

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 18576

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**
IRUFUG	IRU Fugitives (4)	VOC	7.48	32.77
NTFFUG	North Tank Farm Fugitives (4)	VOC	0.21	0.94
SITE3FE	Site III Fugitives (4)	VOC	4.87	21.32
A1301	A and S Flare (5)	VOC	51.88	11.23
		NO <sub>x</sub>	8.65	23.89
		CO	17.58	5.52
		SO <sub>2</sub>	3.42	14.98
TBD101	Tank T-BD-101	VOC	<0.01	<0.01
TBD102	Tank T-BD-102	VOC	<0.01	<0.01
TBD301	Tank T-BD-301	VOC	0.20	0.20
TBD910	Tank T-BD-910	VOC	0.20	0.20

- (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<sub>x</sub> - total oxides of nitrogen  
CO - carbon monoxide  
SO<sub>2</sub> - sulfur dioxide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Emissions for this flare include emissions from these sources: hydrogen from H-Plant and

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M-Plant, propylene from Site-III propylene loading, and isoprene from crude isoprene railcar unloading.

\* 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 July 9, 2004