

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 26395

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	Emission Rates	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
<u>PLANT A</u>				
A2	Compressor Engine Waukesha L7042 GU	NO _x	4.51	19.75
		CO	6.77	29.65
		SO ₂	0.12	0.53
		VOC	0.56	2.45
A3	Compressor Engine Waukesha L7042 GSI	NO _x	6.81	29.83
		CO	10.22	44.76
		SO ₂	0.17	0.74
		VOC	0.85	3.72
A4	Compressor Engine Waukesha L7042 GSI	NO _x	6.81	29.83
		CO	10.22	44.76
		SO ₂	0.17	0.74
		VOC	0.85	3.72
A7	Glycol Dehydrator Heater Stack	NO _x	0.03	0.13
		CO	0.01	0.03
		SO ₂	<0.01	0.02
		PM ₁₀	<0.01	0.02
		VOC	<0.01	<0.01
A8	Regen Gas Heater	NO _x	0.15	0.65
		CO	0.03	0.14
		SO ₂	0.02	0.09
		PM ₁₀	0.02	0.08
		VOC	0.01	0.03
A9	Condensate Reboiler Heater Stack	NO _x	0.25	1.08
		CO	0.05	0.23
		SO ₂	0.04	0.15

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	
<u>TPY</u>				
		PM ₁₀	0.03	0.13
		VOC	0.01	0.04
A10	Plant A Flare (4)	NO _x	0.29	1.31
		CO	1.15	5.22
		VOC	0.24	1.05
A10	Truck Loading Vapor Recovery	NO _x		0.55
	0.14	CO	2.20	0.55
		VOC	3.50	0.87
A-13	Start-up Engine	NO _x	4.34	0.21
	Int. Harvester UV-549	CO	0.58	0.03
		SO ₂	0.02	<0.01
		VOC	0.26	0.01
A-14	Dehydrator Still Vent - Flare II	NO _x		0.09
	0.40	CO	0.35	1.56
		VOC	0.22	0.91
A-FUG	"A" Plant Fugitives	VOC	2.00	8.76
LOAD	Truck Loading Fugitives	VOC	8.72	2.18
<u>PLANT-B</u>				
1	Compressor Engine	NO _x	5.26	23.06
	Waukesha L7042 GL	CO	6.78	29.70
		SO ₂	0.13	0.58
		VOC	1.47	6.44
2	Compressor Engine	NO _x	5.26	23.06
	Waukesha L7042 GL	CO	6.78	29.70
		SO ₂	0.13	0.58
		VOC	1.47	6.44

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	
<u>TPY</u>				
3	Compressor Engine Caterpillar G3516 TA	NO _x	4.54	19.89
		CO	4.54	19.89
		SO ₂	0.14	0.61
		VOC	0.96	4.20
4	Compressor Engine Caterpillar G379 TA	NO _x	1.67	7.31
		CO	1.67	7.31
		SO ₂	0.05	0.22
		VOC	0.42	1.45
5	Compressor Engine Waukesha 3711	NO _x	2.20	9.64
		CO	3.30	14.45
		SO ₂	0.08	0.35
		VOC	0.28	1.23
6	Regen Gas Heater	NO _x	0.18	0.80
		CO	0.04	0.17
		SO ₂	0.03	0.11
		PM ₁₀	0.02	0.10
		VOC	0.01	0.03
7	Flare (4)	NO _x	0.01	0.05
		CO	0.05	0.21
		VOC	<0.01	<0.01
8	Compressor Engine Caterpillar G3606 LE	NO _x	7.33	32.11
		CO	6.78	29.70
		SO ₂	0.20	0.88
		VOC	1.47	6.44
9	Compressor Engine Caterpillar G3606 LE	NO _x	7.33	32.11
		CO	6.78	29.70
		SO ₂	0.20	0.88
		VOC	1.47	6.44

SLOP	Slop Tank	VOC	0.01	<0.01
SLOPLOAD	Slop Truck Loading	VOC	<0.01	<0.01
FUG-B	Plant B Fugitives	VOC	0.60	2.62

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- (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) NO_x - total oxides of nitrogen
CO - carbon monoxide
SO₂ - sulfur dioxide
VOC - volatile organic compounds as defined in General Rule 101.1
PM₁₀ - particulate matter equal to or less than 10 microns in diameter.
Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
- (4) Also serves as emergency flare.

* 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

Dated _____