

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 9322 and PSDTX621

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)
29	Natural Gas Fired Cogeneration Stack, (Turbine 8 and Boiler 8)	NO _x	184.96	654.81
		CO	50.50	160.87
		VOC	4.38	13.63
		SO ₂	0.10	0.27
		PM	5.34	17.15
30	Fugitive Emissions (6)	VOC	0.70	3.10

- (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) Emission rates are based on a maximum design turbine rating of 45 megawatts and the facilities are limited by the following maximum operating schedule:
 Turbine 8: 3,940 MMscf/yr
 Boiler 8: 763 MMscf/yr
 The allowable emission rates include planned startup, shutdown, and optimization.
- (5) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (6) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: April 3, 2014