

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 5144A

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 Point No. (1)	Source		Air Contaminant		<u>Emission Rates *</u>	
	Name (2)	Name (3)	lb/hr	TPY		
1	Amine Regenerator Heater		VOC		0.10	0.43
			NO _x		4.93	21.61
			SO ₂		0.02	0.09
			CO		1.23	5.40
			PM		0.48	2.11
3A	Glycol Regenerator Heater		VOC		<0.01	0.02
			NO _x		0.95	0.42
			SO ₂		<0.01	<0.01
			CO		0.02	0.09
			PM		0.01	0.05
3B	Glycol Vent		VOC	EMERGENCY/UPSET USE ONLY		
4	Boiler		VOC		0.02	0.08
			NO _x		0.48	2.09
			SO ₂		<0.01	0.01
			CO		0.10	0.44
			PM		0.06	0.25
5	Tail Gas Incinerator		VOC		0.08	0.36
			NO _x		1.93	8.47
			SO ₂		1,165.90	1,314.00
			H ₂ S		0.62	0.70
			CO		0.48	2.12
			PM		0.19	0.83
6	Flare		EMERGENCY/UPSET USE ONLY			
7A	Generator #1		VOC		0.02	0.10
			NO _x		0.60	2.63

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
		SO ₂	<0.01	0.02
		CO	0.13	0.55
		PM	0.07	0.32
7B	Generator #2	VOC	0.02	0.10
		NO _x	0.60	2.63
		SO ₂	<0.01	0.02
		CO	0.13	0.55
		PM	0.07	0.32
7C	Generator #3	VOC	0.02	0.10
		NO _x	0.60	2.63
		SO ₂	<0.01	0.02
		CO	0.13	0.55
		PM	0.07	0.32
8	Fugitives (4)	VOC	2.60	11.37
		H ₂ S	0.05	0.22
31	Compressor 31	VOC	0.03	0.12
		NO _x	2.04	8.92
		CO	1.42	6.21
32	Compressor 32	VOC	0.04	0.16
		NO _x	2.83	12.40
		CO	1.97	8.63
33	Compressor 33	VOC	0.21	0.93
		NO _x	5.22	22.85
		CO	0.73	3.22
34	Compressor 34	VOC	0.33	1.46
		NO _x	8.17	35.77
		CO	1.15	5.03

V-20	Sulfolane Tank	VOC	1.63	0.01
V-21	MDEA Tank	VOC	<0.01	<0.01
V-27	Slop Oil Tank	VOC	1.91	0.08
E-PIT	Emergency Pit	VOC	0.02	0.09
S-PIT	Solution Pit	VOC	**	**

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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) VOC - volatile organic compounds as defined in General Rule 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
H₂S - hydrogen sulfide
CO - carbon monoxide
PM - particulate matter
 - (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- ** Solution Pit is used every 2-3 years for less than 1 hour.
- * Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day____Days/week____Weeks/year____or Hrs/year 8,760

Dated _____