

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>				
A1	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
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
A5	Compressor Engine Waukesha F2895	NO _x	1.85	8.10
		CO	2.78	12.18
		SO ₂	0.05	0.22
		VOC	0.23	1.01
A7	Glycol Dehydrator Heater Stack	NO _x	0.03	0.13
		CO	0.01	0.03
		SO ₂	<0.01	0.02
		PM	<0.01	0.02
		VOC	<0.01	<0.01

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
A8	Regen Gas Heater	NO _x	0.15	0.65
		CO	0.03	0.14
		SO ₂	0.02	0.09
		PM	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
		PM	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 0.14	NO _x		0.55
		CO	2.20	0.55
		VOC	3.50	0.87
A-11	Compressor Engine Caterpillar G3606 LE	NO _x	7.33	32.11
		CO	6.78	29.70
		SO ₂	0.18	0.79
		VOC	1.47	6.44
A-12	Compressor Engine Caterpillar G3606 LE	NO _x	7.33	32.11
		CO	6.78	29.70
		SO ₂	0.18	0.79
		VOC	1.47	6.44
A-13	Start-up Engine Int. Harvester UV-549	NO _x	4.34	0.21
		CO	0.58	0.03
		SO ₂	0.02	<0.01
		VOC	0.26	0.01
A-14	Dehydrator Still Vent - Flare II 0.40	NO _x		0.09
		CO	0.35	1.56

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			lb/hr	TPY
		VOC	0.22	0.91
A-FUG	"A" Plant Fugitives	VOC	2.00	8.76
LOAD	Truck Loading Fugitives	VOC	8.72	2.18

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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>PLANT-B</u>				
1	Compressor Engine Waukesha L7042 GL	NO _x	5.26	23.06
		CO	6.78	29.70
		SO ₂	0.13	0.58
		VOC	1.47	6.44
2	Compressor Engine Waukesha L7042 GL	NO _x	5.26	23.06
		CO	6.78	29.70
		SO ₂	0.13	0.58
		VOC	1.47	6.44
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	0.03	0.11
		PM	0.02	0.10
		VOC	0.01	0.03
7	Flare (4)	NO _x	0.01	0.05
		CO	0.05	0.21

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
		VOC	<0.01	<0.01
8	Compressor Engine	NO _x	7.33	32.11
	Caterpillar G3606 LE	CO	6.78	29.70
		SO ₂	0.20	0.88
		VOC	1.47	6.44
9	Compressor Engine	NO _x	7.33	32.11
	Caterpillar G3606 LE	CO	6.78	29.70
		SO ₂	0.20	0.88
		VOC	1.47	6.44
10	Glycol Reboiler Heater Stack	NO _x		0.18
	0.80	CO	0.04	0.17
		SO ₂	0.03	0.11
		PM	0.02	0.10
		VOC	0.01	0.03
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

(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

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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 - particulate matter
(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 _____