

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. 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 *	
			lb/hr	TPY**
FI-02	Thermal Oxidizer	VOC	0.74	1.03
		NO _x	0.24	1.03
		SO ₂	0.45	1.97
		CO	0.20	0.87
		PM	0.02	0.08
L-10	Storage Tank	VOC	0.19	0.01
H-77	Storage Tank	VOC	3.10	0.01
DP-5	Storage Tank	VOC	0.23	0.08
Q-2	Storage Tank	VOC	0.15	0.01
FUG-CARB	Process Fugitives (4)	VOC	1.83	8.02
FUG-PF31	Filter Fugitives (4)	VOC	0.06	0.12
FUG-PF32	Filter Fugitives (4)	VOC	0.06	0.12
FUG-PF33	Filter Fugitives (4)	VOC	0.06	0.12
FUG-PF34	Filter Fugitives (4)	VOC	0.06	0.12
FL-177	Emergency Flare (5)	NO _x	0.02	0.11
		CO	0.02	0.09
		SO ₂	0.001	0.001
		VOC	0.001	0.01
	Start-Up, Shutdown, and	NO _x	2.88	1.13

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
SCL-3	Maintenance Emissions 720 hours per rolling 12-month basis	CO	5.72	2.14
		VOC	9.28	3.35
		SO ₂	18.07	6.51
		H ₂ S	0.07	
		H ₂ S	0.06	0.26
S-32	Caustic Scrubber	SCl ₂	0.01	0.02
S-33	Water Scrubber	HCl 0.01	0.02	
		VOC 0.01	0.01	
12889-SDC	Fugitive Emissions (4)	SCl ₂	0.01	0.05
		VOC 1.00	4.37	

- (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
 CO - carbon monoxide
 PM - particulate matter, suspended in the atmosphere, including PM₁₀
 PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
- H₂S - hydrogen sulfide
 HCl - hydrogen chloride
 SCl₂ - sulfur dichloride
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) 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, is not operational.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

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			<u>lb/hr</u>	<u>TPY**</u>

Hrs/day ____ Days/week ____ Weeks/year ____ or Hrs/year 8,760

** Compliance with annual emission limits is based on a rolling 12-month period.

Dated_____