

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 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)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
1	Engine Exhaust Waukesha L7042G	NO _x	15.70	69.00
		CO	11.50	50.20
		SO ₂	<0.01	0.02
		VOC	0.03	0.11
		PM ₁₀	<0.01	0.02
2	Engine Exhaust Ingersoll Rand KVG-82	NO _x	24.70	108.10
		CO	8.80	38.60
		SO ₂	<0.01	0.02
		VOC	0.01	0.06
		PM ₁₀	<0.01	0.02
3	Engine Exhaust Ingersoll Rand KVG-82	NO _x	24.70	108.10
		CO	8.80	38.60
		SO ₂	<0.01	0.02
		VOC	0.01	0.06
		PM ₁₀	<0.01	0.02
4	Engine Exhaust Ingersoll Rand KVG-82	NO _x	24.70	108.10
		CO	8.80	38.60
		SO ₂	<0.01	0.02
		VOC	0.01	0.06
		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	0.09	0.41
		PM ₁₀	0.57	2.47
6	Engine Exhaust Clark BA-8	NO _x	38.80	170.00
		CO	15.90	69.80
		SO ₂	0.01	0.05
		VOC	0.09	0.41
		PM ₁₀	0.57	2.47
7	Regen. Heater Flue Gas	NO _x	2.99	13.10

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
		CO	2.49	10.90
		SO ₂	0.02	0.09
		VOC	0.16	0.71
		PM ₁₀	0.23	0.99
BD1-6	Compressors 1-6 Blowdown	VOC	34.00	0.42
SV1	Compressor No. 1 Starter	VOC	12.0	0.06
12	Amine Reboiler Flue Gas	NO _x	0.52	2.30
		CO	0.44	1.92
		SO ₂	<0.01	0.02
		VOC	0.03	0.13
		PM ₁₀	0.04	0.17
13	Amine Unit Fugitives (4)	VOC	1.12	4.90
14C	Amine Vent	H ₂ S	0.21	0.94
		Benzene	1.63	7.13
		Toluene	0.11	0.49
		VOC	0.09	0.37
15	Fugitives Plant (4)	VOC	3.71	16.26
15A	Fugitives - Load Rack Drip Tank (4)	VOC	0.02	0.08
16	Slop Tank	VOC	0.46	2.02
LRK-1	Loading Rack Slop Tank	VOC	0.24	1.29
LRK-2	Loading Rack Drip Tank	VOC	0.32	1.38

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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 Title 30 Texas Administrative Code Section 101.1
PM₁₀ - particulate matter (pm) 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.
H₂S - hydrogen sulfide
- (4) Fugitive emissions are estimates only based on component count and application of appropriate fugitive emission factors

* 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 January 31, 2002