

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 79335

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**
CT21	Gas Turbine Peaking Unit 21 851 MMBtu/hr (4)	NO _x ****	69.00	---
		NO _x ***	88.71	---
		CO****	302.00	---
		CO*** 194.57	---	---
		VOC 5.49	---	---
		VOC***	1.47	---
		PM ₁₀ 10.00	---	---
		SO ₂ 0.78	---	---
		H ₂ SO ₄ 0.10	---	---
CT22	Gas Turbine Peaking Unit 22 851 MMBtu/hr (4)	NO _x ****	69.00	---
		NO _x ***	88.71	---
		CO****	302.00	---
		CO*** 194.57	---	---
		VOC 5.49	---	---
		VOC***	1.47	---
		PM ₁₀ 10.00	---	---
		SO ₂ 0.78	---	---
		H ₂ SO ₄ 0.10	---	---
CT31	Gas Turbine Peaking Unit 31 851 MMBtu/hr (4)	NO _x ****	69.00	---
		NO _x ***	88.71	---
		CO****	302.00	---
		CO*** 194.57	---	---
		VOC 5.49	---	---
		VOC***	1.47	---
		PM ₁₀ 10.00	---	---
		SO ₂ 0.78	---	---
		H ₂ SO ₄ 0.10	---	---

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
CT32	Gas Turbine Peaking Unit 32 851 MMBtu/hr (4)	NO _x ****	69.00	---
		NO _x ***	88.71	---
		CO****	302.00	---
		CO*** 194.57	---	---
		VOC 5.49	---	---
		VOC***	1.47	---
		PM ₁₀ 10.00	---	---
		SO ₂ 0.78	---	---
		H ₂ SO ₄ 0.10	---	---
CT21, CT22	4 Gas Turbine Peaking Units	NO _x	---	39.99
CT31, CT32	Unit 21, 22, 31, & 32 (5)	CO	---	95.73
		VOC ---	1.58	---
		PM ₁₀ ---	11.42	---
		SO ₂ ---	0.33	---
		H ₂ SO ₄ ---	0.04	---
NG21-32 Fug	Piping Fugitives(6)	VOC	0.02	0.08
		H ₂ S <0.01	<0.01	---
TO21	Turbine 21 Lube Oil Vent and Reservoir	VOC	0.07	0.16
		PM	0.07	0.16
TO22	Turbine 22 Lube Oil Vent and Reservoir	VOC	0.07	0.16
		PM	0.07	0.16
TO31	Turbine 31 Lube Oil Vent and Reservoir	VOC	0.07	0.16
		PM	0.07	0.16
TO32	Turbine 32 Lube Oil Vent and Reservoir	VOC	0.07	0.16
		PM	0.07	0.16

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- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
PM - particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}.
PM₁₀ - particulate matter equal to or less than 10 microns in diameter.
CO - carbon monoxide
H₂S - hydrogen sulfide
- (4) Nominal heat input rating of the unit at ambient air conditions of 59°F and an average pressure of 14.17 psia.
- (5) Annual emissions are based on 2,064 hours of operation at 100 percent base operation, plus 110 hours of startup and 110 hours of shutdown emissions for all turbines combined.
- (6) Fugitive emissions are an estimate only.

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

24 Hrs/day 7 Days/week

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

*** Emission limits during start-up, shutdown, or maintenance operations. Each period shall not exceed 3 consecutive hours.

**** Compliance with hourly emission limits is based on average emissions for each rolling three-hour period of normal operation.

Dated September 22, 2006