

Emission Sources - Maximum Allowable Emission Rates

Permit Number 24450

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)
25-6901A	Auxiliary Boiler A (6 MMBtu/hr)	CO	0.49	2.16
		NO _x	0.59	2.58
		PM	0.04	0.20
		PM ₁₀	0.04	0.20
		PM _{2.5}	0.04	0.20
		SO ₂	<0.01	0.02
		VOC	0.03	0.14
25-6901B	Auxiliary Boiler B (6 MMBtu/hr)	CO	0.49	2.16
		NO _x	0.59	2.58
		PM	0.04	0.20
		PM ₁₀	0.04	0.20
		PM _{2.5}	0.04	0.20
		SO ₂	<0.01	0.02
		VOC	0.03	0.14
29-1101	SRU Tail Gas Thermal Oxidizer Stack	CO	2.85	12.49
		COS	0.14	0.63
		CS ₂	0.06	0.27
		H ₂ S	0.38	1.67
		NO _x	1.50	6.57
		PM	0.11	0.49
		PM ₁₀	0.11	0.49
		PM _{2.5}	0.11	0.49
		SO ₂	61.86	270.93
		VOC	0.08	0.35

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33-5801	Amine Tank	VOC	0.12	<0.01
33-9101	Glycol Tank	VOC	<0.01	<0.01
42-6202A	Inlet Gas Compressor 42-6202A (800 HP)	CO	6.00	26.27
		NO _x	6.88	30.13
		PM	0.30	1.32
		PM ₁₀	0.30	1.32
		PM _{2.5}	0.30	1.32
		SO ₂	<0.01	0.02
		VOC	2.14	9.39
		Formaldehyde	0.34	1.51
42-6202B	Inlet Gas Compressor 42-6202B (800 HP)	CO	6.00	26.27
		NO _x	6.88	30.13
		PM	0.30	1.32
		PM ₁₀	0.30	1.32
		PM _{2.5}	0.30	1.32
		SO ₂	<0.01	0.02
		VOC	2.14	9.39
		Formaldehyde	0.34	1.51
42-6202C	Inlet Gas Compressor 42-6202C (800 HP)	CO	6.00	26.27
		NO _x	6.88	30.13
		PM	0.30	1.32
		PM ₁₀	0.30	1.32
		PM _{2.5}	0.30	1.32
		SO ₂	<0.01	0.02
		VOC	2.14	9.39
		Formaldehyde	0.34	1.51
42-6202D	Inlet Gas Compressor 42-6202D (800 HP)	CO	6.00	26.27
		NO _x	6.88	30.13
		PM	0.30	1.32

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		PM ₁₀	0.30	1.32
		PM _{2.5}	0.30	1.32
		SO ₂	<0.01	0.02
		VOC	2.14	9.39
		Formaldehyde	0.34	1.51
FLR2	High-Pressure Flare, Normal Operations: pilot & TEGDHYD waste gas combustion	CO	0.66	2.90
		NO _x	0.09	0.40
		SO ₂	1.18	5.16
		VOC	1.08	4.71
FLR2	High-Pressure Flare, AOS 1 Steam Assisted: pilot & LPFLASH	CO	2.07	9.08
		NO _x	0.28	1.26
		SO ₂	1.06	4.63
		VOC	0.77	3.37
FLR2	High-Pressure Flare, AOS 2 Non-Assisted: pilot & LPFLASH	CO	1.63	7.14
		NO _x	0.82	3.57
		SO ₂	1.06	4.63
		VOC	0.77	3.37
PLANTFUG	Plant Fugitives (5)	COS	0.01	0.01
		CS ₂	0.01	0.01
		H ₂ S	0.50	2.18
		VOC	1.90	8.33
SULFLOAD1	Sulfur Loading	H ₂ S	0.24	0.08

- (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
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
PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
COS - carbonyl sulfide
CS₂ - carbon disulfide
H₂S - hydrogen sulfide

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- (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: September 8, 2017