

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)	Emission Rates *	
			lb/hr	TPY
1	Raw Material Unloading and Storage Baghouse Stack	TSP	0.380	0.223
		PM ₁₀	0.380	0.223
2	Scrap Tile Processing and 1.806 Material Weigh/Feed Baghouse Stack	TSP		0.903
		PM ₁₀	0.903	1.806
3	Screening/Pressing Baghouse Stack	TSP	0.831	3.268
		PM ₁₀	0.831	3.268
4	Glaze Prep/Tile Glazing Baghouse Stack	TSP	0.340	0.812
		PM ₁₀	0.340	0.812
5	Tile Dryer No. 1	TSP	0.010	0.042
		PM ₁₀	0.010	0.042
		VOC	0.004	0.018
		NO _x	0.080	0.349
		CO	0.017	0.073
		SO ₂	0.011	0.050
6	Tile Dryer No. 2	TSP	0.010	0.042
		PM ₁₀	0.010	0.042
		VOC	0.004	0.018
		NO _x	0.080	0.349
		CO	0.017	0.073
		SO ₂	0.011	0.050

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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>
7	Biscuit Kiln No. 1	TSP	0.518	2.261
		PM ₁₀	0.518	2.261
		VOC	0.020	0.088
		NO _x	0.647	2.827
		CO	0.388	1.696
		SO ₂	0.055	0.238
		HF	0.104	0.455
8	Biscuit Kiln No. 2	TSP	0.518	2.261
		PM ₁₀	0.518	2.261
		VOC	0.020	0.088
		NO _x	0.647	2.827
		CO	0.388	1.696
		SO ₂	0.055	0.238
		HF	0.104	0.455
9	Gloss Kiln No. 1	TSP	0.292	1.274
		PM ₁₀	0.292	1.274
		VOC	0.016	0.069
		NO _x	0.365	1.592
		CO	0.219	0.955
		SO ₂	0.043	0.186
		HF	0.099	0.433
10	Gloss Kiln No. 2	TSP	0.292	1.274
		PM ₁₀	0.292	1.274
		VOC	0.016	0.069
		NO _x	0.365	1.592
		CO	0.219	0.955
		SO ₂	0.043	0.186
		HF	0.099	0.433
11	Spray Dryer Scrubber	TSP	3.072	7.155

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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>
12	Tile Glaze Scrubber	PM ₁₀	3.072	7.155
		VOC	0.061	0.141
		NO _x	3.055	7.115
		CO	0.764	1.779
		SO ₂	0.312	0.726
		TSP	0.570	2.075
		PM ₁₀	0.570	2.075
13	Body Material Storage Baghouse Stack	TSP	0.299	1.176
		PM ₁₀	0.299	1.176
14	Tile Dryer No. 3	TSP	0.010	0.042
		PM ₁₀	0.010	0.042
		VOC	0.004	0.018
		NO _x	0.080	0.349
		CO	0.017	0.073
		SO ₂	0.011	0.050
15	Tile Dryer No. 4	TSP	0.010	0.042
		PM ₁₀	0.010	0.042
		VOC	0.004	0.018
		NO _x	0.080	0.349
		CO	0.017	0.073
		SO ₂	0.011	0.050
16	Biscuit Kiln No. 3	TSP	0.518	2.261
		PM ₁₀	0.518	2.261
		VOC	0.020	0.088
		NO _x	0.647	2.827
		CO	0.388	1.696
		SO ₂	0.055	0.238
		HF	0.104	0.455
17	Biscuit Kiln No. 4	TSP	0.518	2.261
		PM ₁₀	0.518	2.261
		VOC	0.020	0.088
		NO _x	0.647	2.827
		CO	0.388	1.696

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
		SO ₂	0.055	0.238
		HF	0.104	0.455
18	Gloss Kiln No. 3	TSP	0.292	1.274
		PM ₁₀	0.292	1.274
		VOC	0.016	0.069
		NO _x	0.365	1.592
		CO	0.219	0.955
		SO ₂	0.043	0.186
		HF	0.099	0.433
19	Gloss Kiln No. 4	TSP	0.292	1.274
		PM ₁₀	0.292	1.274
		VOC	0.016	0.069
		NO _x	0.365	1.592
		CO	0.219	0.955
		SO ₂	0.043	0.186
		HF	0.099	0.433

- (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) TSP - total suspended particulate matter including PM₁₀
 PM₁₀ - particulate matter less than 10 microns in diameter
 VOC - volatile organic compounds as defined in General Rule 101.1
 NO_x - total oxides of nitrogen
 CO - carbon monoxide
 SO₂ - 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

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			<u>lb/hr</u>	<u>TPY</u>

Kiln capacity: Tons/hour 9 Tons/year 79,000

Dated _____