

Emission Sources - Maximum Allowable Emission Rates

Permit Number 101432

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	
			lbs/hour	TPY (4)
336-04-STB	Biomass Boiler (5)	CO	18.51	75.31
		NO _x	9.525	38.75
		PM	1.791	7.29
		PM ₁₀	1.791	7.29
		PM _{2.5}	1.791	7.29
		SO ₂	0.953	3.88
		VOC	0.648	2.64
		Pb	0.002	0.007
		HCl	0.838	3.41
		Hg	<0.001	<0.001
336-04-STB	Biomass Boiler Startup (6)	PM	3.01	-
		PM ₁₀	3.01	-
		PM _{2.5}	3.01	-
		Pb	0.005	-
		Hg	<0.001	-

(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

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PM _{2.5}	- particulate matter equal to or less than 2.5 microns in diameter
CO	- carbon monoxide
Pb	lead
HCl	hydrogen chloride
Hg	mercury

(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.

(5) Hourly emissions (except PM, Pb, and Hg) and annual emissions rates include Biomass Boiler MSS emission rates.

(6) Hourly emissions from the Biomass Boiler while the electrostatic precipitator is in start-up mode.

Date: June 14, 2013