

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 2466

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. **(2/06)**

### AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
E10C021	Steam Superheater	VOC	0.05	0.22
		NO <sub>x</sub>	2.01	8.80
		SO <sub>2</sub>	0.00	0.00
		PM	0.08	0.36
		CO	0.02	0.09
E10N002	Catalytic Incinerator	VOC	0.01	0.03
		NO <sub>x</sub>	0.19	0.85
		SO <sub>2</sub>	0.00	0.00
		PM	0.01	0.04
		CO	4.23	18.52
*E10C060	Syn Gas Flare - Flared Process Emission (Flash Gas)	CO	0.06	0.30
	Syn Gas Flare - Flared Start-up Emission	NO <sub>x</sub>	16.72	0.28
		CO	210.78	2.65
	K-Gas Compressors Maintenance Emissions	CO	63.43	6.09
		NO <sub>x</sub>	9.93	0.95

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates **</u>	
			<u>lb/hr</u>	<u>TPY</u>
E10C062	Start-up Flare "A"	CO	21.08	0.08
		NO <sub>x</sub>	1.67	0.01
E10C063	Start-up Flare "B"	CO	21.08	0.08
		NO <sub>x</sub>	1.67	0.01
F10C001	Syn Gas Fugitives (4)	VOC	0.61	2.57
		CO	63.95	
F10N001-01	Catalytic Incinerators Fugitives (4)	CO	0.01	0.05
F10C005	MEA System Fugitives (4)	VOC	2.28	9.99
E10C100	Nalco Tank 1824	VOC	0.01	0.01
E10C101	Nalco Tank 22131	VOC	0.01	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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
 SO<sub>2</sub> - sulfur dioxide  
 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.
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

\* The emissions are based on the contributions from the Syn Gas Unit to the Syn Gas Flare.

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

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

Hrs/day \_\_\_\_ Days/week \_\_\_\_ Weeks/year \_\_\_\_ or Hrs/year 8,760

Dated April 13, 2006