

Emission Sources - Maximum Allowable Emission Rates

Permit Number 20535

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, sources, and related activities. 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 (4)	
			lbs/hour	TPY (5)
GRPTURB	Maximum Combined Emissions from all Turbines and Duct Burners (EPNs 17A, 17B, 17C)	NO _x	24.00	70.40
		CO	43.02	45.73
		SO ₂	2.98	8.70
		VOC	0.42	1.20
		PM ₁₀	1.44	4.20
		PM _{2.5}	1.44	4.20
17A	58.2 MMBtu/hr Solar Taurus Gas Turbine (GT No. 4) WHB No. 8 and 12.75 MMBtu/hr Davis Duct Burner	NO _x	11.24	---
		CO	14.34	---
		SO ₂	0.99	---
		VOC	0.14	---
		PM ₁₀	0.48	---
		PM _{2.5}	0.48	---
17B	58.2 MMBtu/hr Solar Taurus Gas Turbine (GT No. 5) WHB No. 9 and 12.75 MMBtu/hr Davis Duct Burner	NO _x	11.24	---
		CO	14.34	---
		SO ₂	0.99	---
		VOC	0.14	---
		PM ₁₀	0.48	---
		PM _{2.5}	0.48	---
17C	58.2 MMBtu/hr Solar Taurus Gas Turbine (GT No. 6) WHB No. 10 and 12.75 MMBtu/hr Davis Duct Burner	NO _x	11.24	---
		CO	14.34	---
		SO ₂	0.99	---
		VOC	0.14	---
		PM ₁₀	0.48	---
		PM _{2.5}	0.48	---

Emission Sources - Maximum Allowable Emission Rates

- (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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
- (4) Emissions from startup and shutdown of the turbine and duct burners shall not exceed the shown emission rates.
- (5) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.

Date: July 16, 2014