

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 24466

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		Air Contaminant		<u>Emission Rates *</u>	
	Name (2)	Name (3)	lb/hr	TPY		
E-1	Comp. Engine No. 1 (5)			VOC	1.10	4.83
				NO <sub>x</sub>	8.82	38.63
				CO	11.03	48.29
				PM	0.01	0.06
				SO <sub>2</sub>	<0.01	0.03
E-2	Comp. Engine No. 2 (5)			VOC	1.10	4.83
				NO <sub>x</sub>	8.82	38.63
				CO	11.03	48.29
				PM	0.01	0.06
				SO <sub>2</sub>	<0.01	0.03
E-3	Comp. Engine No. 3			VOC	1.46	6.40
				NO <sub>x</sub>	11.69	51.19
				CO	14.61	63.98
				PM	0.02	0.08
				SO <sub>2</sub>	<0.01	0.03
E-4	Comp. Engine No. 4			VOC	1.46	6.40
				NO <sub>x</sub>	11.69	51.19
				CO	14.61	63.98
				PM	0.02	0.08
				SO <sub>2</sub>	<0.01	0.03
HTR-1	Heater (5)			VOC	0.04	0.16
				NO <sub>x</sub>	0.97	4.25
				CO	0.20	0.89
				PM	0.12	0.51
				SO <sub>2</sub>	<0.01	<0.01
H-701	Regen. Heater			VOC	0.02	0.11

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

NO <sub>x</sub>	0.15	0.65
CO	0.05	0.22
PM	0.03	0.14

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES  
AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
H-711	Glycol Heater	VOC	<0.01	0.01
		NO <sub>x</sub>	0.01	0.05
		CO	<0.01	0.02
		PM	<0.01	0.01
		SO <sub>2</sub>	<0.01	<0.01
H-721	HMO Heater	VOC	0.08	0.36
		NO <sub>x</sub>	0.49	2.13
		CO	0.16	0.71
		PM	0.11	0.46
		SO <sub>2</sub>	<0.01	<0.01
TANK	Condensate Tank (5)	VOC	19.43	0.058
LOAD	Truck Loading (5)	VOC	30.60	0.39
FLARE	Plant Flare (5)	VOC	62.41	0.38
		NO <sub>x</sub>	0.41	0.15
		CO	0.83	0.29
		SO <sub>2</sub>	<0.01	<0.01
FLARE-2	Plant Flare	VOC	62.41	0.38
		NO <sub>x</sub>	0.41	0.16
		CO	0.83	0.29
		SO <sub>2</sub>	<0.01	<0.01
F-2	Fugitives (4)(5)	VOC	1.61	6.32
DEA-1	DEA Regenerator (5)	H <sub>2</sub> S	2.88	7.88

- (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 - particulate matter

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) Previously covered by standard exemption; F-2 fugitives partially covered by standard exemption.

\* 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\_\_\_\_\_

