

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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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
S-1	SRU Stack	SO2	186.4	816.4
		H2S	<0.1	<0.1
		NOx	<0.1	<0.1
		PM	<0.1	<0.1
		CO	<0.1	<0.1
		VOC	<0.1	<0.1
C-1	Recompression Engines	NOx	175.0	766.5
		CO	17.5	76.6
		PM	<0.1	<0.1
		VOC	<0.1	<0.1
		SO2	<0.1	<0.1
H-1	Old Heater Stack	NOx	1.9	8.4
		CO	0.2	0.8
		PM	0.1	0.5
		VOC	<0.1	<0.1
		SO2	<0.1	<0.1
H-2	Amine Heater Stack	NOx	5.2	23.0
		CO	0.5	2.2
		PM	0.3	1.3
		VOC	<0.1	<0.1
		SO2	<0.1	<0.1
H-88	GRU Stack	NOx	0.3	1.4
		CO	<0.1	0.1
		PM	<0.1	<0.1
		VOC	<0.1	<0.1
		SO2	<0.1	<0.1

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H-301	Regenerative Heater	NOx	3.7	8.1
		CO	0.2	0.4
		PM	<0.1	0.1
		VOC	<0.1	<0.1
		SO2	<0.1	<0.1

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
H-1402	Thermal Heater	NOx	1.6	3.5
		CO	<0.1	0.2
		PM	<0.1	<0.1
		VOC	<0.1	<0.1
		SO2	<0.1	<0.1
F-1	Area Fugitives (4)	VOC	3.9	16.9
		H2S	<0.1	0.2
6	Acid Gas Flare (5)	NOx	0.1	0.5
		CO	1.1	4.6
		VOC	0.7	3.0
		SO2	<0.1	<0.1
		H2S	<0.1	<0.1

- (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  
NOx - total oxides of nitrogen  
SO2 - sulfur dioxide  
CO - carbon monoxide  
H2S - hydrogen sulfide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) This flare is an emergency flare. Emissions represented are from pilot gas and glycol regeneration.

- \* 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