

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 8707

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**
10/11	Two 501 KB5 Allison Turbines with 1/2 Duct Burner Contribution Cogeneration (5)	PM <sub>10</sub>	0.82	3.34
		VOC	0.28	1.21
		NO <sub>x</sub>	22.00	83.22
		SO <sub>2</sub>	0.21	0.82
		CO	6.41	24.32
10/11	Two 501 KC5 Allison Turbines with 1/2 Duct Burner Contribution Fractionator (5)	PM <sub>10</sub>	0.80	3.40
		VOC	0.28	1.20
		NO <sub>x</sub>	35.94	101.51
		SO <sub>2</sub>	0.20	0.86
		CO	7.63	33.01
F6	Seminole Fractionator Fugitives (4)	VOC	0.91	3.98
F7	Carbon Dioxide Removal Unit Fugitives (4)	VOC	0.29	1.27
F8	Energy Improvement Project Fugitives (4)	VOC	1.95	8.53
FL-1	Main Flare Contribution	VOC	5.3	23.2
		NO <sub>x</sub>	2.0	8.7
		SO <sub>2</sub>	<0.1	0.1
		CO	4.0	17.4

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- (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) PM<sub>10</sub> - particulate matter (PM) 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 § 101.1  
NO<sub>x</sub> - total oxides of nitrogen  
SO<sub>2</sub> - sulfur dioxide  
CO - carbon monoxide
  - (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
  - (5) Four turbines (two 501 KB5 and two 501KC5 turbines) are ducted into one duct burner. The exhaust from the one duct burner is directed to two co-located stacks (Emission Point Nos. 10 and 11).
- \* Emission rates are based on a maximum operating schedule of 8,760 hours per year.
- \*\* Compliance with annual emission limits is based on a rolling 12-month period.

Dated August 28, 2002