

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 2925

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**
TF-01	Step I-Flare Stack	VOC	3.90	11.10
		NO _x	0.59	1.78
		CO	3.01	9.05
		SO ₂	0.03	0.13
TF-02	Topping Column Vent	VOC	0.04	0.15
TF-05	Hydrogenation and Step II Degasser Vent	VOC	2.90	3.41
TF-07	Concentrator Column Vent	VOC	0.30	1.30
TF-08	Reactor/Refining Train Vent	VOC	0.28	1.22
		CO	1.01	4.40
TF-09	THF Tank Farm Vent	VOC	12.05	3.73
TF-11	Crude BYD Storage Tank	VOC	3.38	1.22
TF-15	24-hour Tank	VOC	14.80	0.23
TF-21	Hold Tank Vent	VOC	2.15	0.68
TF-22	Refined BYD Storage Tank	VOC	0.32	0.14
TF-23	Crude and Concentrated BDO	VOC	0.60	0.44
TF-25	BDO Refining Vent	VOC	0.05	0.22
TF-26	Fugitives (4)	VOC	1.63	7.15

EMISSIONS FROM SOURCE SUMMATION ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates*	
			lb/hr	TPY**
TF-26L	Loading	VOC	15.27	5.84
TF-27	Wastewater Ponds	VOC	4.49	19.66
TF-28	THF Tank	VOC	0.16	0.98
TF-29	Cooling Tower	VOC	0.63	2.76
		PM ₁₀	1.15	5.02
TF-30	Tank TF-30T	VOC	0.27	0.10
TF-33	BYD, BDO Loading	VOC	0.01	0.01
TF-51	Intermediates Storage No. 1	VOC	0.08	0.01
TF-52	Intermediates Storage No. 2	VOC	0.08	0.01
TF-53	Intermediates Storage No. 3	VOC	0.08	0.01
TF-54	Intermediates Storage No. 4	VOC	0.08	0.01

(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

CO - carbon monoxide

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.

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(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.

Date February 8, 2008