

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Nos. 8576 and PSD-TX-371M3

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	Source	Air Contaminant		
	Emission Rates *			
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
LMS1	Boiler Unit 1 Scrubber Stack	NO _x	3932.0	15498.0
		SO ₂	9000	
		(3-hour rolling average)		
		SO ₂	6479.0	28378.0
		(24-hour rolling average)		
		PM	236.0	1033.0
		CO	873.0	
		(8-hour rolling average)		
		CO	2202.0	3823.0
		VOC	52.7	231.0
		H ₂ SO ₄	245.0	1071.0
		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	0.40	0.74
		Ni	0.49	1.59
		Se	10.79	5.70
		V	2.10	6.90

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Emission	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No.</u>	<u>Name</u>	<u>Name</u>	<u>lb/hr</u>	<u>TPY</u>
LMS2	Boiler Unit 2	NO _x **	1966.0	8610.0
	Scrubber Stack	SO ₂	9000.0	
		(3-hour rolling average)		
		SO ₂	6479.0	28378.0
		(24-hour rolling average)		
		PM	236.0	1033.0
		CO	873.0	
		(8-hour rolling average)		
		CO	2202.0	3823.0
		VOC	52.7	231.0
		H ₂ SO ₄	245.0	1071.0
		Pb	0.26	0.46
		As	0.17	0.39
		Be	0.07	0.05
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- (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 30 Texas Administrative Code Section 101.1
- 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
SO₂ - sulfur dioxide
CO - carbon monoxide
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

* Emission rates are based on the following operating schedule:

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

** Decrease of NO_x emissions per Standard Permit No. 43353, February 7, 2000.

Dated_____