

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 2724

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>	
			lb/hr	TPY**
6	Acid Gas Flare (5)	CO	1.06	4.65
		NO _x	0.53	2.33
		VOC	2.79	12.22
ENG1021	Compressor Engine	CO	9.88	43.28
		NO _x	81.15	355.45
		PM ₁₀	1.24	5.42
		SO ₂	0.02	0.07
		VOC	3.07	13.46
ENG1022	Compressor Engine	CO	9.88	43.28
		NO _x	81.15	355.45
		PM ₁₀	1.24	5.42
		SO ₂	0.02	0.07
		VOC	3.07	13.46
H-1	Old Amine Heater Stack	CO	0.75	3.30
		NO _x	0.90	3.93
		PM ₁₀	0.07	0.30
		SO ₂	0.01	0.02
		VOC	0.05	0.22
H-2	New Amine Heater Stack	CO	2.30	10.06
		NO _x	2.74	11.98
		PM ₁₀	0.21	0.91
		SO ₂	0.02	0.07
		VOC	0.15	0.66
H-88	WTG Glycol Reboiler Stack	CO	0.12	0.54
		NO _x	0.15	0.64

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY **
		PM ₁₀	0.01	0.05
		SO ₂	0.01	0.01
		VOC	0.01	0.04
H-301	Regenerative Heater	CO	0.40	1.76
		NO _x	0.48	2.09
		PM ₁₀	0.04	0.16
		SO ₂	0.01	0.01
		VOC	0.03	0.12
H-1402	Therminol Heater	CO	0.25	1.08
		NO _x	0.29	1.29
		PM ₁₀	0.02	0.10
		SO ₂	0.01	0.01
		VOC	0.02	0.07
S-1	SRU Stack	CO	0.22	0.97
		H ₂ S	1.87	8.18
		NO _x	0.26	1.16
		PM ₁₀	0.02	0.09
		SO ₂	182.88	801.00
		VOC	0.66	2.90
S-PIT	Sulfur Pit	H ₂ S	0.01	0.01
S-TRUCK	Sulfur Tank Truck Loading	H ₂ S	0.01	0.01
F-1	Area Process Fugitives (4)	H ₂ S	0.05	0.23
		VOC	1.25	6.36

- (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) CO - carbon monoxide
NO_x - total oxides of nitrogen
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.
SO₂ - sulfur dioxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
H₂S - hydrogen sulfide

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- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
(5) Emissions represented are only from pilot gas and the glycol regeneration vent.

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

Hrs/day 24 Days/week 7 Weeks/year 52

** Compliance with annual emission limits is based on a rolling 12-month period.

Dated March 8, 2004