Permit No. 6818A

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.

Emission	Source	Air Contaminant	nant <u>Emission Rates</u> *	
Point No. (1)	Name (2)	Name (3)	<u>lb/hr</u>	TPY
5	Glycol Regenerator	PM_{10}	0.0085	0.0373
		VOC	0.0027	0.0119
		CO	0.0149	0.0653
		NO_x	0.0710	0.3110
		SO_2	0.0004	0.0019
DEHY-3	Glycol Regenerator	nm-VOC	0.1640	0.7182
	Vent	H_2S	0.0677	0.2965
		Benzene	0.2027	0.8876
		Toluene	0.4824	2.1127
		Ethylbenzene	0.8159	3.5736
		Xylene	0.9654	4.2286
		n-Hexane	0.0188	0.0823
12	Process Vent Stack	H_2S	3.6986	16.1999
		Hexane	0.1187	0.5200
		Benzene	0.7580	3.3200
		Toluene	0.3744	1.6400
		Ethylbenzene	0.0114	0.0500
		Xylene	0.2466	1.0800
13	Process Vent Stack	H ₂ S	5.5479	24.2998
		Hexane	0.2534	1.1100
		Benzene	1.6233	7.1100
		Toluene	0.8014	3.5100
		Ethylbenzene	0.0274	0.1200
		Xylene	0.5274	2.3100
14A	Amine Reboiler	PM_{10}	0.0457	0.2000
		VOC	0.0093	0.0406
		CO	0.1167	0.5110
		NO _x	0.4667	2.0440
		SO_2	0.0060	0.3000

Emission	Source	Air Contaminant	Emission Rates *	
Point No. (1)	Name (2)	Name <u>(</u> 3)	<u>lb/hr</u>	TPY
14B	Amine Reboiler	PM ₁₀ VOC	0.0457 0.0093	0.2000 0.0406
		CO	0.1167	0.5110
		NO _x	0667	2.0440
		SO_2	0.0060	0.3000
14C	Amine Reboiler	PM_{10}	0.0457	0.2000
		VOC	0.0093	0.0406
		CO	0.1167	0.5110
		NO_x	0667	2.0440
		SO_2	0.0060	0.3000
14D	Amine Reboiler	PM_{10}	0.0258	0.1130
110	7 11 11 11 11 11 11 11 11 11 11 11 11 11	VOC	0.0082	0.0360
		CO	0.0452	0.1978
		NO _x	0.2150	0.9417
		SO ₂	0.0030	0.0130
		332	0.0000	0.0100
14E	Amine Reboiler	PM_{10}	0.0258	0.1130
		VOC	0.0082	0.0360
		CO	0.0452	0.1978
		NO_x	0.2150	0.9417
		SO_2	0.0030	0.0130
15A	Amine Reboiler	PM ₁₀	0.0288	0.1261
		VOC	0.0092	0.0402
		CO	0.0504	0.2208
		NO _x	0.2400	1.0512
		SO_2	0.0040	0.0190
15B	Amine Reboiler	$PM_{\mathtt{10}}$	0.0288	0.1261
		VOC	0.0092	0.0402
		CO	0.0504	0.2208
		NO_x	0.2400	1.0512
		SO_2	0.0040	0.0190

Emission	Source	Air Contaminant	Emission Ra	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
15C	Amine Reboiler	PM_{10} VOC CO NO_x SO_2	0.0288 0.0092 0.0504 0.2400 0.0040	0.1261 0.0402 0.2208 1.0512 0.0190
16A	Amine Reboiler	PM_{10} VOC CO NO_x SO_2	0.0288 0.0092 0.0504 0.2400 0.0040	0.1261 0.0402 0.2208 1.0512 0.0190
16B	Amine Reboiler	PM_{10} VOC CO NO_x SO_2	0.0288 0.0092 0.0504 0.2400 0.0040	0.1261 0.0402 0.2208 1.0512 0.0190
16C	Amine Reboiler	PM_{10} VOC CO NO_x SO_2	0.0288 0.0092 0.0504 0.2400 0.0040	0.1261 0.0402 0.2208 1.0512 0.0190
21A	Amine Reboiler	PM_{10} VOC CO NO_x SO_2	0.0288 0.0092 0.0504 0.2400 0.0040	0.1261 0.0402 0.2208 1.0512 0.0190
21B	Amine Reboiler	PM_{10} VOC CO NO_x SO_2	0.0288 0.0092 0.0504 0.2400 0.0040	0.1261 0.0402 0.2208 1.0512 0.0190

Emission	Source	Air Contaminant <u>Emission Rates</u>		Rates *
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
		-		
21C	Amine Reboiler	PM_{10}	0.0288	0.1261
		VOC	0.0092	0.0402
		CO	0.0504	0.2208
		NO_x	0.2400	1.0512
		SO ₂	0.0040	0.0190
28	Glycol Regenerator	PM ₁₀	0.0120	0.0526
	Burner	VOC	0.0038	0.0168
	2 6	CO	0.0210	0.0920
		NO _x	0.1000	0.4380
		SO_2	0.0006	0.0030
DEHY-1	Glycol Regenerator	nm-VOC	0.1639	0.7178
DEIII I	Ciyooi regenerator	H ₂ S	0.0675	0.2957
		Benzene	0.2206	0.9662
		Toluene	0.5518	2.4170
		Ethylbenzene	0.9579	4.1955
		Xylene	1.2011	5.2607
		n-Hexane	0.0188	0.0823
29	Glycol Regenerator	PM_{10}	0.0072	0.0315
	Ciyoon Kogonoraasi	VOC	0.0023	0.0101
		CO	0.0126	0.0552
		NO _x	0.0600	0.2628
		SO_2	0.0004	0.0020
DEHY-2	Glycol Regenerator	nm-VOC	0.1640	0.7182
<i>D</i> 2.11. <i>L</i>	Vent	H ₂ S	0.0677	0.2965
	Voint	Benzene	0.2027	0.8876
		Toluene	0.4824	2.1127
		Ethylbenzene	0.8159	3.5736
		Xylene	0.9654	4.2286
		n-Hexane	0.0188	0.0823

Emission	Source	Air Contaminant	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	<u>lb/hr</u>	TPY
30	Amine Reclaimer	PM_{10}	0.0240	0.1049
		VOC	0.0076	0.0335
		CO	0.0419	0.1836
		NO _x	0.1997	0.8745
		SO_2	0.0012	0.0050
Tank 1	Triethylene Glycol			
	Storage Tank	VOC	< 0.0100	< 0.0100
Tank 2	Methyldiethanolamine			
	Storage Tank	VOC	<0.0100	<0.0100
Tank 3	Methyldiethanolamine			
	Storage Tank	VOC	<0.0100	<0.0100
Fugitives	Process Fugitive	nm-VOC	0.0617	0.2702
	Emissions (4)	H₂S	0.0113	0.0496

- (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) PM₁₀ particulate matter less than 10 microns in diameter
 - VOC volatile organic compounds as defined in General Rule 101.1
 - CO carbon monoxide
 - NO_x total oxides of nitrogen
 - SO₂ sulfur dioxide
 - nm-VOC Nonmethane hydrocarbons
 - H₂S hydrogen sulfide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- * 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

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