

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 25875

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)	<u>Emission Rates *</u>	
			lb/hr	TPY**
TRB-4	Turbine - Centaur 4 – 4,700 HP (with Waste Heat Recovery)	NO <sub>x</sub>	7.07	30.98
		CO	5.13	22.45
		VOC	0.88	3.86
		SO <sub>2</sub>	0.67	2.93
		PM	0.3	1.31
TRB-8	Turbine - Solar Saturn C - 1,200 HP (with Waste Heat Recovery)	NO <sub>x</sub>	3.96	17.34
		CO	6.17	27.01
		VOC	0.23	1.01
		SO <sub>2</sub>	0.21	0.92
		PM	0.07	0.3
H-1	Hot Oil Heater	NO <sub>x</sub>	0.39	1.71
		CO	0.33	1.45
		VOC	0.02	0.09
		SO <sub>2</sub>	<0.01	<0.01
		PM/PM <sub>10</sub> /PM <sub>2.5</sub>	0.03	0.13
H-3	Hot Oil Heater	NO <sub>x</sub>	0.26	1.14
		CO	0.19	0.83
		VOC	0.32	1.40
		SO <sub>2</sub>	<0.01	0.01
		PM/PM <sub>10</sub> /PM <sub>2.5</sub>	0.05	0.22
FUG-1	Process Fugitives	VOC (4)	1.36	5.97
TK-1	Product Tank	VOC (5)	0.29	0.61
LOAD-1	Condensate Truck Loading	VOC	0.59	0.25

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FL-2	Emergency Flare	NO <sub>x</sub>	0.07	0.06
		CO	0.16	0.12
		VOC	0.89	0.39
		SO <sub>2</sub>	<0.01	<0.01
TK-15	Wastewater Tank	VOC	0.95	0.01
SITE-WIDE	All Sources at Site	Individual HAP	-	<10.00
		Combined HAPs	-	<25.00

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.

(2) Specific point source names. For fugitive sources, use an area name or fugitive source name.

(3) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.

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 - particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>

PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter

PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter

CO - carbon monoxide

HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C

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

(5) Emission Point No. TK-1 and the associated allowable emissions will no longer be applicable once the internal floating roof tank is removed from the site and replaced with a bullet tank with pressure relief venting re-routed back into the process.

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

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

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

Dated February 14, 2011