

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 39842 and PSD-TX-919

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

Turbine and Duct Burner During Normal Operation

GT-HRSG No. 1	Turbine/HRSG No. 1 (168 MWe GE 7241 FA Turbine with 500 MMBtu/hr Duct Burner)	NO _x	154.0	---
		CO	80.9	---
		PM ₁₀	28.0	---
		VOC	1.6	---
		SO ₂	34.4	---
		H ₂ SO ₄	2.6	---
GT-HRSG No. 2	Turbine/HRSG No. 2 (168 MWe GE 7241 FA Turbine with 500 MMBtu/hr Duct Burner)	NO _x	154.0	---
		CO	80.9	---
		PM ₁₀	28.0	---
		VOC	1.6	---
		SO ₂	34.4	---
		H ₂ SO ₄	2.6	---

Turbine and Duct Burner During Startup, Shutdown, and Maintenance

GT-HRSG No. 1	Turbine/HRSG No. 1 (GE 7241 FA Turbine with 500 MMBtu/hr Duct Burner)	NO _x	250.0	---
		CO	600.0	---
		PM ₁₀	28.0	---
		VOC	1.6	---
		SO ₂	34.4	---
		H ₂ SO ₄	2.6	---
GT-HRSG No. 2	Turbine/HRSG No. 2 (GE 7241 FA Turbine with 500 MMBtu/hr Duct Burner)	NO _x	250.0	---
		CO	600.0	---
		PM ₁₀	28.0	---
		VOC	1.6	---
		SO ₂	34.4	---
		H ₂ SO ₄	2.6	---

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AIR CONTAMINANTS DATA

Emission	Source	Air Contaminant	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
Turbines and Duct Burners				
GT-HRSG Nos. 1 and 2	Turbine/HRSG Nos. 1 and 2 (GE 7241 FA Turbine with 500 MMBtu/hr Duct Burner)	NO _x	---	767.0
		CO	---	597.9
		PM ₁₀	---	233.9
		VOC	---	13.6
		SO ₂	---	13.6
		H ₂ SO ₄	---	2.25
Fugitives				
FUG	Piping Fugitives	VOC	0.1	0.42

(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_x - total oxides of nitrogen

CO - carbon monoxide

PM₁₀ - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM than 10 microns is emitted.

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1.

SO₂ - sulfur dioxide

H₂SO₄ - sulfuric acid

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

8,760 Hrs/year

Dated April 15, 2005