

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 9824A

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		
1	Flare		SO <sub>2</sub>		326.7	117.6
			NO <sub>x</sub>		0.17	0.11
			CO		0.74	0.53
			VOC		0.10	0.05
1*	Flare		SO <sub>2</sub>		326.7	1431
			NO <sub>x</sub>		0.17	0.74
			CO		0.74	3.24
			VOC		0.10	0.44
4	3516 Engine No. 1		NO <sub>x</sub>		4.62	20.2
			CO		5.41	23.7
			VOC		1.26	5.5
10	Amine Reboiler		NO <sub>x</sub>		0.75	3.3
			CO		0.15	0.6
			VOC		0.45	1.95
			Benzene		<0.01	0.03
			PM <sub>10</sub>		0.09	0.4
			SO <sub>2</sub>		<0.01	0.01
11	TEG Reboiler		NO <sub>x</sub>		0.11	0.5
			CO		0.02	0.1
			VOC		<0.01	<0.01
			PM <sub>10</sub>		0.01	0.05
			SO <sub>2</sub>		<0.01	<0.01
12	3516 Engine No. 2		NO <sub>x</sub>		4.62	20.2
			CO		5.41	23.7
			VOC		1.26	5.5

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>			
			lb/hr	TPY		
13		3516 Engine No. 3		NO <sub>x</sub>	4.62	20.2
				CO	5.41	23.7
				VOC	1.26	5.5

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### AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
22		Process Fugitives (4)	VOC	5.28
			H <sub>2</sub> S	0.23
20		Dehydrater Heater	NO <sub>x</sub>	0.08
			CO	0.02
			VOC	<0.01
			PM <sub>10</sub>	<0.01
			SO <sub>2</sub>	<0.01
21		SRU Incinerator	SO <sub>2</sub>	67.13
			NO <sub>x</sub>	0.2
			CO	0.03
			VOC	<0.01
			PM <sub>10</sub>	0.02

- (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<sub>10</sub> - particulate matter less than 10 microns in diameter  
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.

\* Represents allowable emissions from EPN 1 for up to 18 months after the date of this amendment. The combined annual emissions from EPN 1 and 21 shall not exceed the values indicated for this EPN during this period.

\*\* 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>	
			lb/hr	TPY
	Hrs/day _____	Days/week _____	Weeks/year _____	or Hrs/year <u>8,760</u>

Dated \_\_\_\_\_