

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 3119A

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)	Emission Rates *	
			lb/hr	TPY**
412	SRU Incinerator Stack	CO	0.20	0.85
		NO _x	1.37	6.00
		PM ₁₀	0.11	0.50
		VOC	0.03	0.15
		COS	0.50	
		CS ₂	0.63	
		H ₂ S	0.56	
		SO ₂	26.44	
412A	SRU Incinerator Stack	CO	1.26	2.14
		NO _x	1.20	2.03
		PM ₁₀	0.11	0.19
		VOC	0.08	0.14
		COS	0.50	
		CS ₂	0.63	
		H ₂ S	0.56	
		SO ₂	26.44	
412/412A	Annual SRU Incinerator Cap	COS		2.19
		CS ₂		2.76
		H ₂ S		2.46
		SO ₂	115.81	
413	Acid Gas Flare (Pilot Fuel Only)	CO	0.90	3.95
		NO _x	0.45	1.98
		SO ₂	0.09	0.38
		VOC	0.08	0.35
417	Cooling Tower (4)	PM ₁₀	1.54	6.76
		VOC	0.18	0.77

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			lb/hr	TPY**
433	Sour Water Tank	H ₂ S	0.12	0.38
		NH ₃	0.01	
		VOC	0.46	1.51
F411	SRU Process Fugitives (4)	H ₂ S	2.63	11.53
		NH ₃	0.41	1.82
		VOC	5.99	26.24
F416	SRU Process Fugitives (4)	H ₂ S	0.20	0.85
		NH ₃	0.01	
		VOC	0.12	0.50

- (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
COS - carbonyl sulfide
CS₂ - carbon disulfide
H₂S - hydrogen sulfide
NH₃ - ammonia
NO_x - total oxides of nitrogen
PM₁₀ - particulate matter equal to or less than 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
- (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

** Compliance with annual emission limits is based on a calendar year (January through December).

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY**</u>

Dated March 20, 2006