

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-1 Waukesha L7042G	NO _x	0.99	4.34
		CO	1.98	8.67
		SO ₂	0.01	0.02
		VOC	1.98	8.67
		PM/PM ₁₀	0.07	0.31
		CH ₂ O	0.26	1.14
BD1	Compressor 1 Blowdown	VOC	6.90	0.18
SV-1	Compressor Engine No. 1 Starter	VOC	12.00	0.06
7	Regenerator Heater Flue Gas	NO _x	2.99	13.10
		CO	2.49	10.90
		SO ₂	0.02	0.09
		VOC	0.16	0.71
		PM/PM ₁₀	0.23	0.99
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
		VOC	2.40	10.48
15	Plant Fugitives (Non-Monitored) (4)	VOC	3.71	16.26
15A	Plant Fugitives (Monitored) (4)	VOC	0.02	0.08
16	Slop Tank	VOC	0.46	2.02

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			lb/hr	TPY
LRK-1	Loading Rack Slop Tank	VOC	0.24	1.29
LRK-2	Loading Rack Drip Tank	VOC	0.32	1.38

- (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 § 101.1
 PM - particulate matter
 PM₁₀ - particulate matter less than 10 microns in diameter
 H₂S - hydrogen sulfide
 CH₂O - formaldehyde
- (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: November 19, 2010