

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 3549B

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
Stack-1	DEA Reboiler	PM <sub>10</sub>	0.09	0.37
		VOC	<0.01	<0.01
		NO <sub>x</sub>	0.71	3.09
		SO <sub>2</sub>	421.63	1846.00
		CO	0.15	0.65
FL-1	Tank Vent Flare	VOC	<0.01	<0.01
		NO <sub>x</sub>	<0.01	<0.01
		SO <sub>2</sub>	<0.01	<0.01
		CO	<0.01	0.03
FL-2	Main flare	VOC	<0.01	0.01
		NO <sub>x</sub>	<0.01	0.03
		SO <sub>2</sub>	<0.01	<0.01
		CO	0.06	0.27
Stack-4	MS-Heater	PM <sub>10</sub>	0.11	0.47
		VOC	<0.01	<0.01
		NO <sub>x</sub>	0.89	3.89
		CO	0.19	0.82
Stack-2	TEG Reboiler	PM <sub>10</sub>	0.02	0.10
		VOC	<0.01	<0.01
		NO <sub>x</sub>	0.18	0.79
		CO	0.04	0.17
Stack-3	TEG Reboiler	PM <sub>10</sub>	0.02	0.10
		VOC	<0.01	<0.01
		NO <sub>x</sub>	0.18	0.79
		CO	0.04	0.17
Still-1	TEG Still (5)	Benzene	1.99	8.71

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TK-2	Salt H <sub>2</sub> O Tank No. 1	Other VOCs	22.05	96.57
		VOC	0.27	<0.01
		H <sub>2</sub> S	0.04	<0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
TK-3	Salt H <sub>2</sub> O Tank No. 2	VOC	0.27	<0.01
		H <sub>2</sub> S	0.04	<0.01
F-DEA-PLT	Fugitives (4)	VOC	0.02	0.09
		H <sub>2</sub> S	<0.01	0.02
F-TEG-PLT	Fugitives (4)	VOC	0.04	0.18
F-MS-PLT	Fugitives (4)	VOC	0.02	0.09
		H <sub>2</sub> S	<0.01	<0.01
F-Regen	Fugitives (4)	VOC	0.01	0.05
		H <sub>2</sub> S	<0.01	<0.01
F-Inlet-PLT	Fugitives (4)	VOC	<0.01	<0.01
		H <sub>2</sub> S	<0.01	<0.01
F-Outlet-PLT	Fugitives (4)	VOC	<0.01	0.03
F-TK-PLT	Fugitives (4)	VOC	<0.01	<0.01
		H <sub>2</sub> S	<0.01	<0.01
TK-4	DEA Storage Tank	VOC	0.25	<0.01

- (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) PM<sub>10</sub> - particulate matter less than 10 microns in diameter  
VOC - volatile organic compounds as defined in General Rule 101.1  
NO<sub>x</sub> - total oxides of nitrogen  
SO<sub>2</sub> - sulfur dioxide  
CO - carbon monoxide  
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.
- (5) Current benzene and VOC emissions prior to the implementation of Special Provision No. 4.

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

Hrs/day\_\_\_\_Days/week\_\_\_\_Weeks/year\_\_\_\_or Hrs/year 8,760

Dated\_\_\_\_\_