

Emission Sources - Maximum Allowable Emission Rates

Permit Number 48794

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
Operating Scenario 1: Boilers Firing Natural Gas				
1	Boiler No. 1 80 MMBtu/hr (5)	NO _x	12.5	15.7
		CO	6.6	8.2
		SO ₂	0.1	0.1
		VOC	0.4	0.5
		PM ₁₀	0.6	0.7
		PM _{2.5}	0.6	0.7
1	Boiler No. 2 80 MMBtu/hr (5)	NO _x	22.0	27.5
		CO	6.6	8.2
		SO ₂	0.1	0.1
		VOC	0.4	0.5
		PM ₁₀	0.6	0.7
		PM _{2.5}	0.6	0.7
2	Boiler No. 3 210 MMBtu/hr	NO _x	9.6	42.0
		CO	13.2	57.7
		SO ₂	0.1	0.5
		VOC	1.1	5.0
		PM ₁₀	1.6	6.9
		PM _{2.5}	1.6	6.9

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3	Boiler No. 7 634 MMBtu/hr	NO _x	32.0	140.2
		CO	39.8	174.3
		SO ₂	0.4	1.6
		VOC	3.4	15.0
		PM ₁₀	4.7	20.7
		PM _{2.5}	4.7	20.7
Operating Scenario 2: Boiler 3 and /or Boiler 7 Firing No. 2 Fuel Oil				
2	Boiler No. 3 160 MMBtu/hr (6)	NO _x	25.6	9.2
		CO	5.6	2.0
		SO ₂	48.7	17.5
		VOC	0.9	0.3
		PM ₁₀	1.1	0.4
		PM _{2.5}	0.3	0.1
3	Boiler No. 7 534 MMBtu/hr (6)	NO _x	85.4	30.7
		CO	18.8	6.8
		SO ₂	162.5	58.5
		VOC	2.9	1
		PM ₁₀	3.8	1.4
		PM _{2.5}	1.0	0.3

- (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

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- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period. Emission rates in the table include startup and shutdown activities.
- (5) Operation is limited to 200,000 MMBtu of heat input per year.
- (6) Fuel oil firing is limited to 720 hours per year and includes testing of the oil guns (readiness testing for the oil firing system).

Date: November 26, 2013