

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number S-17898

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit; i.e. Sulphur Grinding Mill Line 2. 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	Fabric Filter Dust Collector	Sulphur PM	0.21	0.42
2	CO ₂ generator	NO _x	0.22	0.25
		CO	0.19	0.21
		PM	0.02	0.02
		SO ₂	<0.01	<0.01
		VOC	0.01	0.01
3	Vats into which molten sulphur is poured	H ₂ S	<0.01	<0.01

- (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 area name or fugitive source names.
- (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 - total oxides of nitrogen
 CO - carbon monoxide
 SO₂ - sulphur dioxide
 VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 H₂S - hydrogen sulfide
- (4) Fugitive emissions are an estimate only. Emission rates are cumulative value for all of the emission points identified.

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

Sulphur Grinding Mill

16 Hrs/day 5 Days/week 50 Weeks/year or 4,000 Hrs/year

CO₂ Generator

2,214 Hrs/year

Total hourly production: 7,000 pounds per hour

Total annual production: 14,000 tons per year

Dated May 23, 2003