

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 86757

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**
E-MC-24-25	Marine Vapor Combustors 24 and 25	NO _x	3.30	0.37
		CO	23.83	2.65
		PM ₁₀	0.44	0.05
		SO ₂	1.68	0.09
		VOC	34.95	2.82
T-BZ-1	Heartcut Naphtha Tank	VOC	0.33	1.44
T-BZ-2	Heartcut Naphtha Tank	VOC	0.33	1.44
T-NAP-1	Hydrocracked Naptha Import	VOC	1.14	1.60
T-NAP-2	Hydrocracked Naptha Import	VOC	1.14	1.60
E-18-FLARE	Flare - Normal Operations	NO _x	0.01	0.06
		CO	0.10	0.46
		SO ₂	0.01	0.02
		VOC	0.09	0.41
	Flare - Startup, Shutdown, and Maintenance	NO _x	0.68	0.01
		CO	4.91	0.02
		VOC	28.44	0.06

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
MSS-TANKS	MSS Tank Emissions	NO _x	1.90	0.04
		CO	13.72	0.15
		PM ₁₀	0.25	0.01
		SO ₂	2.15	0.01
		VOC	557.40	1.69
MSS-PROCESS	MSS Process Clearing Emissions	VOC	149.54	0.06
P-FUG	Fugitives (4)	VOC	1.17	5.13

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an 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
- PM₁₀ - particulate matter equal to or less than 10 microns in diameter
- CO - carbon monoxide
- (4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.

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

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

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

Dated April 27, 2010