

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 25738 and PSD-TX-840

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

SHORT-TERM EMISSION LIMITS

Case I: Simple Cycle Turbine - Bypass Stack (EPN 5A)

5A	Unit No. 9 Westinghouse W251B Turbine Firing Natural Gas 47 MWe	NO _x	63.0	--
		CO	14.2	--
		SO ₂	1.1	--
		VOC	4.3	--
		PM ₁₀	3.6	--
		PM	10.6	--
5A	Unit No. 9 Westinghouse W251B Turbine Firing Fuel Oil	NO _x	117.9	--
		CO	128.7	--
		SO ₂	35.3	--
		VOC	4.4	--
		PM ₁₀	26.0	--
		PM	47.0	--

Case II: Combined Cycle - HRSG Stack (EPN 5)

5	Unit No. 9 Westinghouse W251B Turbine No Duct Burner Firing Firing Natural Gas	NO _x	37.2	--
		CO	14.2	--
		SO ₂	1.1	--
		VOC	4.3	--
		PM ₁₀	3.6	--
		PM	10.6	--
		NH ₃ 9.0	--	--

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5	Unit No. 9 Westinghouse W251B Turbine No Duct Burner Firing Firing Fuel Oil	NO _x	117.9	--
		CO	128.7	--
		SO ₂	35.3	--
		VOC	4.4	--
		PM ₁₀	26.0	--
		PM	47.0	--
5	Unit No. 9 Westinghouse W251B Turbine and 60.8 MMBtu/hr Duct Burner Firing Natural Gas	NO _x	41.1	--
		CO	18.5	--
		SO ₂	1.2	--
		VOC	5.2	--
		PM ₁₀	4.1	--
		PM	11.6	--
	NH ₃	9.0	--	

LONG-TERM EMISSION LIMITS

5 and 5A (4) Combined	Unit No. 9 Westinghouse W251B Turbine and 60.8 MMBtu/hr Duct Burner	NO _x	--	174.9
		CO	--	110.3
		SO ₂	--	14.0
		VOC	--	21.5
		PM ₁₀	--	22.0
		PM	--	63.5
	NH ₃	--	39.4	

(1) Emission point identification - emission point number from a plot.

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- (2) Specific point source names. For fugitive sources use area name or fugitive source name.
- (3) NO_x - nitrogen oxides
CO - carbon monoxide
SO₂ - sulfur dioxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
PM - particulate matter, as determined by EPA Method 5, modified to include front and back-half particulate.
PM₁₀ - PM less than 10 microns in diameter as determined by EPA Method 5, front-half only.
NH₃ - ammonia
- (4) Except for VOC, long-term limits based on 720 hours/year of turbine only firing with fuel oil and 8,040 hours/year combined cycle firing with natural gas. Long-term VOC limits based on 8,760 hours/year of combined cycle firing with natural gas.
- * Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

Dated May 2, 2005