

Emission Sources - Maximum Allowable Emission Rates

Permit Number 40803 and PSDTX935

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)
S-5	Combustion Turbine (Simple Cycle)	NO _x **	31.63	134.40 (5)
		CO**	53.51	227.33 (5)
		VOC	5.18	21.99 (5)
		SO ₂ **	12.3	52.3 (5)
		PM/PM ₁₀ **	8.62	36.62 (5)
S-5	Combustion Turbine (Simple Cycle) Hourly MSS (6)	NO _x	105.49	-
		CO	182.27	-
		VOC	17.64	-
		SO ₂	12.30	-
		PM/PM ₁₀	8.62	-
MSSFUG	ILE Planned MSS Related Fugitives	NO _x	0.01	<0.01
		CO	<0.01	<0.01
		VOC	0.585	0.01
		PM	0.47	0.02
		PM ₁₀	0.43	<0.01
		PM _{2.5}	0.06	<0.01

(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

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

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

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- (5) The tpy emission limit specified in the MAERT for this facility includes emissions from the EPN S-5 during both normal operations and planned MSS activities.
- (6) During any clock hour that includes one or more minutes of planned MSS that pollutant's MSS hourly emission rate shall apply during that clock hour.

*Emission rates are based on an operating schedule of 8,760 hours/year.

**Emissions regulated under Permit No. PSDTX935 authorization.

Date: November 14, 2019