

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 76792

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
<u>Loading/Unloading Operations</u>				
FLT 1100	Lime Railcar Receiver Dust Collector	PM ₁₀	0.17	0.75
FLT 1140	Lime Silo Baghouse	PM ₁₀	0.17	0.75
FLT 1080	Flour Silo Baghouse	PM ₁₀	0.17	0.75
LDR 6060	Finished Product Tank #1 Loadout	PM ₁₀	0.10	0.45
LDR 6070	Finished Product Tank #2 Loadout	PM ₁₀	0.10	0.45
LDR 6080	Finished Product Tank #3 Loadout	PM ₁₀	0.10	0.45
LDR 6090	Finished Product Tank #3 Baghouse	PM ₁₀	0.17	0.75
LDR 7110	Waste Material Loadout	PM ₁₀	0.07	0.30
FLT 7140	Waste Material Silo Baghouse	PM ₁₀	0.14	0.61
<u>Material Handling Operations</u>				
FLT 1330	Hydrator Dust Collector Baghouse	PM ₁₀	0.42	1.85
FLT 1450	Hydrate Crusher Baghouse	PM ₁₀	0.71	3.13
FLT 1580	Hydrate Silo Baghouse	PM ₁₀	0.17	0.75

FLT 2100	Turbine Mixer Baghouse	PM ₁₀	0.17	0.75
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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
FLT 4100	Dryer Dust Collector Baghouse	PM ₁₀	1.07	4.68
FLT 2010	Dryer Dust Collector Silo Baghouse	PM ₁₀	0.17	0.75
FLT 5120	Classifier Dust Collector Baghouse	PM ₁₀	0.90	3.94
<u>Central Dust Collector Systems</u>				
FLT 7000	Material Handling Dust Collector	PM ₁₀	2.97	0.68
FLT 7120	Vacuum System Dust Collector	PM ₁₀	0.21	0.90
FLT 2020	Spare Silo Baghouse	PM ₁₀	0.17	0.75
TANK	525 gal Diesel Fuel Tank	VOC	<0.01	<0.01
DRYER	32.7 mmBtu/hr N.G. Dryer	PM ₁₀	0.24	1.07
		NO _x	0.58	2.55
		CO	2.36	10.34
		SO ₂	0.02	0.08
		VOC	0.18	0.77

(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 Title 30 Texas Administrative Code § 101.1

NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
CO - carbon monoxide

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- * 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

Maximum Annual Production: 200,000 Tons per year of synthetic silicate raw material

Dated January 6, 2006