

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 102294 and PSDTX1290

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 (4)	TPY (5)
GT-1	Combustion Turbine 1	NO _x	7.86	24.08
		NO _x (SS)	18.51	-
		CO	11.48	36.85
		CO (SS)	31.08	-
		VOC	2.19	5.48
		PM/PM ₁₀ /PM _{2.5}	6.00	15.00
		SO ₂	0.60	1.50
		NH ₃	6.70	16.75
		H ₂ SO ₄	0.05	0.12
GT-2	Combustion Turbine 2	NO _x	7.86	24.08
		NO _x (SS)	18.51	-
		CO	11.48	36.85
		CO (SS)	31.08	-
		VOC	2.19	5.48
		PM/PM ₁₀ /PM _{2.5}	6.00	15.00
		SO ₂	0.60	1.50
		NH ₃	6.70	16.75
		H ₂ SO ₄	0.05	0.12
GT-3	Combustion Turbine 3	NO _x	7.86	24.08
		NO _x (SS)	18.51	-

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		CO	11.48	36.85
		CO (SS)	31.08	-
		VOC	2.19	5.48
		PM/PM ₁₀ /PM _{2.5}	6.00	15.00
		SO ₂	0.60	1.50
		NH ₃	6.70	16.75
		H ₂ SO ₄	0.05	0.12
GT-4	Combustion Turbine 4	NO _x	7.86	24.08
		NO _x (SS)	18.51	-
		CO	11.48	36.85
		CO (SS)	31.08	-
		VOC	2.19	5.48
		PM/PM ₁₀ /PM _{2.5}	6.00	15.00
		SO ₂	0.60	1.50
		NH ₃	6.70	16.75
		H ₂ SO ₄	0.05	0.12
CT-1	Cooling Tower 1 (4 cells)	PM	0.31	0.78
		PM ₁₀	0.10	0.25
		PM _{2.5}	<0.01	<0.01
CT-2	Cooling Tower 2 (4 cells)	PM	0.31	0.78
		PM ₁₀	0.10	0.25
		PM _{2.5}	<0.01	<0.01
FWP-1	Firewater Pump Engine	NO _x	2.04	0.05
		CO	0.48	0.01
		VOC	0.05	0.01

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		PM/PM ₁₀ /PM _{2.5}	0.08	0.01
		SO ₂	0.67	0.02
NH3-FUG	Ammonia Fugitives (6)	NH ₃	<0.01	0.02
DIESEL	Diesel Storage Tank	VOC	0.02	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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 NO_x - total oxides of nitrogen
 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
 CO - carbon monoxide
 NH₃ - ammonia
 H₂SO₄ - sulfuric acid mist
- (4) Planned startup and shutdown (SS) lbs/hour emissions for all pollutants are authorized even if not specifically identified as SS. During any clock hour that includes one or more minutes of planned SS, that pollutant's maximum hourly emission rate shall apply during that clock hour.
- (5) Compliance with annual emission rates is based on a 12-month rolling period. Annual emission rates for each source include planned SS emissions.
- (6) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: _____