

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 *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
EPN01	Reboiler Stack	PM ₁₀	0.01	0.04
		VOC	0.16	0.70
		NO _x	0.09	0.39
		SO ₂	1.83	8.80
		H ₂ S	0.023	0.10
		CO	0.02	0.09
EPN02	Regenerator Vent Flare	VOC (5)	0.02	0.39
		NO _x	0.07	0.31
		BTEX	0.18	0.79
		SO ₂	12.64	55.36
		H ₂ S	0.14	0.60
		CO	0.13	0.57
EPN06	Tank Vent Flare	VOC	0.18	0.01
		NO _x	0.07	0.28
		SO ₂	0.66	2.62
		H ₂ S	0.01	0.03
		CO	0.14	0.57
EPN07	Maintenance Vent	(For maintenance use only)		
EPN08	Unit 3019, 300 hp Waukesha L3711 GU	VOC	0.09	0.41
		NO _x	6.61	28.94
		SO ₂	3.14	13.74
		H ₂ S	0.03	0.15
		CO	5.68	24.89
EPN09	Unit 2014, 450 hp White Superior 8G825HC	VOC	0.41	1.78
		NO _x	1.98	8.68
		SO ₂	4.44	19.44
		H ₂ S	0.05	0.21

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
		CO	2.97	13.02
EPN10	Fugitive Emissions (4)	VOC	0.16	0.69
		H ₂ S	0.47	2.06

- (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
NO_x - 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 8,760 Hrs/year