

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 73592

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	Feldspar Silo Baghouse Stack	PM ₁₀	0.06	0.10
2	Flint Silo Baghouse Stack	PM ₁₀	0.06	0.10
3	Slip House Baghouse Stack	PM ₁₀	0.06	0.10
16	Washing/Inspection Stack 1	PM PM ₁₀ 0.95	1.87 3.20	6.20
17	Washing/Inspection Stack 2	PM PM ₁₀ 0.95	1.87 3.20	6.20
18	Tank Spray Machine Stack	PM PM ₁₀ 0.09	0.23 0.22	0.57
19	Glaze Spraying Stack 1	PM PM ₁₀ 0.09	0.23 0.22	0.57
20a	Glaze Spraying Stack 2a	PM PM ₁₀	0.23 0.09	0.57 0.22
20b	Glaze Spraying Stack 2b	PM PM ₁₀	0.23 0.09	0.57 0.22

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY**
21	Kiln No. 3, Stack 1	PM ₁₀	0.18	0.64
		VOC	0.16	0.56
		CO	1.24	4.33
		NO _x	0.20	0.71
		F	0.21	0.74
		HF	0.17	0.60
		SO ₂	0.20	0.50
22	Kiln No. 3, Stack 2	PM ₁₀	0.18	0.64
		VOC	0.16	0.56
		CO	1.24	4.33
		NO _x	0.20	0.71
		F	0.21	0.74
		HF	0.17	0.60
		SO ₂	0.20	0.50
23a	Kiln No. 4, Stack 1	PM ₁₀	0.21	0.74
		VOC	0.18	0.65
		CO	1.40	4.95
		NO _x	0.23	0.81
		F	0.24	0.84
		HF	0.20	0.69
		SO ₂	0.20	0.50
24	Kiln No. 4, Stack 2	PM ₁₀	0.21	0.74
		VOC	0.18	0.65
		CO	1.40	4.95
		NO _x	0.23	0.81
		F	0.24	0.84
		HF	0.20	0.69
		SO ₂	0.20	0.50

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
14a	Kiln No. 5, Stack 1	PM ₁₀	0.23	0.86
		VOC	0.20	0.75
		CO	1.55	5.78
		NO _x	0.25	0.95
		F	0.26	0.98
		HF	0.22	0.81
		SO ₂	0.20	0.50
15	Kiln No. 5, Stack 2	PM ₁₀	0.23	0.86
		VOC	0.20	0.75
		CO	1.55	5.78
		NO _x	0.25	0.95
		F	0.26	0.98
		HF	0.22	0.81
		SO ₂	0.20	0.50
14b	Kiln No. 5 Cart Blower Stack	PM ₁₀	0.03	0.10
23b	Kiln No. 4 Cart Blower Stack	PM ₁₀	0.03	0.10
31	Ball Mill No. 1 Stack	PM ₁₀	0.04	0.10
32	Ball Mill No. 2 Stack	PM ₁₀	0.04	0.10
33	Ball Mill No. 4 Stack	PM ₁₀	0.04	0.10
34	Ball Mill No. 5 Stack	PM ₁₀	0.03	0.08
35	Ball Mill No. 6 Stack	PM ₁₀	0.03	0.08

- (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 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 Title 30 Texas Administrative Code § 101.1
CO - carbon monoxide
NO_x - total oxides of nitrogen
F - fluoride
HF - hydrogen fluoride
SO₂ - sulfur dioxide

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

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

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

EPNs 1, 2, 3, 16, 17, 18, 20a, 20b, and 31 through 35 are limited to 5,256 hours per year of operation.

Kiln Nos. 3, 4, and 5 and EPNs 14a, 14b, 15, 21, 22, 23a, 23b, and 24 are authorized to operate 8,760 hours per year.

Dated July 21, 2005