

Emission Sources - Maximum Allowable Emission Rates

Permit Number 101

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	
			lb/hr	TPY (4)
DB-901A	No. 1 Olefins Unit Steam Boiler (5)	NO _x	89.1	285.80
		CO	17.10	57.05
		VOC	3.05	5.63
		PM	4.62	15.42
		PM ₁₀	4.62	15.42
		PM _{2.5}	4.62	15.42
		SO ₂	10.75	28.24
DDB901A	No. 2 Olefins Unit Steam Boiler (5)	NO _x	77.7	308.35
		CO	14.4	57.05
		VOC	2.7	10.87
		PM	3.8	15.42
		PM ₁₀	3.8	15.42
		PM _{2.5}	3.8	15.42
		SO ₂	9.4	28.24
DB-901A and DDB901A	Combined Annual Emission Rate Landfill Gas (6)	SO ₂	-	10.00

(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) NO_x - total oxides of nitrogen
CO - carbon monoxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
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
SO₂ - sulfur dioxide

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

(5) Emission rates include startup and shutdown emissions.

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(6) The emission rate is an annual cap for the firing of landfill gas and includes both boilers.

Date: August 24, 2020