

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 2347

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 **
51DHT1H-1	805 Charge Heater	NO <sub>x</sub>	2.52	8.14
		CO	4.46	14.41
		PM <sub>10</sub>	0.47	1.52
		VOC	0.33	1.07
		SO <sub>2</sub>	1.67	2.18
51DHT1H-3	805 Reboiler	NO <sub>x</sub>	1.60	5.59
		CO	3.23	11.32
		PM <sub>10</sub>	0.34	1.19
		VOC	0.24	0.84
		SO <sub>2</sub>	1.20	1.72
52DHT2H-1	MHC H-1 Heater	NO <sub>x</sub>	2.03	7.12
		CO	4.11	14.41
		PM <sub>10</sub>	0.43	1.52
		VOC	0.31	1.07
		SO <sub>2</sub>	1.53	2.18
52DHT2H-2A/B	MHC H-2 Heater	NO <sub>x</sub>	2.30	8.07
		CO	4.66	16.33
		PM <sub>10</sub>	0.49	1.72
		VOC	0.35	1.21
		SO <sub>2</sub>	1.74	2.48
51DHT1FUGS	DHT-1 Unit Fugitives (4)	VOC	3.31	14.50
		H <sub>2</sub> S	0.05	0.21
52DHT2FUGS	DHT-2 Unit Fugitives (4)	VOC	4.39	19.22
		H <sub>2</sub> S	0.01	0.06

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY **
51DHT1SUMP	DHT-1 Amine Sump	H <sub>2</sub> S	0.01	0.01
52DHT2SUMP	DHT-2 Amine Sump	H <sub>2</sub> S	0.01	0.01

- (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) NO<sub>x</sub> - total oxides of nitrogen  
CO - carbon monoxide  
PM<sub>10</sub> - particulate matter (PM) 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.  
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
SO<sub>2</sub> - sulfur dioxide  
H<sub>2</sub>S - hydrogen
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

\* 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 July 20, 2006