

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 43192

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>	
			lb/hr	TPY*
BH-1	Exfoliator Furnace	PM	0.26	1.13
	Baghouse Stack	PM ₁₀	0.15	0.64
	Exfoliator Furnace	NO _x	0.80	3.50
	Expansion Cyclone	CO	0.67	2.94
		VOC	0.044	0.19
		SO ₂	0.005	0.02
BH-2	Process Line Baghouse	PM	0.003	0.01
	Stack	PM ₁₀	0.001	0.004
	Raw Material Handling			
	Binder Auger			
	Inline Auger			
	Baggers			
	Bucket Elevator			
BF-1	Limestone Silo	PM	0.07	0.61
	Baghouse	PM ₁₀	0.05	0.60
BF-2	Cement Silo Baghouse	PM	0.07	0.61
		PM ₁₀	0.05	0.60
BF-3	Plaster Silo Baghouse	PM	0.07	0.65
		PM ₁₀	0.05	0.61
F-1	Raw Material Building	PM	0.012	0.08
	(4)	PM ₁₀	0.006	0.04
	Vermiculite Unloading and Handling			

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F-2	Manufacturing Building	PM	0.022	0.10
	Bulk Clay and Mica Handling (4)	PM ₁₀	0.007	0.03
F-4	Baghouse Waste Bin (4)	PM	<0.001	0.0004
	Baghouse Waste	PM ₁₀	<0.0001	0.0002

- (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) NO_x - total oxides of nitrogen
CO - carbon monoxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
SO₂ - sulfur dioxide
PM - particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}
PM₁₀ - particulate matter equal to or less than 10 microns in diameter
PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
- (4) Fugitive emissions are an estimate only.

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

Dated February 2, 2010