

Emission Sources - Maximum Allowable Emission Rates

Permit Number 53425

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	
			lbs/hour	TPY (4)
77STRBRHTR	Naphtha Stripper Reboiler	CO	1.26	5.52
		NO _x	1.50	6.57
		PM/PM ₁₀	0.13	0.54
		VOC	0.09	0.39
		SO ₂	0.44	0.54
77HYDGNHTR	Hydrogen Preheat Heater	CO	1.77	7.73
		NO _x	2.10	9.20
		PM/PM ₁₀	0.18	0.76
		VOC	0.13	0.55
		SO ₂	0.62	0.76
77LSGFUG	Piping Fugitives (5)	VOC	7.87	34.49
		H ₂ S	0.21	0.92
16SOUTHFLR	South Flare (6)	CO	95.47	0.22
		NO _x	13.32	0.03
		VOC	209.92	0.43
		SO ₂	5.42	0.01
		H ₂ S	0.06	0.01
77MPMSS	Pumps – secondary clearing (6)	VOC	2.65	0.01

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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)

CO	- carbon monoxide
NO _x	- total oxides of nitrogen
PM	- total particulate matter, suspended in the atmosphere, including PM ₁₀
PM ₁₀	- total particulate matter equal to or less than 10 microns in diameter
VOC	- volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
SO ₂	- sulfur dioxide
H ₂ S	- hydrogen sulfide
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) These are MSS emissions.

Date: February 22, 2013