

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 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 (4)	
			lbs/hour (5)	TPY (6)
LMS1	Boiler Unit 1 Scrubber Stack	NO _x	2,265	9,921
		SO ₂ (3-hour rolling average)	9,000	28,378
		SO ₂ (24-hour rolling average)	6,479	--
		PM	236	1,033
		PM (7)	7,616	--
		PM ₁₀ (7)	5,103	--
		PM _{2.5} (7)	2,209	--
		CO (1-hour average)	2,202	3,823
		CO (8-hour rolling average)	873	--
		VOC	52.7	231
		VOC (7)	52.8	--
		H ₂ SO ₄	245	1,071
		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	2,265	9,921
		SO ₂ (3-hour rolling average)	9,000	28,378
		SO ₂ (24-hour rolling average)	6,479	--
		PM	236	1,033
		PM (7)	7,616	--
		PM ₁₀ (7)	5,103	--
		PM _{2.5} (7)	2,209	--
		CO (1-hour average)	2,202	3,823
		CO (8-hour rolling average)	873	--
		VOC	52.7	231
		VOC (7)	52.8	--
		H ₂ SO ₄	245	1,071
		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

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		Ni	0.49	1.59
		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.

Date: June 18, 2013