

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 4906

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		
EPN01	Reboiler Stack			PM10	0.01	0.04
				VOC	0.16	0.70
				NOx	0.09	0.39
				SO2	1.83	8.80
				H2S	0.023	0.10
				CO	0.02	0.09
EPN02	Regenerator Vent Flare			VOC (5)	0.02	0.39
				NOx	0.07	0.31
				BTEX	0.18	0.79
				SO2	12.64	55.36
				H2S	0.14	0.60
				CO	0.13	0.57
EPN03	Unit 346, 1100 hp			VOC	0.34	1.49
				NOx	24.23	106.13
				SO2	1.30	6.57
				H2S	0.014	0.06
				CO	20.84	91.28
EPN04	Unit 382, 800 hp			VOC	0.25	1.10
				NOx	17.62	77.18
				SO2	0.93	4.08
				H2S	0.01	0.04
				CO	15.15	66.36
EPN05	Unit 3010, 80 hp			VOC	0.03	0.13
				NOx	1.76	7.71
				SO2	1.85	8.11
				H2S	0.02	0.09
				CO	1.52	6.66

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
EPN06	Tank Vent Flare	VOC	1.73	0.11
		NOx	0.08	0.35
		SO2	1.08	4.71
		H2S	0.011	0.05
		CO	0.15	0.64

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
EPN07	Maintenance Vent		(For maintenance use only)	
EPN08	Fugitive Emissions (4)	VOC	5.08	22.25
		H2S	0.88	4.72

- (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) PM10 - particulate matter less than 10 microns  
VOC - volatile organic compounds as defined in General Rule 101.1  
BTEX - benzene, toluene, ethylbenzene and xylene  
NOx - total oxides of nitrogen  
SO2 - sulfur dioxide  
H2S - hydrogen sulfide  
CO - carbon monoxide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Does not include BTEX.

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