

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 42179, PSD-TX-955, and N-021

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 (Hourly Limits)				
GTG/HRSG 1	Turbine/HRSG No. 1 (Westinghouse 501F Turbine with 475 MMBtu/hr Duct Burner)	NO _x	32.1	
		CO	346.0	
		PM ₁₀	29.4	
		VOC	26.9	
		SO ₂	31.4	
		NH ₃	28.0	
		H ₂ SO ₄	4.8	
GTG/HRSG 2	Turbine/HRSG No. 2 (Westinghouse 501F Turbine with 475 MMBtu/hr Duct Burner)	NO _x	32.1	
		CO	346.0	
		PM ₁₀	29.4	
		VOC	26.9	
		SO ₂	31.4	
		NH ₃	28.0	
		H ₂ SO ₄	4.8	
GTG/HRSG 3	Turbine/HRSG No. 3 (Westinghouse 501F Turbine with 475 MMBtu/hr Duct Burner)	NO _x	32.1	
		CO	346.0	
		PM ₁₀	29.4	
		VOC	26.9	
		SO ₂	31.4	
		NH ₃	28.0	
		H ₂ SO ₄	4.8	

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
AUXBOIL1-2	Auxiliary Steam Boilers No. 1 & 2 (Rated at 430 MMBtu/hr)	NO _x	45.6	
		CO	52.4	
		PM ₁₀	15.2	
		VOC	15.2	
		SO ₂	12.46	
		H ₂ SO ₄	1.9	
AUXBOIL3	Auxiliary Steam Boiler No. 3 (Rated at 430 MMBtu/hr)	NO _x	22.8	
		CO	26.2	
		PM ₁₀	7.6	
		VOC	7.6	
		SO ₂	6.23	
		H ₂ SO ₄	0.95	
Turbines, Duct Burners, and Auxiliary Boiler s (Combined Annual Limits)				
GTG/HRSG1 - 3 and AUXBOIL1 - 3	Turbine/HRSG1-3 and Auxiliary Boilers 1- 3	NO _x **		372.0
		CO**		1377.0
		PM ₁₀ **		263.0
		VOC**		145.1
		SO ₂		31.4
		NH ₃		330.0
		H ₂ SO ₄		4.8
COOLTWR1	Cooling Tower 1	PM ₁₀	1.22	3.13
LUBEOILFUG	Lubricating Oil System Fugitives	VOC	0.097	0.42
FUELGASFUG	Fuel Gas System	VOC	0.179	0.786
NH3FUG	Ammonia Fugitives	NH ₃	0.011	0.05
OILDEMIST	Oil Mist Eliminator (All turbines)	VOC	0.024	0.12

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY

- (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 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 particulate matter greater than 10 microns is emitted.
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
SO₂ - sulfur dioxide
NH₃ - ammonia
H₂SO₄ - sulfuric acid mist

* The maximum lb/hr NO_x emission rate is based upon a rolling three-hour average concentration. The lb/hr NO_x emission rate listed above represents a maximum three-hour average pound per hour emission rate.

** NO_x, CO, and PM₁₀ emissions regulated under PSD-TX-955 permit authorization.
NO_x and VOC emissions regulated under N-021 permit authorization.

Dated August 28, 2002