

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 2351A

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
1	Inlet Gas Compressor (Centaur)	CO	6.12	22.15
		NO _x	19.36	70.09
		PM ₁₀	0.98	3.72
		SO ₂	0.02	0.08
		VOC	0.98	3.72
4	Emergency Flare	(EMERGENCY USE ONLY)		
5	Condensate Vent	VOC	7.94	2.98
6	Amine Reboiler	CO	2.14	9.36
		NO _x	3.64	15.94
		PM ₁₀	0.19	0.85
		SO ₂	0.02	0.06
		VOC	0.14	0.61
7	Acid Gas Flare	CO	0.60	2.63
		H ₂ S	0.07	0.31
		NO _x	0.21	0.91
		SO ₂	6.58	28.84
		VOC	0.01	0.02
9	Tail Gas Incinerator (5) (7)	CO	14.0	61.3
		H ₂ S	7.64	29.07
		NO _x	21.93	83.4
		PM ₁₀	0.78	3.43
		SO ₂	363.3	1381.5
		SO ₃	1.91	8.36
		VOC	0.83	3.64

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
10	Storage Tanks 2 and 3	NaOH	< 0.01	< 0.01
		VOC	< 0.01	< 0.01
11	Line Heater (6)	CO	0.12	0.54
		NO _x	0.15	0.65
		PM ₁₀	0.01	0.05
		SO ₂	< 0.01	< 0.01
12	Ajax Compressor (140-hp)	CO	0.43	1.88
		NO _x	3.36	14.72
		PM ₁₀	1.35	5.91
		SO ₂	< 0.01	< 0.01
		VOC	1.35	5.91
13	Caterpillar 3516	CO	4.78	20.96
		NO _x	4.31	18.86
		VOC	2.79	12.2
		PM ₁₀	0.38	1.68
14	Caterpillar 3516	CO	4.78	20.96
		NO _x	4.31	18.86
		VOC	2.79	12.2
		PM ₁₀	0.38	1.68
15	Glycol Dehydrator Reboiler	CO	0.16	0.72
		NO _x	0.20	0.88
		VOC	0.54	2.36
		PM ₁₀	0.02	0.11
FUG	Fugitives (4)	H ₂ S	1.37	6.01
		VOC	3.82	16.75
FUG2	1997 Project Fugitives	VOC	0.11	0.47
FUG3	RLS Project Fugitives	VOC	0.05	0.2

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources use area name or fugitive source name.
- (3) CO - carbon monoxide
NO_x - total oxides of nitrogen
PM₁₀ - particulate matter (PM) 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 in emitted.
SO₂ - sulfur dioxide
SO₃ - sulfur trioxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NaOH - sodium hydroxide
H₂S - hydrogen sulfide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) For emissions occurring when the SRU is not operating.
- (6) The heater shall be used six months a year.
- (7) SO₃ emissions are 1/2 of 1 percent of SO₂ emissions.

The individual TPY emission rates for each storage tank may be exceeded by such tank so long as the aggregate emissions from all storage tanks do not exceed 145.96 tpy.

- * 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 or Hrs/year ____

Dated January 21, 2003