

Emission Sources - Maximum Allowable Emission Rates

Permit Number 171381

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)
FLARE	Process Flare - Pilot / Purge Gas	VOC	0.75	3.25
		NO _x	0.55	2.38
		CO	4.68	20.39
		SO ₂	0.03	0.13
		H ₂ S	<0.01	<0.01
FLARE	Process Flare - Gas Flaring	VOC	130.79	9.63
		NO _x	109.47	8.7
		CO	938.63	74.63
		SO ₂	2026.88	95.26
		H ₂ S	21.57	1.01
STACK1	Glycol Reboiler	VOC	0.01	0.05
		NO _x	0.21	0.92
		CO	0.18	0.77
		PM	0.02	0.07
		PM ₁₀	0.02	0.07
		PM _{2.5}	0.02	0.07
		SO ₂	0.01	0.01
FUG	Process Fugitives (5)	VOC	1.87	8.19
		H ₂ S	0.12	0.56

(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

H₂S - hydrogen sulfide

SO₂ - sulfur dioxide

PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented

PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented

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PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide

- (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.

Date: October 6, 2023