

# 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 Point No. (1)	Source Name (2)	Name (3)	Air Contaminant lb/hr TPY	Emission Rates *	
1-7, BD-1-BD-6, 12, 13, 15, 16, and LRK-1	Plant Operations (4)		NO <sub>x</sub>	159.19	698.49
			CO	24.87	108.32
			SO <sub>2</sub>	0.09	0.40
			VOC	46.04	87.91
			PM/PM <sub>10</sub>	0.45	1.84
Itemized:					
1	Engine Exhaust Waukesha L7042G		NO <sub>x</sub>	15.70	69.00
			CO	11.50	50.20
			SO <sub>2</sub>	<0.01	0.02
			VOC	0.01	0.04
			PM/PM <sub>10</sub>	<0.01	0.02
2	Engine Exhaust Ingersoll Rand KVG-82		NO <sub>x</sub>	23.70	104.00
			CO	1.10	4.60
			SO <sub>2</sub>	<0.01	0.02
			VOC	0.04	0.16
			PM/PM <sub>10</sub>	<0.01	0.02
3	Engine Exhaust Ingersoll Rand KVG-82		NO <sub>x</sub>	23.70	104.00
			CO	1.10	4.60
			SO <sub>2</sub>	<0.01	0.02
			VOC	0.04	0.16
			PM/PM <sub>10</sub>	<0.01	0.02
4	Engine Exhaust Ingersoll Rand KVG-82		NO <sub>x</sub>	23.70	104.00
			CO	1.10	4.60
			SO <sub>2</sub>	<0.01	0.02
			VOC	0.04	0.16
			PM/PM <sub>10</sub>	<0.01	0.02
5	Engine Exhaust Clark BA-8		NO <sub>x</sub>	34.60	151.80
			CO	4.70	20.70

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
		SO <sub>2</sub>	0.01	0.05
		VOC	0.42	1.83
		PM/PM <sub>10</sub>	0.01	0.04

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### AIR CONTAMINANTS DATA

Emission Point No. (1) (Itemized Continued)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
6	Engine Exhaust Clark BA-8	NO <sub>x</sub>	34.60	151.80
		CO	4.70	20.70
		SO <sub>2</sub>	0.01	0.05
		VOC	0.42	1.83
		PM/PM <sub>10</sub>	0.01	0.04
7	Regen. Gas Heater	NO <sub>x</sub>	2.69	11.79
		CO	0.57	2.48
		SO <sub>2</sub>	0.02	0.09
		VOC	0.04	0.18
		PM/PM <sub>10</sub>	0.33	1.42
BD-1 through BD-6	Compressor Blowdown	VOC	26.00	0.23
12	Amine Reboiler	NO <sub>x</sub>	0.50	2.10
		CO	0.10	0.44
		SO <sub>2</sub>	<0.01	0.02
		VOC	<0.01	0.02
		PM/PM <sub>10</sub>	0.06	0.26
16	Slop Tank	VOC	0.41	1.77
LRK-1	Loading Rack Slop Tank	VOC	0.15	0.67
13 and 15	Fugitives (Plant and Amine Unit)	VOC	18.46	80.86

(1) Emission point identification - either specific equipment designation or from plot plan. emission point number

(2) Specific point source name. For fugitive sources use area name or fugitive source name.

(3) PM - particulate matter

PM<sub>10</sub> - particulate matter less than 10 microns in diameter

VOC - volatile organic compounds as defined in General Rule 101.1

NO<sub>x</sub> - total oxides of nitrogen

SO<sub>2</sub> - sulfur dioxide

CO - carbon monoxide

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- (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

Dated\_\_\_\_\_