

# 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	3.05	13.37
		H <sub>2</sub> S	0.17	0.75
52DHT2FUGS	DHT-2 Unit Fugitives (4)	VOC	4.19	18.36
		H <sub>2</sub> S	0.15	0.66

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			lb/hr	TPY **
51DHT1SUMP	DHT-1 Amine Sump	H <sub>2</sub> S	0.001	0.0001
52DHT2SUMP	DHT-2 Amine Sump	H <sub>2</sub> S	0.001	0.0001

(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

SO<sub>2</sub> - sulfur dioxide

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 particulate matter greater than 10 microns is emitted.

CO - carbon monoxide

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 a maximum operating schedule of 8,760 hours per year.

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

Dated March 29, 2004