

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 82

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>		TPY**
			lb/hr*		
AGI	Incinerator Vent (5)	VOC	0.11	0.49	
		NO _x	5.60	24.50	
		SO ₂	549.00	2404.60	
		PM ₁₀ /PM _{2.5}	0.20	0.88	
		H ₂ S	6.00	26.10	
		CO	1.40	6.10	
FLARE-1	Flare No. 1 (5)	NO _x	0.65	2.87	
		CO	5.61	24.57	
		SO ₂	41.37	181.19	
		PM ₁₀ /PM _{2.5}	0.38	1.65	
		H ₂ S	0.45	1.97	
		VOC	0.36	1.57	
AMREBOILER-1	Amine Unit Reboiler	NO _x	0.43	1.89	
		CO	0.36	1.59	
		SO ₂	0.01	0.01	
		PM ₁₀ /PM _{2.5}	0.03	0.14	
		VOC	0.02	0.10	
		Formaldehyde	0.01	0.01	
AMREG-1	Amine Unit Regen. Vent	Hexane-N	0.01	0.03	
		NO _x	0.01	0.01	
		CO	0.01	0.01	
		SO ₂	0.01	0.01	
		PM ₁₀ /PM _{2.5}	0.01	0.01	
		H ₂ S	0.01	0.01	
AMFLASH-1	Amine Unit Flash Vent	VOC	0.01	0.01	
		NO _x	0.01	0.01	
		CO	0.01	0.01	
		SO ₂	0.01	0.01	
		PM ₁₀ /PM _{2.5}	0.01	0.01	
		H ₂ S	0.01	0.01	

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		VOC	0.01	0.01
FUG-FLARE	Flare No. 1 Fugitives (4)	H ₂ S	0.01	0.01
		VOC	0.01	0.01
COMP1	1,232-hp Waukesha L-7042 (6)	NO _x	4.40	19.4
		CO	6.70	29.1
		SO ₂	0.01	0.03
		PM ₁₀ /PM _{2.5}	0.01	0.40
		VOC	0.60	2.60
		Formaldehyde	0.05	0.22
COMP2.2	1,265-hp Caterpillar G-3516 (6)	NO _x	5.58	24.43
		CO	8.37	36.64
		SO ₂	0.01	0.02
		PM ₁₀ /PM _{2.5}	0.10	0.42
		VOC	1.23	5.37
		Formaldehyde	0.75	3.30
COMP3.2	1,265-hp Caterpillar G-3516 (6)	NO _x	5.58	24.43
		CO	8.37	36.64
		SO ₂	0.01	0.02
		PM ₁₀ /PM _{2.5}	0.10	0.42
		VOC	1.23	5.37
		Formaldehyde	0.75	3.30

- (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 Title 30 Texas Administrative Code § 101.1
 NO_x - total oxides of nitrogen
 SO₂ - sulfur dioxide
 PM₁₀ - particulate matter less than 10 microns
 PM_{2.5} - particulate matter less than 2.5 microns
 CO - carbon monoxide
 H₂S - hydrogen sulfide
- (4) Fugitive emission rates are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Incinerator emissions will be replaced and permanently shutdown by the new flare 30 days after installation and startup of the new flare.
- (6) These emissions are authorized under Permits by Rule Number 38149 and are incorporated by reference only into this permit.

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- * 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

- ** Annual emissions are based on a rolling 12-month average.

Dated: May 17, 2010