

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 9041A

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. 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
1-7, BD-1-BD-6, 12, 13, 15, 16, and LRK-1	Plant Operations (4)	NO _x	170.91	748.40
		CO	69.54	308.83
		SO ₂	0.09	0.29
		VOC	53.44	85.74
		PM/PM ₁₀	0.48	2.03
Itemized:				
1	Engine Exhaust Waukesha L7042G	NO _x	15.70	69.00
		CO	11.50	50.20
		SO ₂	<0.01	0.02
		VOC	0.01	0.04
		PM/PM ₁₀	<0.01	0.02
2	Engine Exhaust Ingersoll Rand KVG-82	NO _x	24.70	108.00
		CO	8.80	38.60
		SO ₂	<0.01	0.02
		VOC	0.04	0.16
		PM/PM ₁₀	<0.01	0.02
3	Engine Exhaust Ingersoll Rand KVG-82	NO _x	24.70	108.00
		CO	8.80	38.60
		SO ₂	<0.01	0.02
		VOC	0.04	0.16
		PM/PM ₁₀	<0.01	0.02
4	Engine Exhaust Ingersoll Rand KVG-82	NO _x	24.70	108.00
		CO	8.80	38.60
		SO ₂	<0.01	0.02

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Point No. (1)	Name (2)	Name (3)	lb/hrTPY	
		VOC	0.04	0.16
		PM/PM ₁₀	<0.01	0.02
5	Engine Exhaust Clark BA-8	NO _x	38.80	170.00
		CO	15.90	69.80
		SO ₂	0.01	0.05
		VOC	0.42	1.83
		PM/PM ₁₀	0.01	0.05
6	Engine Exhaust Clark BA-8	NO _x	38.80	170.00
		CO	15.90	69.80
		SO ₂	0.01	0.05
		VOC	0.42	1.83
		PM/PM ₁₀	0.01	0.05
7	Regen. Gas Heater	NO _x	2.99	13.10
		CO	0.63	2.75
		SO ₂	0.02	0.09
		VOC	0.04	0.18
		PM/PM ₁₀	0.36	1.57
BD-1 through BD-6	Compressor Blowdown	VOC	34.00	0.42
12	Amine Reboiler	NO _x	0.52	2.30
		CO	0.11	0.48
		SO ₂	<0.01	0.02
		VOC	<0.01	0.02
		PM/PM ₁₀	0.06	0.28
13	Amine Unit-Fugitives	VOC	1.12	4.90
14	Amine Vent	H ₂ S	0.45	1.95

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15	Fugitives Plant	VOC (total)	16.60	72.73
16	Slop Tank	VOC	0.46	2.02
LRK-1	Loading Rack Slop Tank	VOC	0.24	1.29

(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 - particulate matter

PM₁₀ - particulate matter less than 10 microns in diameter

VOC - volatile organic compounds as defined in General Rule 101.1

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

CO - carbon monoxide

H₂S - hydrogen sulfide

(4) Emissions are distributed as itemized below. A redistribution among individual emission points shall not be considered an exceedance of this table. However, emissions in excess of the site emissions cap shall be considered a violation of this permit.

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

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

Permit No. 9041A
Page 4

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Emission * _____	Source	Air Contaminant	Emission Rates
Point No. (1)	Name (2)	Name (3)	lb/hrTPY

Dated _____