

Sources - Maximum Allowable Emission Rates

Permit Number 37391 and PSDTX897

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)
GT-HRSG#1	Turbine/HRSG#1 (5) Natural Gas	NO _x	147.0	613.2
		NO _x MSS	320.0	
		CO	106.0	446.8
		CO MSS	2230.0	
		VOC	16.2	70.1
		VOC MSS	350.0	
		PM	23.5	102.9
		PM ₁₀	22.4	98.1
		PM _{2.5}	22.4	98.1
		SO ₂	13.4	55.6
GT-HRSG#2	Turbine/HRSG#2 (5) Natural Gas	NO _x	147.0	613.2
		NO _x MSS	320.0	
		CO	106.0	446.8
		CO MSS	2230.0	
		VOC	16.2	70.1
		VOC MSS	350.0	
		PM	23.5	102.9
		PM ₁₀	22.4	98.1
		PM _{2.5}	22.4	98.1
		SO ₂	13.4	55.6
GT-HRSG#3	Turbine/HRSG#3 (5) Natural Gas	NO _x	147.0	613.2
		NO _x MSS	320.0	
		CO	106.0	446.8
		CO MSS	2230.0	

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		VOC	16.2	70.1
		VOC MSS	350.0	
		PM	23.5	102.9
		PM ₁₀	22.4	98.1
		PM _{2.5}	22.4	98.1
		SO ₂	13.4	55.6
GT-HRSG#1	Turbine/HRSG#1(5) Fuel Oil	NO _x	379.0	129.6
		CO	150.5	52.74
		CO MSS	2230.0	
		VOC	27.3	9.65
		VOC MSS	350.0	
		PM	49.5	17.82
		PM ₁₀	48.4	17.42
		PM _{2.5}	48.4	17.42
		SO ₂	106.5	36.3
GT-HRSG#2	Turbine/HRSG#2 (5) Fuel Oil	NO _x	379.0	129.6
		CO	150.5	52.74
		CO MSS	2230.0	
		VOC	27.3	9.65
		VOC MSS	350.0	
		PM	49.5	17.82
		PM ₁₀	48.4	17.42
		PM _{2.5}	48.4	17.42
		SO ₂	106.5	36.3
GT-HRSG#3	Turbine/HRSG#3 (5) Fuel Oil	NO _x	379.0	129.6
		CO	150.5	52.74
		CO MSS	2230.0	
		VOC	27.3	9.65
		VOC MSS	350.0	
		PM	49.5	17.82

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		PM ₁₀	48.4	17.42
		PM _{2.5}	48.4	17.42
		SO ₂	106.5	36.3
OIL-TK	Fuel Oil Tank	VOC	5.2	1.1
FUG	Fugitives (6)	VOC	0.8	3.5

- (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) NO_x - total oxides of nitrogen
- CO - carbon monoxide
- VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}
- PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM₂.
- PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
- SO₂ - sulfur dioxide
- MSS - maintenance, startup, and shutdown
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Planned MSS, tuning events, grid swaps, and black start testing emissions for all pollutants are authorized even if not specifically identified as MSS. During any clock hour that includes one or more minutes of planned MSS, that pollutant's MSS hourly emission rate, if applicable, shall apply during that clock hour.
- (6) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: March 14, 2018