

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 52781

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**
LOAD-1	Hematite - Loader to Feed Hopper Drop (4)	PM	0.02	0.08
		PM ₁₀	0.01	0.04
DC-1	Hematite Dryer 1 Dust Collector	PM	0.26	1.12
		PM ₁₀	0.26	1.12
		NO _x	1.62	7.10
		CO	0.54	2.34
		VOC	0.04	0.15
		SO ₂	0.09	0.41
DC-2	Hematite Silo 1 Dust Collector	PM	0.06	0.26
		PM ₁₀	0.06	0.26
DC-3	Hematite Silo 2 Dust Collector	PM	0.06	0.26
		PM ₁₀	0.06	0.26
4-B-1	Barite Raw Material Storage Piles B-1 (4)	PM	0.02	0.10
		PM ₁₀	0.01	0.05
4-B-2	Barite Raw Material Storage Piles B-2 (4)	PM	0.03	0.14
		PM ₁₀	0.02	0.07
4-B-3	Hematite Raw Material Storage Piles B-3 (4)	PM	0.06	0.28
		PM ₁₀	0.03	0.14
5-B-1	Loader to Feed Hopper Drop (4)	PM	<0.01	0.03
		PM ₁₀	<0.01	0.02
5-B-2	Drop to Screen 1 and Screening (4)	PM	0.12	0.52
		PM ₁₀	0.06	0.25
5-B-3	Drop to Screen 3 and	PM	0.12	0.52

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
	Screening (4)	PM ₁₀	0.06	0.25
6-B-1	Drop to Crude Ore Bin Conveyor (4)	PM	<0.01	0.01
		PM ₁₀	<0.01	<0.01
6-B-2	Drop to Crude Ore Bin (4)	PM	<0.01	0.01
		PM ₁₀	<0.01	
8-B	Hammer Mill Crushing (4)	PM	<0.01	0.02
		PM ₁₀	<0.01	
1-A	Crusher and Vibrating Screen Baghouse Stack	PM ₁₀	0.21	0.91
3-A	Mill No. 1 Baghouse Stack	PM ₁₀	0.12	0.51
4-A-1	Shipping Silo and Loading Baghouse Stack	PM ₁₀	0.21	0.91
4-A-2	Bagging Silo and Loading Baghouse Stack	PM ₁₀	0.21	0.91
5-A	Product Silos Baghouse Stack	PM ₁₀	0.21	0.91
9-A	Mill No. 2 Baghouse Stack	PM ₁₀	0.21	0.91
1-C	Conveyors (4)	PM	0.03	0.14
		PM ₁₀	0.03	0.14

(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.

NO_x - oxides of nitrogen

CO - carbon monoxide

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

SO₂ - sulfur dioxide

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1.

(4) Fugitive emissions are an estimate only.

* 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.

Dated_____