

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 8707 and PSDTX655M1

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)
10, 10A and 10B	601 Turbine, 602 Turbine, and Fired HRU exhausting thru combined stack 10 and each turbines HRU bypass stacks 10A and 10B	NO _x	26.89	109.21
		CO	12.92	51.21
		CO (6)	24.58	
		SO ₂	3.81	8.10
		PM	1.66	6.08
		PM ₁₀	1.66	6.08
		PM _{2.5}	1.66	6.08
		VOC	1.02	3.64
F678	42FUG, 57FUG and 84FUG Fugitive Areas (Seminole Fractionator Unit and West Texas Farm Fugitives)	VOC (5)	2.89	12.65
		VOC (MSS)	3.82	0.01
F8A	Seminole Cooling Tower (5)	PM	1.16	5.08
		PM ₁₀	1.16	5.08
		PM _{2.5}	1.16	5.08
		VOC	13.21	5.79
CCT-601	12601 Inlet Chiller Evaporative Cooler	PM ₁₀	0.002	0.007
		PM _{2.5}	0.002	0.007
CCT-602	12602 Inlet Chiller Evaporative Cooler	PM ₁₀	0.002	0.007
		PM _{2.5}	0.002	0.007

(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

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- 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
 - 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) Increased allowable rate during turbine startups, shutdowns and water wash.

Date: August 31, 2021