

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 5298

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
CEF-2	Limestone Dump to Hopper (4)	PM	0.53	0.46
		PM ₁₀	0.25	0.22
CEF-3	Hopper to Crusher (4)	PM	3.96	3.42
		PM ₁₀	1.87	1.61
FRB-1	Crusher to Belt (4)	PM	3.96	3.42
		PM ₁₀	1.87	1.61
FRB-2	Belt Transfer Point (4)	PM	3.96	3.42
		PM ₁₀	1.87	1.61
FRB-3	Drop to Raw Material Building (4)	PM	3.96	3.42
		PM ₁₀	1.87	1.61
FMS-3	Loader Drop to Belt Bin (4)	PM	2.66	1.14
		PM ₁₀	1.26	0.54
FRB-4	Loading Bin Drop to Belt (4)	PM	2.66	1.14
		PM ₁₀	1.26	0.54
FRB-5	Belt Transfer to Stacker Belt (4)	PM	3.96	3.42
		PM ₁₀	1.87	1.61
FMS-4	Undergrate Feeder to Belt (4)	PM	0.61	1.53
		PM ₁₀	0.29	0.72

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
FSASP2	Drop to Sand Pile (4)	PM	0.10	0.38
		PM ₁₀	0.04	0.18
FMSSP2	Mill Scale Drop From Railcar (4)	PM	0.08	0.31
		PM ₁₀	0.04	0.15
FMSSP3	Mill Scale Loader to Pile (4)	PM	0.08	0.31
		PM ₁₀	0.04	0.15
FMSSP4	Mill Scale Loader to Feeder Pile (4)	PM	0.08	0.31
		PM ₁₀	0.04	0.15
FMSSP5	Mill Scale Feeder to Feed Belt (4)	PM	0.08	0.31
		PM ₁₀	0.04	0.15
FSASP3	Sand Loader to Hopper (4)	PM	0.10	0.38
		PM ₁₀	0.04	0.18
FSASP4	Sand Hopper to Belt (4)	PM	0.10	0.38
		PM ₁₀	0.04	0.18
FSASP5	Sand Belt to Bin (4)	PM	0.10	0.38
		PM ₁₀	0.04	0.18
FSASP6	Sand Bin Drop to Feeder (4)	PM	0.01	0.05
		PM ₁₀	0.01	0.02
FSASP7	Sand Feeder Drop to Mill Belt (4)	PM	0.10	0.38
		PM ₁₀	0.04	0.18
DEF-1	Transfer Collector Baghouse Stack	PM	0.89	3.57
		PM ₁₀	0.89	3.57

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
DEF-2	Surge Bin Collector Baghouse Stack	PM	0.36	1.44
		PM ₁₀	0.36	1.44
FEF-1	Storage/Blend Silo No. 1 Collector Baghouse Stack	PM	2.57	10.29
		PM ₁₀	2.57	10.29
FEF-2	Storage/Blend Silo No. 2 Collector Baghouse Stack	PM	1.03	4.11
		PM ₁₀	1.03	4.11
EEF-8	Separator Collector Baghouse Stack	PM	9.43	37.71
		PM ₁₀	9.43	37.71
		VOC	3.12	12.46
		NO _x	5.77	23.07
		SO ₂	0.02	0.10
		CO	1.44	5.77
EEF-9	Mill Collector Baghouse Stack	PM	3.43	13.71
		PM ₁₀	3.43	13.71
CEF-1	Crusher Collector Baghouse Stack	PM	2.57	3.21
		PM ₁₀	2.57	3.21

- (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 PM 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
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable

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emission rate.

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

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 3,000 (Crusher) and Hrs/year 8,000 (Mill No. 4)

Throughput rates: 975,000 tons/year of raw material

930,000 tons/year of limestone through crusher

Date October 7, 2005