

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 20156

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 *	Source	Air Contaminant	Emission Rates	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
222	Heater 19-H-1	VOC	0.05	0.21
		NO _x	0.90	3.94
		CO	0.18	0.79
		PM	0.05	0.20
		SO ₂	0.01	0.02
223	Heater 19-H-2	VOC	0.02	0.08
		NO _x	0.35	1.53
		CO	0.07	0.31
		PM	0.02	0.08
		SO ₂	<0.01	0.01
757	Tank 33	Benzene	0.68	0.48
758	Tank 34	Benzene	0.68	0.48
776	Tank 91	VOC	0.250	0.42
777	Tank 92	VOC	0.250	0.42
778	Tank 93	VOC	0.250	0.42
720	Tank 1042	VOC	0.402	0.60
F221	Fugitive (4)	VOC	4.45	19.49
		Benzene	0.08	0.35
VC447 VC448 VC449	Marine Emission Control (5)	Cyclohexane	29.86	1.31

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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) VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1. Benzene emissions are included in VOC emissions.
 - NO_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - 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.
 - CO - carbon monoxide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate. Includes 75 percent flange emission reduction factor for annual HON monitoring.
- (5) Total emissions from VC447, VC448, or VC449 shall not exceed maximum allowable emission rates table.
 - * 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

Dated_____