

Emission Sources - Maximum Allowable Emission Rates

Permit Number 22113 and PSDTX824

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)
61	Three Solar T-4700S Combustion Turbines Equipment Nos. 125GE14001; 125GE14002; 125GE14003 (5)	NO _x	23.79	-
		CO	17.22	-
		SO ₂	2.14	-
		PM	0.93	-
		PM ₁₀	0.93	-
		PM _{2.5}	0.93	-
		VOC	1.00	-
61A	T-4700S Combustion Turbines Equipment Nos. 125GE14001 (5)	NO _x	7.93	-
		CO	5.74	-
		SO ₂	0.71	-
		PM	0.31	-
		PM ₁₀	0.31	-
		PM _{2.5}	0.31	-
		VOC	0.33	-

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61B	T-4700S Combustion Turbines Equipment Nos. 125GE14002 (5)	NO _x	7.93	-
		CO	5.74	-
		SO ₂	0.71	-
		PM	0.31	-
		PM ₁₀	0.31	-
		PM _{2.5}	0.31	-
		VOC	0.33	-
61C	T-4700S Combustion Turbines Equipment Nos. 125GE14003 (5)	NO _x	7.93	-
		CO	5.74	-
		SO ₂	0.71	-
		PM	0.31	-
		PM ₁₀	0.31	-
		PM _{2.5}	0.31	-
		VOC	0.33	-
61, 61A, 61B and 61C	Three Solar T-4700S Combustion Turbines Equipment Nos. 125GE14001; 125GE14002; 125GE14003 (5)	NO _x	-	89.61
		CO	-	65.31
		SO ₂	-	0.82
		PM	-	3.56
		PM ₁₀	-	3.56
		PM _{2.5}	-	3.56
		VOC	-	3.73
F60	COGEN III Unit process fugitives	VOC	0.12	0.54

- (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

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SO ₂	- sulfur dioxide
PM	- total particulate matter, suspended in the atmosphere, including PM ₁₀ and PM _{2.5}
PM ₁₀	- total particulate matter equal to or less than 10 microns in diameter, including PM _{2.5}
PM _{2.5}	- particulate matter equal to or less than 2.5 microns in diameter
CO	- carbon monoxide

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

(5) Annual emissions for all EPNs (61, 61A, 61B, and 61C) will not exceed the annual emissions limits for EPN 61. When EPNs 61A, 61B, and 61C emit the exhaust from the associated combustion turbine the exhaust will not be flowing to the unfired HRU (EPN 61).

Date: October 23, 2014