

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 83550

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**
HCCT1	Combustion Turbine 1 General Electric (GE) 7EA, approx. 73.1 MW	CO	58.45	-
		CO ***	467.60	-
		NO _x	34.57	-
		NO _x ***	96.04	-
		VOC	9.35	-
		VOC ***	33.40	-
		PM ₁₀	13.94	-
		SO ₂	1.47	-
		H ₂ SO ₄	0.11	-
HCCT2	Combustion Turbine 2 General Electric (GE) 7EA, approx. 73.1 MW	CO	58.45	-
		CO ***	467.60	-
		NO _x	34.57	-
		NO _x ***	96.04	-
		VOC	9.35	-
		VOC ***	33.40	-
		PM ₁₀	13.94	-
		SO ₂	1.47	-
		H ₂ SO ₄	0.11	-

ANNUAL EMISSIONS FOR ALL COMBUSTION TURBINES

HCCT1 and HCCT2	Combustion Turbine 1 and	CO	-	99.37
		NO _x	-	45.23
	Combustion Turbine 2	VOC	-	12.79
		PM ₁₀	-	15.86
		SO ₂	-	1.67
		H ₂ SO ₄	-	0.13

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LUBVNT1	Combustion Turbine 1 Lube Vent	PM ₁₀	0.05	0.06
		VOC	0.05	0.06
LUBVNT2	Combustion Turbine 2 Lube Vent	PM ₁₀	0.05	0.06
		VOC	0.05	0.06
HCHTR1	Fuel Gas Pre-heater 1	NO _x	0.39	1.72
		CO	0.33	1.45
		VOC	0.02	0.10
		PM ₁₀	0.03	0.13
		SO ₂	< 0.01	0.01
		H ₂ SO ₄	< 0.01	< 0.01
HCHTR2	Fuel Gas Pre-heater 2	NO _x	0.39	1.72
		CO	0.33	1.45
		VOC	0.02	0.10
		PM ₁₀	0.03	0.13
		SO ₂	< 0.01	0.01
		H ₂ SO ₄	< 0.01	< 0.01

(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) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which

have been excluded from the definition of volatile organic compound.

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

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

PM₁₀ - particulate matter equal to or less than 10 microns in diameter

CO - carbon monoxide

H₂SO₄ - sulfuric acid

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(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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

Hrs/day _Days/week _Weeks/year or 8,760 Hrs/year

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

*** Start-up or shutdown emission rates

Dated: July 24, 2008