

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 34137

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	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
G-1	Standby Generator	NO <sub>x</sub>	18.78	7.97
		CO	18.78	7.97
		PM/PM <sub>10</sub>	0.08	0.03
		VOC	0.16	0.07
		SO <sub>2</sub>	0.09	0.04
GR-1	Glycol Reboiler No. 1	NO <sub>x</sub>	0.23	0.99
		CO	0.05	0.21
		PM/PM <sub>10</sub>	0.03	0.12
		VOC	0.01	0.05
		SO <sub>2</sub>	0.03	0.13
GR-2	Glycol Reboiler No. 2	NO <sub>x</sub>	0.15	0.66
		CO	0.03	0.14
		PM/PM <sub>10</sub>	0.02	0.08
		VOC	0.01	0.03
		SO <sub>2</sub>	0.02	0.09
GR-2C	R-BTEX Reboiler Nos. 1 and 2		VOC	0.06
	0.25 Cooling Tower Vent			
GR-3	Glycol Reboiler No. 3	NO <sub>x</sub>	0.23	0.99
		CO	0.05	0.21
		PM/PM <sub>10</sub>	0.03	0.12
		VOC	0.01	0.05
		SO <sub>2</sub>	0.03	0.13
GR-4	Glycol Reboiler No. 4	NO <sub>x</sub>	0.23	0.99

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
		CO	0.05	0.21
		PM/PM <sub>10</sub>	0.03	0.12
		VOC	0.01	0.05
		SO <sub>2</sub>	0.03	0.13
GR-5	Glycol Reboiler No. 5	NO <sub>x</sub>	0.23	0.99
		CO	0.05	0.21
		PM/PM <sub>10</sub>	0.03	0.12
		VOC	0.01	0.05
		SO <sub>2</sub>	0.03	0.13
GR-6	Glycol Reboiler No. 6	NO <sub>x</sub>	0.23	0.99
		CO	0.05	0.21
		PM/PM <sub>10</sub>	0.03	0.12
		VOC	0.01	0.05
		SO <sub>2</sub>	0.03	0.13
GR-7	Glycol Reboiler No. 7	NO <sub>x</sub>	0.15	0.66
		CO	0.03	0.14
		PM/PM <sub>10</sub>	0.02	0.08
		VOC	0.01	0.03
		SO <sub>2</sub>	0.02	0.09
T-09	Tank 9 - Slop Oil/Water <0.01		VOC	<0.01
T-10	Tank 10 - Slop Oil/Water <0.01		VOC	<0.01
T-11	Tank 11 - Condensate	VOC	0.57	2.50
T-16	Tank 16 - TEG	VOC	<0.01	<0.01
T-17	Tank 17 - Ambitrol	VOC	<0.01	<0.01

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
T-18	Tank 18 - Lube Oil for C-5, C-6, and G-1	VOC	<0.01	<0.01
T-25	Sump for R-BTEX Condenser Liquid	VOC	<0.01	<0.01

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
T-26	Sump for C.O.M.M. Condenser Liquid	VOC	<0.01	<0.01
T-29	Sump for C-5, 6, 7, 8, and G-1 Lube Oil	VOC	<0.01	<0.01
T-30	Tank 30 - Diesel	VOC	<0.01	<0.01
L-3	Loading - Condensate (T-01 - T-08)	VOC	20.71	6.35
L-4	Loading - Slop Oil and Condensate (T9 - T11)	VOC	20.71	0.15
FL-1	Flare	VOC	1.61	7.06
		NO <sub>x</sub>	0.71	3.10
		CO	1.41	6.18
FUG	Fugitives (Withdrawal Operations)	VOC (4)	2.26	9.91

(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 - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>.

PM<sub>10</sub> - particulate matter 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.

VOC - volatile organic compounds as defined in General Rule 101.1

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

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(4) Fugitive emissions are an estimate only.

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\* 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

Dated \_\_\_\_\_