

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 17380 and PSD-TX-717M2

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	
<u>TPY</u>				

#### **CASE I - 2430 HOURS FIRING NATURAL GAS**

GT-1A	Pratt and Whitney FT4C-1 25 MW Gas Turbine	NO <sub>x</sub>	64.0	78.0
		CO	235.0	286.0
		SO <sub>2</sub>	20.0	24.0
		VOC	34.0	41.0
		PM/PM <sub>10</sub>	15.0	18.0
GT-1B	Pratt and Whitney FT4C-1 25 MW Gas Turbine	NO <sub>x</sub>	64.0	78.0
		CO	235.0	286.0
		SO <sub>2</sub>	20.0	24.0
		VOC	34.0	41.0
		PM/PM <sub>10</sub>	15.0	18.0
GT-2A	Pratt and Whitney FT4C-1 25 MW Gas Turbine	NO <sub>x</sub>	64.0	78.0
		CO	235.0	286.0
		SO <sub>2</sub>	20.0	24.0
		VOC	34.0	41.0
		PM/PM <sub>10</sub>	15.0	18.0
GT-2B	Pratt and Whitney FT4C-1 25 MW Gas Turbine	NO <sub>x</sub>	64.0	78.0
		CO	235.0	286.0
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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates</u> lb/hr	
TPY				
GT-3A	Pratt and Whitney FT4C-1 25 MW Gas Turbine	NO <sub>x</sub>	64.0	78.0
		CO	235.0	286.0
		SO <sub>2</sub>	20.0	24.0
		VOC	34.0	41.0
		PM/PM <sub>10</sub>	15.0	18.0
GT-3B	Pratt and Whitney FT4C-1 25 MW Gas Turbine	NO <sub>x</sub>	64.0	78.0
		CO	235.0	286.0
		SO <sub>2</sub>	20.0	24.0
		VOC	34.0	41.0
		PM/PM <sub>10</sub>	15.0	18.0
GT-4A	Pratt and Whitney FT4C-1 25 MW Gas Turbine	NO <sub>x</sub>	64.0	78.0
		CO	235.0	286.0
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GT-4B	Pratt and Whitney FT4C-1 25 MW Gas Turbine	NO <sub>x</sub>	64.0	78.0
		CO	235.0	286.0
		SO <sub>2</sub>	20.0	24.0
		VOC	34.0	41.0
		PM/PM <sub>10</sub>	15.0	18.0

## CASE II - 670 HOURS FIRING NO. 1 FUEL OIL

GT-1A	Pratt and Whitney FT4C-1 25 MW Gas Turbine	NO <sub>x</sub>	155.0	52.0
		CO	233.0	94.0
		SO <sub>2</sub>	50.0	20.0
		VOC	5.0	2.0
		PM/PM <sub>10</sub>	45.0	18.0

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TPY				
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		CO	233.0	94.0
		SO <sub>2</sub>	50.0	20.0
		VOC	5.0	2.0
		PM/PM <sub>10</sub>	45.0	18.0
GT-2A	Pratt and Whitney FT4C-1 25 MW Gas Turbine	NO <sub>x</sub>	155.0	52.0
		CO	233.0	94.0
		SO <sub>2</sub>	50.0	20.0
		VOC	5.0	2.0
		PM/PM <sub>10</sub>	45.0	18.0
GT-2B	Pratt and Whitney FT4C-1 25 MW Gas Turbine	NO <sub>x</sub>	155.0	52.0
		CO	233.0	94.0
		SO <sub>2</sub>	50.0	20.0
		VOC	5.0	2.0
		PM/PM <sub>10</sub>	45.0	18.0
GT-3A	Pratt and Whitney FT4C-1 25 MW Gas Turbine	NO <sub>x</sub>	155.0	52.0
		CO	233.0	94.0
		SO <sub>2</sub>	50.0	20.0
		VOC	5.0	2.0
		PM/PM <sub>10</sub>	45.0	18.0
GT-3B	Pratt and Whitney FT4C-1 25 MW Gas Turbine	NO <sub>x</sub>	155.0	52.0
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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 - particulate matter suspended in the atmosphere, including PM<sub>10</sub>.  
 PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM 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

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

Hrs/day \_\_\_ Days/week \_\_\_ Weeks/year \_\_\_ or Hrs/year 670

Dated May 20, 2003