

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 8726

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
24	Body Prep/Material Storage 0.87		PM	0.29
	Baghouse Stack	PM ₁₀	0.29	0.87
25	50-Inch Raymond Mill	PM	0.60	1.22
	Baghouse Stack	PM ₁₀	0.60	1.22
		VOC	0.02	0.05
		NO _x	0.46	0.94
		CO	0.10	0.20
		SO ₂	0.07	0.13
50	66-Inch Raymond Mill	PM	1.29	3.92
	Baghouse Stack	PM ₁₀	1.29	3.92
		VOC	0.05	0.15
		NO _x	0.95	2.90
		CO	0.20	0.61
		SO ₂	0.14	0.41
51	Material Silos and Weigh Bins 9.01		PM	2.06
	Baghouse Stack	PM ₁₀	2.06	9.01
73	Railcar Unloading (4)	PM	0.05	0.01
		PM ₁₀	0.02	0.004
69	Raw Materials Silos	PM	1.29	5.63
	Baghouse Stack	PM ₁₀	1.29	5.63
83	Screening/Pressing	PM	0.37	1.64

Permit No. 8726
Page 2

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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>
	Baghouse Stack	PM ₁₀	0.37	1.64

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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>
82	Spray Dryer Baghouse Stack	PM	0.62	1.90
		PM ₁₀	0.62	1.90
		VOC	0.03	0.09
		NO _x	1.50	4.54
		CO	0.37	1.13
		SO ₂	0.15	0.46
88	Tile Glaze Baghouse Stack	PM	0.49	2.11
		PM ₁₀	0.49	2.11
89	Raw Material Storage Baghouse Stack	PM	0.04	0.05
		PM ₁₀	0.04	0.05
84	Tile Dryer	PM	0.23	1.02
		PM ₁₀	0.23	1.02
		VOC	0.004	0.02
		NO _x	0.08	0.35
		CO	0.02	0.07
		SO ₂	0.01	0.05
85	Tile Dryer	PM	0.23	1.02
		PM ₁₀	0.23	1.02
		VOC	0.004	0.02
		NO _x	0.08	0.35
		CO	0.02	0.07
		SO ₂	0.01	0.05
86	Bisque/Gloss Roller Kiln	PM	1.18	5.19
		PM ₁₀	1.18	5.19
		VOC	0.04	0.18
		NO _x	1.21	5.29
		CO	0.73	3.18
		SO ₂	0.11	0.48
		HF	0.22	0.98

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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>
87	Bisque/Gloss Roller Kiln	PM	1.18	5.19
		PM ₁₀	1.18	5.19
		VOC	0.04	0.18
		NO _x	1.21	5.29
		CO	0.73	3.18
		SO ₂	0.11	0.48
		HF	0.22	0.98
90	Blunger Silo Bin Vent	PM	0.04	0.06
		PM ₁₀	0.04	0.06
91	Blunger Silo Bin Vent	PM	0.04	0.06
		PM ₁₀	0.04	0.06
92	Crusher Baghouse Stack	PM	0.39	0.98
		PM ₁₀	0.39	0.98

(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 PM₁₀
 PM₁₀ - 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 General Rule 101.1

NO_x - total oxides of nitrogen

CO - carbon monoxide

SO₂ - sulfur dioxide

HF - hydrogen fluoride

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

* 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

Two Double Kilns capacity: Tons/hour 5.0 Tons/year 43,000

Dated _____