

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 6630A

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 Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY **
1	Amine Reboiler Flue Gas	CO	0.03	0.13
		NO _x	0.04	0.18
		PM ₁₀	0.01	0.01
		SO ₂	0.01	0.01
		VOC	0.01	0.01
		CH ₂ O (6)	0.01	0.01
2	Amine Regenerator Overhead	H ₂ S	0.50	1.95
		VOC	0.50	1.57
3	Dryer Regenerator Flue Gas	CO	0.14	0.61
		NO _x	0.17	0.74
		PM ₁₀	0.01	0.04
		SO ₂	0.01	0.01
		VOC	0.01	0.04
		CH ₂ O (6)	0.01	0.01
4	CM-11.01A Compressor Engine Exhaust	CO	6.33	25.87
		NO _x	26.63	108.92
		PM ₁₀	0.53	2.16
		SO ₂	0.01	0.03
		VOC	0.67	2.72
		CH ₂ O (6)	0.31	1.25
5	CM-11.01B Compressor Engine Exhaust	CO	6.49	26.60
		NO _x	27.34	112.01
		PM ₁₀	0.54	2.22
		SO ₂	0.01	0.03
		VOC	0.68	2.80
		CH ₂ O (6)	0.31	1.29
6	Fugitive Emissions	VOC	1.77	7.70

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			lb/hr	TPY **
	Ethane Recovery Plant (4)			
6a	Fugitive Emissions (4)	VOC	0.63	2.75
14	Cisco Compressor C-3 Exhaust	CO	5.93	25.96
		NO _x	3.95	17.30
		PM ₁₀	0.13	0.56
		SO ₂	0.01	0.02
		VOC	0.99	4.33
		CH ₂ O (6)	0.07	0.30
15	Fugitive Emissions Cisco Compressor C-3 (4)	VOC	0.13	0.53
16	Glycol Reboiler No. 2	CO	0.07	0.31
	Flue Gas	NO _x	0.08	0.35
		PM ₁₀	0.01	0.04
		SO ₂	0.01	0.01
		VOC	0.01	0.02
		CH ₂ O (6)	0.01	0.01
19C	Glycol Reboiler No. 2 Overhead	VOC	1.91	8.37
20	Low Field Compressor No. 1 Exhaust	CO	5.93	23.46
		NO _x	3.95	15.64
		PM ₁₀	0.13	0.50
		SO ₂	0.01	0.02
		VOC	0.99	3.91
		CH ₂ O (6)	0.07	0.27
21	Fugitive Emissions - Low Field Compressor No. 1 (4)	VOC	0.14	0.54
22	Slop Tank No. 1 Vent	VOC	0.04	0.03
23	Slop Tank No. 2 Vent	VOC	0.04	0.03

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			lb/hr	TPY **
24a	Condensate Loading Rack (5)	VOC	0.90	0.06
35a	Waste Oil Loading Rack (5)	VOC	0.01	0.01
36	Waste Oil Tank	VOC	0.01	0.01
37	Tank Area Process Fugitives (4)	VOC	0.30	1.33
37a	Tank Area Process Fugitives (4)	VOC	0.12	0.56
38	Slop Tanks - Loading Dock	VOC	0.18	0.01
39	KC West Compressor Engine Exhaust	CO	5.93	23.46
		NO _x	3.95	15.64
		PM ₁₀	0.13	0.50
		SO ₂	0.01	0.02
		VOC	0.99	3.91
		CH ₂ O (6)	0.07	0.27
40	Fugitive Emissions KC West Compressor (4)	VOC	0.21	0.90
48a	Propane Unloading Rack (5)	VOC	6.08	0.04
LO-1thru 4	Lube Oil Tanks 1-4	VOC	0.01	0.01

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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) CO - carbon monoxide
H₂S - hydrogen sulfide
NO_x - total oxides of nitrogen
PM₁₀ - particulate matter equal to or less than of 10 microns in diameter. Where PM is not listed it shall be assumed that no PM greater than 10 microns is emitted.
SO₂ - sulfur dioxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1, which includes formaldehyde.
CH₂O - formaldehyde
- (4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.
- (5) Portion of these emissions for these facilities were authorized under Permits-by-Rule (PBR) and incorporated by reference only into this permit. The PBR utilized and emission rates are listed below:

EPN No.	PBR Registration No.	PBR Claimed	Date PBR Claimed	Total PBR Emissions
24a	unregistered	106.352	9/4/2000	0.90 lb/hr and 0.06 TPY.
35a	unregistered	106.352	9/4/2000	0.01 lb/hr and 0.01 TPY
48a	unregistered	106.352	9/4/2000	6.08 lb/hr and 0.04 TPY

- (6) These emissions are accounted as part of the VOC total emissions.

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

Hrs/day 24 Days/week 7 Weeks/year 52

** Compliance with annual emission limits is based on a rolling 12-month period.

Dated: April 6, 2009