

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 22105

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**
69A	Turbine A	CO	5.40	22.35
		NO _x	4.43	18.36
		PM ₁₀	0.29	1.22
		SO ₂	0.08	0.30
		VOC	0.15	0.64
69B	Turbine A	CO	5.40	22.35
		NO _x	4.43	18.36
		PM ₁₀	0.29	1.22
		SO ₂	0.08	0.30
		VOC	0.15	0.64
C69	Cooling Tower	VOC	0.42	1.83
T69B	T-702 Storage Tank	VOC	0.01	0.01
T69C	T-703 Storage Tank	VOC	0.05	0.01
T69D	T-704 Storage Tank	VOC	0.18	0.01
45	Plant Flare (5) Start-up, Shutdown, and Maintenance Emissions Only	CO	5.86	0.03
		NO _x	1.47	0.01
		SO ₂	0.01	0.01
		VOC	9.07	0.05
	Flare (5) Pilot Fuel Only and Normal Process Operations	CO	7.47	0.44
		NO _x	3.74	0.22
		SO ₂	0.01	0.01
		VOC	25.50	1.51
	Process Fugitives (4)	VOC	0.50	2.21

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- (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) CO - carbon monoxide
NO_x - total oxides of nitrogen
PM₁₀ - particulate matter (PM) 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

SO₂ - sulfur dioxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) This flare handles emissions from other sites at the plant. Emissions shown are from this fractionator unit only.

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

Hrs/day 24 Days/week 7 Weeks/year 52

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

Dated November 10, 2004