

Emission Sources - Maximum Allowable Emission Rates

Permit Number 8941

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)
HB002FL	Acid Gas Flare	CO	0.82	3.59
		H ₂ S (5)	2.97	12.76
		NO _x	0.41	1.80
		SO ₂	279.00	1222.00
		VOC	1.05	4.49
HB023ST	Amine Heater	CO	0.30	1.33
		NO _x	0.36	1.59
		PM ₁₀	0.03	0.12
		PM _{2.5}	0.03	0.12
		SO ₂	0.01	0.01
		VOC	0.02	0.09
HB024ST	Regen Gas Heater	CO	0.18	0.79
		NO _x	0.22	0.94
		PM ₁₀	0.02	0.07
		PM _{2.5}	0.02	0.07
		SO ₂	0.01	0.01
		VOC	0.01	0.05
HB002FE	Plant Fugitive Emissions (6)	H ₂ S	0.01	0.01
		VOC	4.09	17.90

(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) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

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
H₂S - hydrogen sulfide

(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.

(5) (5) PSDTX487M1 pollutant

(6) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: December 21, 2016