

Emission Sources - Maximum Allowable Emission Rates

Permit Number 8576 and PSDTX371M4

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*	
			lbs/hour (4) (5)	TPY (4) (6)
LMS1	Boiler Unit 1 Scrubber Stack	NO _x	2265	9921
		SO ₂ (3-hour rolling average)	9000	---
		SO ₂ (24-hour rolling average)	6479	28378
		PM	236	1033
		PM (7)	7616	---
		PM ₁₀ (7)	5103	---
		PM _{2.5} (7)	2209	---
		CO (1-hour average)	6000	---
		CO (24-hour rolling average)	2990	3823
		VOC	52.7	231
		VOC (7)	52.8	---
		H ₂ SO ₄	245	1071
		Pb	0.26	0.46
		As	0.17	0.39
		Be	0.07	0.05
		Cd	0.06	0.12
		Cr	0.49	0.78
		HCl	122.1	274.9
		HF	81.4	87.4
		Mn	1.23	1.28

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		Hg	0.4	0.74
		Ni	0.49	1.59
		Se	10.79	5.7
		V	2.1	6.9
LMS2	Boiler Unit 2 Scrubber Stack	NO _x	2265	9921
		SO ₂ (3-hour rolling average)	9000	---
		SO ₂ (24-hour rolling average)	6479	28378
		PM	236	1033
		PM (7)	7616	---
		PM ₁₀ (7)	5103	---
		PM _{2.5} (7)	2209	---
		CO (1-hour average)	6000	---
		CO (24-hour rolling average)	2990	3823
		VOC	52.7	231
		VOC (7)	52.8	---
		H ₂ SO ₄	245	1071
		Pb	0.26	0.46
		As	0.17	0.39
		Be	0.07	0.05
		Cd	0.06	0.12
		Cr	0.49	0.78
		HCl	122.1	274.9
		HF	81.4	87.4
		Mn	1.23	1.28
		Hg	0.4	0.74
		Ni	0.49	1.59

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	Se	10.79	5.7
	V	2.1	6.9

- (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) NO_x - total oxides of nitrogen
 SO₂ - sulfur dioxide
 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 in emitted.
 CO - carbon monoxide
 VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 H₂SO₄ - sulfuric acid mist
 Pb - lead
 As - arsenic
 Be - beryllium
 Cd - cadmium
 Cr - chromium
 HCl - hydrogen chloride
 HF - hydrogen fluoride
 Mn - manganese
 Hg - mercury
 Ni - nickel
 Se - selenium
 V - vanadium
- (4) The pound per hour and ton per year emission limits specified in the MAERT for this facility includes emissions from the facility during both normal operations and planned MSS activities, unless otherwise noted.
- (5) For each pollutant whose emissions during planned MSS activities are measured using a CEMS, the MSS lb/hr limits apply only during each clock hour that includes one or more minutes of MSS activities. During all other clock hours, the normal lb/hr limits apply.
- (6) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (7) MSS hourly emission limit only. The tpy emission limit specified in the MAERT for this facility includes emissions from the facility during both normal operations and planned MSS activities.

* Emission rates are based on the following operating schedule:

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/yr 8,760

Date: August 15, 2012