

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 22114 and PSDTX823

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)
64/64A	Solar Taurus Turbine exhausting thru an unfired HRU stack 64 or bypassing the HRU thru stack 64A	NO _x	5.03	19.45
		CO	5.10	20.03
		CO (7)	24.90	
		SO ₂	1.28	0.49
		PM	0.56	2.15
		PM ₁₀ /	0.56	2.15
		PM _{2.5}	0.56	2.15
		VOC	1.47	2.85
F63	Splitter IV (52024 Unit) Area Fugitives (5)	VOC	0.92	4.01
66	Water Sumps	VOC	0.02	0.01
CT-06	Cooling Tower (5)	PM	0.63	2.76
		PM ₁₀	0.63	2.76
		PM _{2.5}	0.63	2.76
		VOC (6)	7.21	3.16
		propylene	7.21	3.16

(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

SO₂ - sulfur dioxide

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

CO - carbon monoxide

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

(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

(6) The actual VOC emission rate may include up to 100 percent propylene or a combination of propylene and other non-HRVOCs as long as the total VOC allowable emission rate is not exceeded.

(7) Increased allowable emission rate during the turbine startup, shutdown or water wash.

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Date: September 30, 2019