO	0.74	3.26
		SO <sub>2</sub>	<0.01	<0.01
23	Screening/Pressing Baghouse Stack	PM <sub>10</sub>	0.68	2.96
24	Tile Dryer Line	PM <sub>10</sub>	0.07	0.33

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
	No. 6 Stack	VOC	0.15	0.65
		NO <sub>x</sub>	0.05	0.22
		CO	0.74	3.26
		SO <sub>2</sub>	<0.01	<0.01
27	Crusher and Screening Baghouse Stack	PM <sub>10</sub>	0.23	1.01
28	Tile Cleaning Baghouse Stack	PM <sub>10</sub>	0.13	0.57
29	Common Kiln Stack	PM <sub>10</sub>	4.58	20.04
		VOC	0.47	2.07
		NO <sub>x</sub>	7.40	32.42
		CO	3.63	15.89
		SO <sub>2</sub>	16.27	71.27
		HF	24.29	106.39
		HCl	7.50	32.86
30	4- Emergency Generators (Bisque Kilns - Bldg. J)	PM <sub>10</sub>	0.02	<0.01
		VOC	<0.01	<0.01
		NO <sub>x</sub>	0.16	<0.01
		CO	0.04	<0.01
		SO <sub>2</sub>	<0.01	<0.01
31	4- Emergency Generators (Gloss Kilns - Bldg. J)	PM <sub>10</sub>	0.02	<0.01
		VOC	<0.01	<0.01
		NO <sub>x</sub>	0.16	<0.01
		CO	0.04	<0.01
		SO <sub>2</sub>	<0.01	<0.01
32	2-Emergency Generators (Bisque Kilns - Bldg. K)	PM <sub>10</sub>	0.01	<0.01
		VOC	<0.01	<0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
		NO <sub>x</sub>	0.08	<0.01
		CO	0.02	<0.01
		SO <sub>2</sub>	<0.01	<0.01
33	2-Emergency Generators (Gloss Kilns - Bldg. K)	PM <sub>10</sub>	0.01	<0.01
		VOC	<0.01	<0.01
		NO <sub>x</sub>	0.08	<0.01
		CO	0.02	<0.01
		SO <sub>2</sub>	<0.01	<0.01

- (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 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.  
 VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
 NO<sub>x</sub> - total oxides of nitrogen  
 CO - carbon monoxide  
 SO<sub>2</sub> - sulfur dioxide  
 HF - hydrogen fluoride  
 HCl - hydrogen chloride

\* Emission rates are based on and the facilities are limited to the following:

\_\_\_\_\_ Hrs/day \_\_\_\_\_ Days/week \_\_\_\_\_ Weeks/year or 8,760 Hours/ year

Bisque Kiln Production Rates (combined; Kiln Nos. 1-6): 13.36 Tons/hour

Gloss Kiln Production Rate (combined; Kiln Nos. 7-12): 13.80 Tons/hour

Total Annual Kiln Production Rate (combined): 237,922 Tons/year

Spray Dryer throughputs: 19.3 Tons/hour and 169,068 Tons/year

Tile Dryer throughputs (each): 2.5 Tons/hour and 21,900 Tons/ year

Dated December 29, 2005