

Emission Sources - Maximum Allowable Emission Rates

Permit Number 9397 and PSDTX625M1

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, sources, and related activities. 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 (6) *	
			lbs/hour	TPY
2	Electric Arc Furnace or Cupola 1 or Cupola 2	PM ₁₀	3.24	14.30
		NO _x	12.85	52.06
		CO	1477.00	4800.40
		SO ₂	149.81	487.80
		HF	0.57	2.10
		H ₂ S	15.70	57.60
		COS	19.87	75.82
		TRS	35.57	133.42
		HCN	< 0.01	0.03
2	Electric Arc Furnace or Cupola 1 or Cupola 2 (5)	SO ₂	203.38	--
		TRS	48.29	--
3	Scrubber	PM ₁₀	21.20	80.90
		VOC	0.05	0.22
4	Material Handling (includes stockpiles)	PM	1.00	0.70
		PM ₁₀	0.47	0.38
5	Cupola Building Fugitives	PM ₁₀	< 0.01	< 0.01
		NO _x	< 0.01	< 0.01
		CO	0.15	0.47
5	Cupola Building Fugitives	SO ₂	< 0.01	0.04
		HF	< 0.01	< 0.01
		H ₂ S	< 0.01	< 0.01
		COS	< 0.01	< 0.01
		TRS	< 0.01	0.01

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		HCN	< 0.01	< 0.01
6	Oil Storage Tank	VOC	1.82	< 0.01

- (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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code Section 101.1
- PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
- PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
- NO_x - total oxides of nitrogen
- CO - carbon monoxide
- SO₂ - sulfur dioxide
- HF - hydrogen fluoride
- H₂S - hydrogen sulfide
- COS - carbonyl sulfide
- TRS - total reduced sulfur
- HCN - hydrogen cyanide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Each cupola is authorized to produce white mineral wool, which uses feldspar instead of trap rock, for a total of 24 hours, for the sole purpose of determining the emission increases, if any, of SO₂ and TRS.
- (6) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

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

Hrs/day 24 Days/week 7 Weeks/year 52

Date: January 22, 2013