

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 6328

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)	Emission Rates *	
			lb/hr	TPY
H-004	Lube HDS Charge Heater	VOC	0.05	0.2
		NO _x	0.33	1.4
		SO ₂	0.29	0.9
		PM ₁₀	0.08	0.4
		CO	0.33	1.4
H-015	Lube Crude Heater/ Vacuum Charge Heater (5)	VOC	0.13	0.6
		NO _x	0.83	3.6
		SO ₂	0.73	0.78
		PM ₁₀	0.20	0.9
		CO	0.83	3.6
F-1000	Lube Crude Fugitives (4)	VOC	4.00	17.5
F-0400	Lube HDS Fugitives (4)	VOC	3.20	14.0

- (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
 PM₁₀ - particulate matter (PM) 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
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Two Heaters (H015a and H015b) share a common convection section and stack.

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

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Emission Point No. (1)	Source Name (2)	Name (3)	Air Contaminant lb/hr	TPY	<u>Emission Rates *</u>
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Hrs/day ____ Days/week ____ Weeks/year ____ or Hrs/year 8,760

Dated May 20, 2004