

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Nos. 38659 and PSD-TX-922

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 *	Source	Air Contaminant	Emission Rates	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
<b>Turbine Only (Hourly Limits)</b>				
CTG-1	Turbine No. 1 (GE 7241 FA Turbine)	NO <sub>x</sub>	63.0	
		CO	51.7	
		PM <sub>10</sub>	18.0	
		VOC	3.0	
		SO <sub>2</sub>	2.5	
CTG-2	Turbine No. 2 (GE 7241 FA Turbine)	NO <sub>x</sub>	63.0	
		CO	51.7	
		PM <sub>10</sub>	18.0	
		VOC	3.0	
		SO <sub>2</sub>	2.5	
CTG-3	Turbine No. 3 (GE 7241 FA Turbine)	NO <sub>x</sub>	63.0	
		CO	51.7	
		PM <sub>10</sub>	18.0	
		VOC	3.0	
		SO <sub>2</sub>	2.5	
CTG-4	Turbine No. 4 (GE 7241 FA Turbine)	NO <sub>x</sub>	63.0	
		CO	51.7	
		PM <sub>10</sub>	18.0	
		VOC	3.0	
		SO <sub>2</sub>	2.5	

## Turbine and Duct Burner (Hourly Limits)

CTG-1	Turbine/HRSG No. 1 (GE 7241 FA Turbine with	NO <sub>x</sub>	79.0
		CO	67.7

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Emission *	Source	Air Contaminant	Emission Rates	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
CTG-2	Turbine/HRSG No. 2 (GE 7241 FA Turbine with 200 MMBtu/hr Duct Burner)	PM <sub>10</sub>	20.0	
		VOC	5.0	
		SO <sub>2</sub>	2.8	
		NO <sub>x</sub>	79.0	
		CO	67.7	
		PM <sub>10</sub>	20.0	
		VOC	5.0	
		SO <sub>2</sub>	2.8	
CTG-3	Turbine/HRSG No. 3 (GE 7241 FA Turbine with 200 MMBtu/hr Duct Burner)	NO <sub>x</sub>	79.0	
		CO	67.7	
		PM <sub>10</sub>	20.0	
		VOC	5.0	
		SO <sub>2</sub>	2.8	
CTG-4	Turbine/HRSG No. 4 (GE 7241 FA Turbine with 200 MMBtu/hr Duct Burner)	NO <sub>x</sub>	79.0	
		CO	67.7	
		PM <sub>10</sub>	20.0	
		VOC	5.0	
		SO <sub>2</sub>	2.8	

**Turbine and Duct Burner (Annual Limits for each Turbine with Duct Burner)**

CTG-1 through 4	Turbine/HRSG Nos. 1-4 (GE 7241 FA Turbines with 200 MMBtu/hr Duct Burners)	NO <sub>x</sub>		284.3
		CO		236.5
		PM <sub>10</sub>	82.9	
		VOC		16.3
		SO <sub>2</sub>		10.7

**Turbine and Duct Burner (Combined Annual Limits for Four Turbines with Duct Burners)**

CTG-1 through 4	Turbine/HRSG Nos. 1-4 (GE 7241 FA Turbines with 200 MMBtu/hr Duct Burners)	NO <sub>x</sub>		1137.2
		CO		946.0
		PM <sub>10</sub>	331.4	

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		VOC		65.1
		SO <sub>2</sub>		42.7
F-1	Fugitives	VOC	0.1	0.6

(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) NO<sub>x</sub> - total oxides of nitrogen

CO - carbon monoxide

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 General Rule 101.1

SO<sub>2</sub> - sulfur dioxide

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

8,760 Hrs/year

Dated \_\_\_\_\_