

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 16842

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) ton/yr**	Source Name (2)	Air Contaminant Name (3)	Emission Rates*	
				lb/hr
12	Auxiliary Heater	NO <sub>x</sub>	2.4	10.51
		CO	1.81	7.94
		VOC	0.12	0.52
		SO <sub>2</sub>	0.01	0.06
		PM	0.16	0.72
14	0.68 MMBtu/hr TEG Regenerator	NO <sub>x</sub>	0.07	0.32
		CO	0.06	0.27
		VOC	0.01	0.02
		SO <sub>2</sub>	0.01	0.01
		PM	0.01	0.02
HE1	1.5 MMBtu/hr TEG Regenerator	NO <sub>x</sub>	0.16	0.71
		CO	0.14	0.60
		VOC	0.01	0.04
		SO <sub>2</sub>	0.01	0.01
		PM	0.01	0.05
HE3	48 MMbtu/hr Heater	NO <sub>x</sub>	5.76	25.23
		CO	4.35	19.05
		VOC	0.28	1.25
		SO <sub>2</sub>	0.03	0.14
		PM	0.39	1.72
HE4	48 MMbtu/hr Heater	NO <sub>x</sub>	5.76	25.23
		CO	4.35	19.05
		VOC	0.28	1.25
		SO <sub>2</sub>	0.03	0.14
		PM	0.39	1.72

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<u>Emission Rates*</u>	<u>Source</u>	<u>Air Contaminant</u>	<u>Emission</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>ton/yr**</u>
HE5	3.93 MMBtu/hr Fired Heater	NO <sub>x</sub>	0.42	1.86
		CO	0.36	1.56
		VOC	0.02	0.10
		SO <sub>2</sub>	0.01	0.01
		PM	0.03	0.14
FE1	Process/Emergency Flare	NO <sub>x</sub>	0.02	0.10
		CO	0.19	0.83
		VOC	0.01	0.04
		SO <sub>2</sub>	0.04	0.18
FE2	Process/Emergency Flare	NO <sub>x</sub>	0.02	0.10
		CO	0.19	0.83
		VOC	0.01	0.04
		SO <sub>2</sub>	0.04	0.18
FUGP	Process Fugitives (4)	VOC	5.92	25.94
		H <sub>2</sub> S	0.16	0.29

- (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> - nitrogen oxides  
CO - carbon monoxide  
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
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.  
  
SO<sub>2</sub> - sulfur dioxide  
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.

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

\* 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.

Dated\_\_\_\_\_