

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 2427

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
**				
3-1	T307	VOC	3.27	0.45
3-2	T306	VOC	2.45	0.35
3-3	T305	VOC	2.45	0.35
4-2	Steam Boiler	VOC	0.04	0.10
		NO _x	0.67	1.72
		CO	0.56	1.45
		SO ₂	0.01	0.01
		PM ₁₀	0.05	0.13
5-3	Hot Oil Furnace (5 Burners) 23.5 MMBtu/hr Total	VOC	0.13	0.45
		NO _x	2.35	8.21
		CO	1.97	6.89
		SO ₂	0.02	0.05
		PM ₁₀	0.18	0.62
5-4	Flare	VOC	3.67	16.20
		NO _x	0.07	0.32
		CO	1.03	4.53
		SO ₂	0.01	0.01
8-7	D200	VOC	0.03	0.13
9-6	T906	AlCl ₃	<0.01	<0.01
9-7	T905	AlCl ₃	<0.01	<0.01

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			lb/hr	TPY
**				
VS-908	Absorption Scrubber	SO ₃ / Sulfuric Acid Mist	0.02	0.01
FUG	Fugitives (4)	VOC	1.00	4.40
		SO ₃ 0.07	0.29	
		Caustic	0.05	0.24
		Sulfuric Acid	0.05	0.24

- (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
 CO - carbon monoxide
 SO₂ - sulfur dioxide
 PM₁₀ - particulate matter equal to or less than 10 microns in diameter
 SO₃ - sulfur trioxide
 AlCl₃ - aluminum chloride
- (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:

_____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 August 10, 2006