

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 3639 and PSD-TX-118M4

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 **
246	Large Flare	VOC	79.53	87.95
		NO <sub>x</sub>	6.93	8.72
		CO	35.34	44.44
246	Large Flare Startup, Shutdown, and Maintenance	VOC	107.89	1.22
		NO <sub>x</sub>	11.10	0.12
		CO	56.57	0.58
441	Mark IV Catalyst Feeder Vent	PM	0.04	0.02
		VOC	0.03	
347	Unit Analyzer Vents	VOC	0.11	0.46
351	Compressor Seal Oil Degassing Reservoir	VOC	0.2	0.86
766-5	Fugitives (4) (5)	VOC	4.5	19.72
191 to 206	Unit Make Bins	PM	0.13	0.35
		VOC	9.90	34.35
1043	Sample Purger	VOC	0.14	0.41
1079	Catalyst Wash Pot No. 1	VOC	5.87	0.85
1080	Catalyst Wash Pot No. 2	VOC	5.87	0.85
1162	Portable Mineral Oil Pot Vent	VOC	0.10	0.01
1178	Seed Bed Vent	PM	3.33	0.26
1223	Cycle Gas Line Fugitives (4) (5)	VOC	0.01	0.06

- (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 Title 30 Texas Administrative Code § 101.1  
NO<sub>x</sub> - total oxides of nitrogen  
CO - carbon monoxide  
PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>  
PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) 1.52 tpy of VOC emissions are authorized via Permit by Rule (PBR) Registration Numbers 32964, 31855, and 42305. These PBRs have not been voided.

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

Hrs/day\_\_\_\_\_ Days/week\_\_\_\_\_ Weeks/year\_\_\_\_\_or Hrs/year 8,760

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

Dated May 15, 2006