

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 20180 and PSD-TX-804

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 Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY</u>
H-030	No. 2 Reformer Charge Heater	VOC	0.71	3.13
		NO _x	13.35	58.48
		SO ₂	6.39	19.61
		PM	2.10	9.19
		CO	7.63	33.42
H-032	No. 2 Reformer Charge Heater	VOC	0.39	1.72
		NO _x	4.20	18.41
		SO ₂	3.52	4.64
		PM	1.16	5.06
		CO	4.20	18.41
H-033	No. 2 Reformer Stab Reboiler	VOC	0.13	0.55
		NO _x	1.35	5.91
		SO ₂	1.13	1.49
		PM	0.37	1.63
		CO	1.35	5.91
V-007	No. 2 Reformer Regeneration Vent	CO	7.00	30.66
		Cl ₂	0.20	0.50
F-3100	No. 2 Reformer Fugitives (4)	VOC	6.93	30.3
F-3110	No. 2 Reformer Water Separator	VOC	0.12	0.53

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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 Title 30 Texas Administrative Code § 101.1
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 particulate matter greater than 10 microns is emitted.

CO - carbon monoxide
Cl₂ - all chlorides and chlorine
- (4) Fugitive emissions are an estimate only and should not be considered as maximum allowable emission rates.

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

_____Hrs/day_____Days/week_____Weeks/year or 8,760 Hrs/year

Dated May 20, 2004