

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 109148 and PSDTX1358M1

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)
TURB1	Turbine 1 GE 7F5 202 MW	NO _x	64	141.0
		NO _x (MSS)	68.3	
		CO	32	260.2
		CO (MSS)	338.7	
		VOC	3	31.24
		VOC (MSS)	45.3	
		PM	9.3	21.26
		PM ₁₀	9.3	21.26
		PM _{2.5}	9.3	21.26
		SO ₂	11.10	12.42
TURB2	Turbine 2 GE 7F5 202 MW	NO _x	64	141.0
		NO _x (MSS)	68.3	
		CO	32	260.2
		CO (MSS)	338.7	
		VOC	3	31.24
		VOC (MSS)	45.3	
		PM	9.3	21.26
		PM ₁₀	9.3	21.26
		PM _{2.5}	9.3	21.26
		SO ₂	11.10	12.42
TURB3	Turbine 3 GE 7F5 202 MW	NO _x	64	141.0
		NO _x (MSS)	68.3	
		CO	32	260.2
		CO (MSS)	338.7	
		VOC	3	31.24
		VOC (MSS)	45.3	
		PM	9.3	21.26
		PM ₁₀	9.3	21.26
		PM _{2.5}	9.3	21.26
		SO ₂	11.10	12.42

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NGHEATR2	Fuel Gas Heater 2 (6)	NO _x	0.19	0.43
		CO	0.45	1.03
		VOC	0.030	0.069
		PM	0.041	0.094
		PM ₁₀	0.041	0.094
		PM _{2.5}	0.041	0.094
		SO ₂	0.0308	0.035
NGHEATR2A	Fuel Gas Heater 2A (6)	NO _x	0.19	0.43
		CO	0.45	1.03
		VOC	0.030	0.069
		PM	0.041	0.094
		PM ₁₀	0.041	0.094
		PM _{2.5}	0.041	0.094
		SO ₂	0.0308	0.035
NGHEATR3	Fuel Gas Heater 3 (6)	NO _x	0.19	0.43
		CO	0.45	1.03
		VOC	0.030	0.069
		PM	0.041	0.094
		PM ₁₀	0.041	0.094
		PM _{2.5}	0.041	0.094
		SO ₂	0.0308	0.035
NG-FUG	Natural Gas Fugitives (5)	VOC	0.11	0.50
EMERGEN	Diesel Emergency Generator (6)	NO _x	21.88	1.09
		CO	12.64	0.63
		VOC	1.46	0.070
		PM	0.73	0.037
		PM ₁₀	0.73	0.037
		PM _{2.5}	0.73	0.037
		SO ₂	0.53	0.027
EMERGEN2	Diesel Emergency Generator 2 (6)	NO _x	21.88	1.09
		CO	12.64	0.63
		VOC	1.46	0.070
		PM	0.73	0.037
		PM ₁₀	0.73	0.037
		PM _{2.5}	0.73	0.037
		SO ₂	0.53	0.027

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EMERGEN3	Diesel Emergency Generator 3 (6)	NO _x	21.88	1.09
		CO	12.64	0.63
		VOC	1.46	0.070
		PM	0.73	0.037
		PM ₁₀	0.73	0.037
		PM _{2.5}	0.73	0.037
		SO ₂	0.53	0.027
LUBE-FUG	Lube Oil Fugitives (5)	VOC	0.094	0.41
		PM	0.002	0.01
		PM ₁₀	0.002	0.01
		PM _{2.5}	0.002	0.01
LUBE-FUG2	Lube Oil Fugitives 2 (5)	VOC	0.094	0.41
		PM	0.002	0.01
		PM ₁₀	0.002	0.01
		PM _{2.5}	0.002	0.01
LUBE-FUG3	Lube Oil Fugitives 3 (5)	VOC	0.094	0.41
		PM	0.002	0.01
		PM ₁₀	0.002	0.01
		PM _{2.5}	0.002	0.01
DIES-TANK	Diesel Tank (6)	VOC	0.027	0.001
DIES-TANK2	Diesel Tank 2 (6)	VOC	0.027	0.001
DIES-TANK3	Diesel Tank 3 (6)	VOC	0.027	0.001

- (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
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period. Annual emission limits include planned maintenance, startup, and shutdown (MSS) activities.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) Emission rates include planned MSS activities.

Date: November 10, 2023