

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 48623

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**
06STK_002	FCC Feed Preheater (B-2)	PM	2.65	11.62
		SO ₂	8.67	19.01
		NO _x (4)	47.03	205.97
		NO _x (5)	20.15	88.27
		CO	24.86	108.87
		VOC	1.92	8.39

- (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) 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
 VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code (30 TAC) § 101.1
 NO_x - nitrogen oxides
 SO₂ - sulfur dioxide
 CO - carbon monoxide
- (4) Emission rates prior to the heater being retrofitted with emission controls to be completed by March 1, 2007.
- (5) Emission rates after the heater is retrofitted with emission controls to be completed by March 1, 2007.

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

24 Hrs/day 8 Days/week 52 Weeks/year or 8,760 Hrs/year

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

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AIR CONTAMINANTS DATA

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

Dated November 14, 2005