

Emission Sources - Maximum Allowable Emission Rates

Permit Number 162937

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)
HOH	Heater Cap (HOH1 & HOH2)	NO _x	4.20	14.02
		CO	31.04	46.30
		SO ₂	4.70	15.70
		PM	3.13	10.44
		PM ₁₀	3.13	10.44
		PM _{2.5}	3.13	10.44
		VOC	2.26	7.56
TO	Thermal Oxidizer	NO _x	1.50	4.09
		CO	2.06	5.61
		SO ₂	3.72	13.03
		PM	0.19	0.51
		PM ₁₀	0.19	0.51
		PM _{2.5}	0.19	0.51
		VOC	0.09	0.32
FL	Flare – Routine and MSS	NO _x	124.23	1.97
		CO	248.02	16.87
		SO ₂	53.59	16.30
		VOC	826.96	20.23
CT	Cooling Tower	PM	0.80	3.49
		PM ₁₀	0.44	1.95
		PM _{2.5}	<0.01	0.01
		VOC	2.55	1.12

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TK-1	Alkylate Product Tank A	VOC	1.88	2.48
TK-2	Alkylate Product Tank B	VOC	1.88	2.48
TK-6	Wastewater Tank A	VOC	1.85	0.79
TK-7	Wastewater Tank B	VOC	1.85	0.79
LD-1	Wastewater Loading	VOC	0.21	0.04
LD-2	Spent Acid Loading	VOC	0.04	0.01
FUG	Dimer-Alky Fugitives (5)	VOC	1.59	6.98

- (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
- (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, 2021