

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 22059

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)
FI-02	Thermal Oxidizer	VOC	1.37	1.30
		NO _x	2.85	5.57
		SO ₂	0.18	0.61
		CO	2.40	4.68
		PM ₁₀	0.22	0.42
L-10	Storage Tank	VOC	0.19	0.01
H-77	Storage Tank	VOC	3.10	0.01
Q-2	Storage Tank	VOC	0.15	0.01
FUG-CARB	Process Fugitives (5)	VOC	1.83	8.02
FUG-PF31	Filter Fugitives (5)	VOC	0.06	0.12
FUG-PF32	Filter Fugitives (5)	VOC	0.06	0.12
FUG-PF33	Filter Fugitives (5)	VOC	0.06	0.12
FUG-PF34	Filter Fugitives (5)	VOC	0.06	0.12
FL-177	Standby Flare (6) Service when EPN FI-01 or EPN FI-02 is not in operation (720 hours per rolling 12 months)	NO _x	6.98	2.03
		CO	18.13	4.06
		SO ₂	13.05	6.31
		VOC	24.86	1.78
		H ₂ S	0.19	0.07

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FL-177	High pressure line clearing MSS activities	NO _x	0.32	0.18
		CO	2.75	1.50
		SO ₂	0.01	0.01
		VOC	0.03	0.01
S-33	Water Scrubber	HCl	0.01	0.02
		VOC	0.01	0.01
12889-SDC	Fugitive Emissions (5)	VOC	1.00	4.37
MSS-177CRB	Planned Maintenance	VOC	3.51	0.07
		HCl	0.01	0.01

- (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
H₂S - hydrogen sulfide
HCl - hydrogen chloride
- (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.
- (6) Process emissions from the T-55 Process Area, authorized under Permit Number 21715, will be vented to Emergency Flare (Emission Point No. [EPN] FL-177) in the event that the Fume Incinerator (EPN FI-01), authorized under Permit Number 21715 (EPN FI-01), is not operational.

Date: _____