

Emission Sources - Maximum Allowable Emission Rates

Permit Number 5953

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)
HTREF2631	Reformer No. 3 Combined Heaters	VOC	1.50	6.58
		NO _x	32.40	141.91
		CO	41.26	99.40
		SO ₂	28.81	78.14
		PM	7.40	32.40
		PM ₁₀	7.40	32.40
		PM _{2.5}	7.40	32.40
VTREF001	Reformer No. 3 Catalyst Regenerator Vent	NO _x	0.01	0.04
		CO	0.37	1.60
		PM	0.04	0.20
		PM ₁₀	0.04	0.20
		PM _{2.5}	0.04	0.20
		HCl	0.09	0.41
		Cl ₂	0.01	0.03
TKTKF342	Tank 342	VOC	2.11	4.24
TKTKF824	Tank 824	VOC	2.23	4.83
FUREF003	Reformer No. 3 Fugitives	VOC (5)	13.22	57.90

(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) 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

HCl - hydrochloric acid

Cl₂ - chlorine

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

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

Date: May 30, 2019