

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 8816

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 *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
01	White 8G-825 No. 4 Engine (Catalyzed)	VOC NO _x CO	0.25 3.53 3.53	0.60 8.59 8.59
02	White 8G-825 No. 5 Engine (Catalyzed)	VOC NO _x CO	0.20 2.91 2.91	0.49 7.09 7.09
03	White 6G-825 No. 3 Engine (Catalyzed)	VOC NO _x CO	0.15 2.18 2.18	0.37 5.31 5.31
04	White 6G-510 No. 1 Engine (Catalyzed)	VOC NO _x CO	0.11 1.54 1.54	0.32 4.63 4.63
05	White 6G-510 No. 2 Engine (Uncatalyzed)	VOC NO _x CO	0.09 7.70 6.65	0.13 11.56 9.99
06	Waukesha 1197-1 Engine (Uncatalyzed)	VOC NO _x CO	0.04 3.41 2.95	0.17 14.94 12.90
07	Waukesha 1197-2 Engine (Catalyzed)	VOC NO _x CO	0.04 3.41 2.95	0.17 14.94 12.90
08	Acid Gas Flare	VOC NO _x SO ₂ CO	0.02 0.03 121.20 0.14	0.09 0.11 531.30 0.63

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Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
		H ₂ S	1.32	5.77

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
09	Amine Reboiler	VOC	0.02	0.08
		NO _x	0.50	2.20
		CO	0.11	0.46
10	EG Reboiler	VOC	0.002	0.008
		NO _x	0.05	0.22
		CO	0.01	0.05
11	EG Still Vent	VOC	1.01	4.41
12	H ₂ S	H ₂ S	0.04	0.17
13	VOC Fugitives (4)	VOC	1.23	5.38
16	Emergency Flare	FOR EMERGENCY USE ONLY		

(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 General Rule 101.1

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

PM - particulate matter, suspended in the atmosphere, including PM₁₀

CO - carbon monoxide

H₂S - hydrogen sulfide

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
<u> </u> Hrs/day <u> </u> Days/week <u> </u> Weeks/year or <u>8,760</u> Hrs/year				

Dated_____