

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 1677

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**
See Attachment I	Fixed-Roof Tanks	VOC	249.59	
		H ₂ S	0.01	
See Attachment II	Internal Floating Roof Tanks	VOC	60.92	
		Acetone	3.65	
		Methyl Acetate	4.31	
		H ₂ S	0.01	
	Fixed-Roof plus Internal Floating Roof Tanks Combined	VOC		72.5
		Acetone		3.42
		Methyl Acetate		4.02
		H ₂ S		0.01
CTF LDG	Central Tank Farm Loading	VOC	27.70	
		Acetone	16.84	
		Methyl Acetate	15.93	
		H ₂ S	0.01	
ETF LDG	East Tank Farm Loading	VOC	27.70	
		Acetone	16.84	
		Methyl Acetate	15.93	
		H ₂ S	0.01	
STF LDG	South Tank Farm Loading	VOC	24.00	
		Acetone	16.84	
		Methyl Acetate	15.93	
		H ₂ S	0.01	

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WTF LDG	West Tank Farm Loading	VOC	27.70	
		Acetone	16.84	
		Methyl Acetate	15.93	
		H ₂ S	0.01	
	All Tank Farm Loading	VOC		31.00
		Acetone		8.88
		Methyl Acetate		10.98
		H ₂ S		0.01
D15	Dock 15 Loading	VOC	50.25	
		Acetone	0.10	
		Methyl Acetate	0.10	
D16	Dock 16 Loading	VOC	50.25	
		Acetone	0.10	
		Methyl Acetate	0.10	
D19B	Dock 19B Loading	VOC	50.25	
		Acetone	0.10	
		Methyl Acetate	0.10	
	All Dock Loading	VOC		15.00
		Acetone		0.10
		Methyl Acetate		0.10
F1	FLARE 1	VOC	92.00	
		Acetone	12.80	
		Methyl Acetate	12.11	
		NO _x	1.62	
		CO	13.90	
		SO ₂	0.01	

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F2	FLARE 2	VOC	92.00	
		Acetone	12.80	
		Methyl Acetate	12.11	
		NO _x	1.71	
		CO	8.80	
		SO ₂	0.01	
F1 and F2	FLARE 1 and FLARE 2	VOC		7.84
		Acetone		0.41
		Methyl Acetate		0.50
		NO _x		0.14
		CO		10.80
		SO ₂		0.50
F3	FLARE 3	VOC	92.00	3.85
		Acetone	19.19	0.20
		Methyl Acetate	18.16	0.25
		NO _x	1.62	0.07
		CO	13.90	0.53
		SO ₂	0.01	0.01
F4	Marine Vapor Control Unit	VOC	92.00	4.04
		Acetone	10.92	0.51
		Methyl Acetate	3.10	0.44
		NO _x	4.74	3.54
		CO	36.65	12.80
		SO ₂	0.01	0.01
B1	BOILER 1 (25.1 MMBtu/hr)	VOC	0.14	0.59
		NO _x	0.90	3.96
		CO	2.07	9.05
		SO ₂	0.35	1.54
		PM ₁₀	0.19	0.82

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B2	BOILER 2 (25.1 MMBtu/hr)	VOC	0.14	0.59
		NO _x	0.90	3.96
		CO	2.07	9.05
		SO ₂	0.35	1.54
		PM ₁₀	0.19	0.82
B3	Hot Oil Heater (1.75 MMBtu/hr)	VOC	0.01	0.04
		NO _x	0.17	0.75
		CO	0.14	0.63
		SO ₂	0.03	0.11
		PM ₁₀	0.01	0.06
B4	Central Tank Farm Boiler (12.5 MMBtu/hr)	VOC	0.07	0.31
		NO _x	1.26	1.5
		CO	0.26	1.1
		SO ₂	0.01	0.04
		PM ₁₀	0.07	0.28
30W	TANK 30W WASTEWATER	VOC	0.14	0.17
		Acetone	0.14	0.17
		Methyl Acetate	0.14	0.17
FUG	Piping Fugitives (4)	VOC	12.71	55.68
		Acetone	0.64	2.78
		Methyl Acetate	0.64	2.78

- (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 an area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- H₂S - hydrogen sulfide
- NO_x - total oxides of nitrogen

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CO - carbon monoxide

SO₂ - sulfur dioxide

PM₁₀ - particulate matter equal to or less than 10 microns in diameter

(4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.

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

____Hrs/day ____Days/week ____Weeks/year or 8,760 Hrs/year

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

Dated December 29, 2008