

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 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)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY</u>
1	Raw Material Unloading and Storage Baghouse Stack	PM	0.380	0.335
		PM <sub>10</sub>	0.380	0.335
2	Scrap Tile Processing and Material Weigh/Feed Baghouse Stack	PM	0.903	2.71
		PM <sub>10</sub>	0.903	2.71
3	Screening/Pressing Baghouse Stack	PM	0.831	3.268
		PM <sub>10</sub>	0.831	3.268
4	Glaze Prep/Tile Glazing Baghouse Stack	PM	0.340	1.22
		PM <sub>10</sub>	0.340	1.22
5	Tile Dryer No. 1	PM	0.010	0.042
		PM <sub>10</sub>	0.010	0.042
		VOC	0.004	0.018
		NO <sub>x</sub>	0.080	0.349
		CO	0.017	0.073
		SO <sub>2</sub>	0.011	0.050
6	Tile Dryer No. 2	PM	0.010	0.042
		PM <sub>10</sub>	0.010	0.042
		VOC	0.004	0.018
		NO <sub>x</sub>	0.080	0.349
		CO	0.017	0.073
		SO <sub>2</sub>	0.011	0.050

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
7	Biscuit Kiln No. 1	PM	0.518	2.261
		PM <sub>10</sub>	0.518	2.261
		VOC	0.020	0.088
		NO <sub>x</sub>	0.647	2.827
		CO	0.388	1.696
		SO <sub>2</sub>	0.055	0.238
		HF	0.104	0.455
8	Biscuit Kiln No. 2	PM	0.518	2.261
		PM <sub>10</sub>	0.518	2.261
		VOC	0.020	0.088
		NO <sub>x</sub>	0.647	2.827
		CO	0.388	1.696
		SO <sub>2</sub>	0.055	0.238
		HF	0.104	0.455
9	Gloss Kiln No. 1	PM	0.292	1.274
		PM <sub>10</sub>	0.292	1.274
		VOC	0.016	0.069
		NO <sub>x</sub>	0.365	1.592
		CO	0.219	0.955
		SO <sub>2</sub>	0.043	0.186
		HF	0.099	0.433
10	Gloss Kiln No. 2	PM	0.292	1.274
		PM <sub>10</sub>	0.292	1.274
		VOC	0.016	0.069
		NO <sub>x</sub>	0.365	1.592
		CO	0.219	0.955
		SO <sub>2</sub>	0.043	0.186
		HF	0.099	0.433

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
11	Spray Dryer Scrubber	PM	3.69	10.73
		PM <sub>10</sub>	3.69	10.73
		VOC	0.074	0.212
		NO <sub>x</sub>	3.67	10.68
		CO	1.11	2.69
		SO <sub>2</sub>	0.38	1.09
12	Tile Glaze Scrubber	PM	0.570	2.075
		PM <sub>10</sub>	0.570	2.075
13	Body Material Storage Baghouse Stack	PM	0.299	1.176
		PM <sub>10</sub>	0.299	1.176
14	Tile Dryer No. 3	PM	0.010	0.042
		PM <sub>10</sub>	0.010	0.042
		VOC	0.004	0.018
		NO <sub>x</sub>	0.080	0.349
		CO	0.017	0.073
		SO <sub>2</sub>	0.011	0.050
15	Tile Dryer No. 4	PM	0.010	0.042
		PM <sub>10</sub>	0.010	0.042
		VOC	0.004	0.018
		NO <sub>x</sub>	0.080	0.349
		CO	0.017	0.073
		SO <sub>2</sub>	0.011	0.050
16	Biscuit Kiln No. 3	PM	0.518	2.261
		PM <sub>10</sub>	0.518	2.261
		VOC	0.020	0.088
		NO <sub>x</sub>	0.647	2.827
		CO	0.388	1.696
		SO <sub>2</sub>	0.055	0.238
		HF	0.104	0.455

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## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
17	Biscuit Kiln No. 4	PM	0.518	2.261
		PM <sub>10</sub>	0.518	2.261
		VOC	0.020	0.088
		NO <sub>x</sub>	0.647	2.827
		CO	0.388	1.696
		SO <sub>2</sub>	0.055	0.238
		HF	0.104	0.455
18	Gloss Kiln No. 3	PM	0.292	1.274
		PM <sub>10</sub>	0.292	1.274
		VOC	0.016	0.069
		NO <sub>x</sub>	0.365	1.592
		CO	0.219	0.955
		SO <sub>2</sub>	0.043	0.186
		HF	0.099	0.433
19	Gloss Kiln No. 4	PM	0.292	1.274
		PM <sub>10</sub>	0.292	1.274
		VOC	0.016	0.069
		NO <sub>x</sub>	0.365	1.592
		CO	0.219	0.955
		SO <sub>2</sub>	0.043	0.186
		HF	0.099	0.433
20	Tile Dryer No. 5	PM	0.006	0.03
		PM <sub>10</sub>	0.006	0.03
		VOC	0.004	0.02
		NO <sub>x</sub>	0.078	0.34
		CO	0.066	0.30
		SO <sub>2</sub>	0.011	0.05
21	Biscuit Kiln No. 5	PM	0.546	2.38

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
		PM <sub>10</sub>	0.546	2.38
		VOC	0.020	0.10
		NO <sub>x</sub>	0.375	1.65
		CO	0.315	1.38
		SO <sub>2</sub>	0.055	0.23
		HF	0.104	0.46
22	Gloss Kiln No. 5	PM	0.313	1.38
		PM <sub>10</sub>	0.313	1.38
		VOC	0.016	0.07
		NO <sub>x</sub>	0.292	1.28
		CO	0.245	1.07
		SO <sub>2</sub>	0.042	0.18
		HF	0.099	0.46
23	Screening/Pressing Baghouse Stack	PM	0.605	2.65
		PM <sub>10</sub>	0.605	2.65
24	Tile Dryer No. 6	PM	0.006	0.03
		PM <sub>10</sub>	0.006	0.03
		VOC	0.004	0.02
		NO <sub>x</sub>	0.078	0.34
		CO	0.066	0.30
		SO <sub>2</sub>	0.011	0.05
25	Biscuit Kiln No. 6	PM	0.546	2.38
		PM <sub>10</sub>	0.546	2.38
		VOC	0.020	0.10
		NO <sub>x</sub>	0.375	1.65
		CO	0.315	1.38
		SO <sub>2</sub>	0.055	0.23
		HF	0.104	0.46
26	Gloss Kiln No. 6	PM	0.313	1.38
		PM <sub>10</sub>	0.313	1.38

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
		VOC	0.016	0.07
		NO <sub>x</sub>	0.292	1.28
		CO	0.245	1.07
		SO <sub>2</sub>	0.042	0.18
		HF	0.099	0.46
27	Fired Tile Crusher Stack	PM	0.712	1.43
		PM <sub>10</sub>	0.712	1.43
28	Tile Cleaning Baghouse Stack	PM		0.273
	1.20			
		PM <sub>10</sub>	0.273	1.20

(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 30 Texas Administrative Code Section 101.1

NO<sub>x</sub> - total oxides of nitrogen

CO - carbon monoxide

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

HF - hydrogen fluoride

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

Hrs/day 24 Days/week 7 Weeks/year 52

Kiln capacity: Tons/hour 13 Tons/year 110,000

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY</u>

Dated\_\_\_\_\_