

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 5835A

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
E18H2000	Thermal Oxidizer (15 MMBtu/hr) (Permit Number 6793A)	NO _x	1.35	5.91
		CO	2.40	10.51
		SO ₂	0.02	0.09
		PM 0.80	3.50	
		VOC 0.09	0.39	
		HCl	0.23	1.01
		Cl ₂ 0.05	0.22	
E18SN2004	Flare (4) (Fume Incinerator) (Permit Number 6793A)	NO _x	1.54	0.28
		CO	13.19	2.37
		SO ₂	0.14	0.01
		VOC 0.39	0.07	
		HCl	0.89	0.15
H2002	Flare	NO _x	0.06	0.28
		CO 0.55	2.41	
		SO ₂	0.01	0.06
		VOC	0.05	0.21
		Chlorine	0.01	0.01
		Phosgene	0.01	0.01
H1355	Furnace (Permit Number 1501A) (13.24 MMBtu/hr gas fired)	NO _x	0.97	4.25
		CO	0.73	3.20
		SO ₂	0.01	0.01
		PM ₁₀	0.07	0.33
		VOC	0.03	0.15
B2105	Boiler 1 (75 MMBtu/hr gas fired boiler)	NO _x	0.83	3.62
		CO	2.85	12.48
		SO ₂ 1.05	0.18	
		PM ₁₀ 0.01	0.01	
		VOC 0.26	1.13	

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
H990	Furnace (25 MMBtu/hr gas fired)	NO _x	0.90	3.94
		CO	0.90	3.94
		SO ₂	0.35	0.06
		PM ₁₀ 0.01	0.01	
		VOC 0.13	0.59	
H100	Furnace (11 MMBtu/hr gas fired)	NO _x	0.60	2.63
		CO	0.18	0.79
		SO ₂	0.14	0.31
		PM ₁₀ 0.07	0.33	
		VOC 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
 SO₂ - sulfur dioxide
 PM - particulate matter, suspended in the atmosphere, including PM₁₀
 PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
 CO - carbon monoxide
 HCl - hydrogen chloride
 Cl₂ - chlorine
- (4) Flare (Fume Incinerator - EPN E18SN2004) limited to 360 hours of operation per calendar year.

* 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

Dated June 23, 2004