

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 33486 and PSDTX872

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. **(4/08)**

### AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY **
INCVENT-1	SRU Incinerator Stack	VOC	0.16	0.69
		NO <sub>x</sub>	4.50	19.69
		CO	11.62	50.89
		SO <sub>2</sub>	26.29	115.15
		COS	0.01	0.04
		H <sub>2</sub> S	0.09	0.41
		CS <sub>2</sub>	0.01	0.01
		PM <sub>10</sub>	0.77	3.37
FLARE-1	Process Gas Flare	VOC	0.77	3.38
		NO <sub>x</sub>	0.15	0.67
		CO	0.30	1.33
		SO <sub>2</sub>	0.01	0.01
TEGSTK-1A, 2A, and 3A	Glycol Heater No. 1	VOC	0.03	0.14
		NO <sub>x</sub>	0.59	2.58
		CO	0.49	2.16
		SO <sub>2</sub>	0.01	0.02
		PM <sub>10</sub>	0.04	0.20
TEGSTK-1B	Glycol Heater No. 2	VOC	0.01	0.05
		NO <sub>x</sub>	0.22	0.98
		CO	0.19	0.82
		SO <sub>2</sub>	0.01	0.01
		PM <sub>10</sub>	0.02	0.07
AMSTK-1A	Amine Heater No. 1A	VOC	0.10	0.44
		NO <sub>x</sub>	1.18	7.94
		CO	1.52	6.67
		SO <sub>2</sub>	0.01	0.05
		PM <sub>10</sub>	0.14	0.60
AMSTK-2A	Amine Heater No. 2A	VOC	0.10	0.44

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			lb/hr	TPY **
		NO <sub>x</sub>	1.18	7.94
		CO	1.52	6.67
		SO <sub>2</sub>	0.01	0.05
		PM <sub>10</sub>	0.14	0.60
AMSTK-3A	Amine Heater No. 3A	VOC	0.10	0.44
		NO <sub>x</sub>	1.18	7.94
		CO	1.52	6.67
		SO <sub>2</sub>	0.01	0.05
		PM <sub>10</sub>	0.14	0.60
AUXSTK-1	Auxiliary Boiler No. 1	VOC	0.20	0.87
		NO <sub>x</sub>	3.63	15.89
		CO	3.06	13.38
		SO <sub>2</sub>	0.02	0.10
		PM <sub>10</sub>	0.28	1.21
GENSTK-1B	Electric Generator Engine No. 1B	VOC	0.98	4.28
		NO <sub>x</sub>	1.63	7.14
		CO	9.78	42.85
		SO <sub>2</sub>	0.01	0.03
		PM <sub>10</sub>	0.11	0.48
GENSTK-2	Electric Generator Engine No. 2	VOC	0.05	0.23
		NO <sub>x</sub>	4.02	17.59
		CO	8.03	35.17
		SO <sub>2</sub>	0.01	0.02
		PM <sub>10</sub>	0.09	0.41
GENSTK-3	Electric Generator Engine No. 3	VOC	0.05	0.23
		NO <sub>x</sub>	4.02	17.59
		CO	8.03	35.17
		SO <sub>2</sub>	0.01	0.02
		PM <sub>10</sub>	0.09	0.41
GENSTK-4B	Electric Generator Engine No. 4B	VOC	0.98	4.28
		NO <sub>x</sub>	1.63	7.14
		CO	9.78	42.85
		SO <sub>2</sub>	0.01	0.03
		PM <sub>10</sub>	0.11	0.48
EPTANK-2	Amine Tank	VOC	0.02	0.01

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			Emission Rates *	
			lb/hr	TPY **
EPTANK-3	Glycol Tank	VOC	0.01	0.01
EPTANK-4	Engine Oil Tank	VOC	0.01	0.01
EPTANK-5	Engine Antifreeze Tank	VOC	0.02	0.01
TRUCKFUG-1	Sulfur Truck Loading (4)	H <sub>2</sub> S	0.06	0.26
		SO <sub>2</sub>	0.02	0.08
FACFUG	Facility Fugitive Emissions (4)	VOC	0.36	1.56
		H <sub>2</sub> S	0.02	0.07

(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

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 PM greater than 10 microns is emitted.

CO - carbon monoxide

COS - carbonyl sulfide

CS<sub>2</sub> - carbon disulfide

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

(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 8,760 Hrs/year

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

Date: October 28, 2009