Emission Sources - Maximum Allowable Emission Rates

Permit Number 159900

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 (5)	
			lbs/hour	TPY (4)
RTO	Biosolids Dryer Train RTO Stack (55 MMBtu/hr [Dryer] and 2 MMBtu/hr [RTO]) (Natural Gas and Biogas)	PM	2.72	11.90
		PM_{10}	2.72	11.90
		$PM_{2.5}$	2.72	11.90
		CO	5.95	26.06
		NO_x	3.91	17.12
		SO_2	1.36	5.96
		VOC	0.72	3.15
		NH_3	1.27	5.57
		Pb	<0.01	<0.01
SCRUBBER	Scrubber Stack	PM	0.29	1.28
		PM_{10}	0.29	1.28
		$PM_{2.5}$	0.29	1.28
		H_2S	0.08	0.34
		NH_3	0.41	1.79

(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
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - 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
NH_3 - ammonia
Pb - lead
H_2S - hydrogen sulfide
(4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
(5) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Date: September 8, 2023