

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 18049 and PSDTX725

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. 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)
305COGEN	47.4 MW Gas Turbine	NO _x	80.0	--
		CO	11.0	--
		VOC	5.0	--
		PM	2.5	--
		PM ₁₀	2.5	--
		PM _{2.5}	2.5	--
		SO ₂	2.9	--
305COGEN	Duct Burners	NO _x	9.57	--
		CO	10.20	--
		VOC	3.19	--
		PM	1.75	--
		PM ₁₀	1.75	--
		PM _{2.5}	1.75	--
		SO ₂	0.04	--
305COGEN	Emission Cap	NO _x	--	388.51
		CO	--	88.9
		VOC	--	34.6
		PM	--	18.0
		PM ₁₀	--	18.0
		PM _{2.5}	--	18.0
		SO ₂	--	12.9
310B12	Power Boiler No. 12 (5)	NO _x	32.70	143.3

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		CO	44.80	196.3
		VOC	2.94	12.9
		PM	4.06	17.8
		PM ₁₀	4.06	17.8
		PM _{2.5}	4.06	17.8
		SO ₂	21.30	5.61
310B24	Boiler No. 24 – Routine Operations	NO _x	5.23	--
		CO	22.42	--
		VOC	2.82	--
		PM	3.89	--
		PM ₁₀	3.89	--
		PM _{2.5}	3.89	--
		SO ₂	6.38	--
		NH ₃	2.72	--
310B24	Boiler No. 24 - MSS	NO _x	12.92	--
		CO	60.71	--
		VOC	0.70	--
		PM	0.96	--
		PM ₁₀	0.96	--
		PM _{2.5}	0.96	--
		SO ₂	0.52	--
		NH ₃	0.74	--
310B24	Boiler No. 24 – Combined Routine Operations and MSS	NO _x	--	20.94
		CO	--	90.46
		VOC	--	10.75
		PM	--	14.85

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		PM ₁₀	--	14.85
		PM _{2.5}	--	14.85
		SO ₂	--	15.89
		NH ₃	--	10.38
B24FUG	Ammonia Fugitives	NH ₃	0.01	0.01

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an 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 - particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
 PM₁₀ - 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
 NH₃ - ammonia
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period. Emission rates are based on and the facilities are limited by the following maximum operating schedule:
 __Hrs/day __Days/week __Weeks/year or 8,760 Hrs/year
- (5) Power Boiler No. 12, EPN 310B12, shall no longer be authorized to operate upon the completion of the time period specified in 30 TAC 116.12(22)(D) for the initial start-up of Boiler No. 24 (EPN 310B24).

Date: November 21, 2023