

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 86719

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 **
EAW-3132X	Amine Reboiler 42.00 MMBtu/hr fired duty	CO	3.41	14.94
		NO <sub>x</sub>	1.68	7.36
		PM <sub>10</sub>	0.35	1.53
		SO <sub>2</sub>	0.03	0.12
		VOC	0.25	1.10
EBN-3005X	Hot Oil Heater 8.00 MMBtu/hr fired duty	CO	0.73	3.21
		NO <sub>x</sub>	0.87	3.82
		PM <sub>10</sub>	0.07	0.29
		SO <sub>2</sub>	0.01	0.02
		VOC	0.05	0.21
EBN-3006X	Regen Gas Heater 10.00 MMBtu/hr fired duty	CO	0.92	4.02
		NO <sub>x</sub>	1.09	4.78
		PM <sub>10</sub>	0.08	0.36
		SO <sub>2</sub>	0.01	0.03
		VOC	0.06	0.26
FZZ-3109X	Incinerator 12.40 MMBtu/hr fired duty	CO	1.13	4.96
		H <sub>2</sub> S	0.05	0.22
		NO <sub>x</sub>	1.35	5.91
		PM <sub>10</sub>	0.10	0.45
		SO <sub>2</sub>	8.95	39.20
		VOC	0.07	0.33
ESF-01X	Process Fugitives (4)	VOC	2.86	12.57

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.

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- (2) Specific point source name. For fugitive sources use area name or fugitive source name.
- (3) CO - carbon monoxide  
H<sub>2</sub>S - hydrogen sulfide  
NO<sub>x</sub> - total oxides of nitrogen  
PM<sub>10</sub> - particulate matter less than 10 microns  
SO<sub>2</sub> - sulfur dioxide  
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (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 24 Days/week 7 Weeks/year 52

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

Dated February 24, 2009