

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 2691

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	Source	Air Contaminant	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY **
149FN1	DPG Reformer	CO	0.49	1.39
		NO <sub>x</sub>	195.89	772.95
		PM <sub>10</sub>	4.78	14.53
		SO <sub>2</sub>	0.01	0.01
		VOC	3.46	10.53
	DPG Reformer (5)	CO	0.32	0.91
		NO <sub>x</sub>	93.13	326.32
		PM <sub>10</sub>	3.09	10.82
		SO <sub>2</sub>	0.01	0.01
		VOC	2.23	7.83
149FL1	Flare	CO	0.30	1.31
		NO <sub>x</sub>	0.06	0.25
		SO <sub>2</sub>	0.01	0.01
		VOC	0.26	0.87
149V323	Storage Tank	VOC	0.10	0.45
149V386	Storage Tank	VOC	0.17	0.70
149V389	Storage Tank	VOC	0.21	0.60
149V774	Storage Tank	VOC	0.16	0.55
149V1365	Guard Bed	H <sub>2</sub> S	1.36	0.07
149V1366	Guard Bed	H <sub>2</sub> S	1.36	0.07
149V2350	Guard Bed	H <sub>2</sub> S	1.96	0.19

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY **
149V2351	Guard Bed	H <sub>2</sub> S	1.96	0.19
149V2455	Storage Tank	VOC	0.15	0.60
149V2458	Storage Tank	VOC	0.21	0.60
149V2475	Storage Tank	VOC	0.15	0.64
259CT101	Cooling Tower	VOC	2.10	9.20
FUGITIVE	Process Fugitives (4)	CO	0.83	3.62
		VOC	0.21	0.92

(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) CO - carbon monoxide

H<sub>2</sub>S - hydrogen sulfide

NO<sub>x</sub> - total oxides of nitrogen

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.

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

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

(5) Only operating without the production of methanol.

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

Hrs/day 24 Days/week 7 Weeks/year 52

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

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Emission	Source	Air Contaminant	<u>Emission Rates *</u>	
Point No. (1)	Name (2)	Name (3)	<u>lb/hr</u>	<u>TPY **</u>

Dated February 24, 2006