

Emission Sources - Maximum Allowable Emission Rates

Permit Number 129329

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)
CTG.03-1	GE 7FA.03 Turbine 1 (5) (Option 1)	CO	32.00	83.42
		CO (SS)	173.33	
		NO _x	63.00	79.54
		NO _x (SS)	67.00	
		PM	8.20	11.97
		PM ₁₀	8.20	11.97
		PM _{2.5}	8.20	11.97
		SO ₂	1.17	1.71
		VOC	3.10	7.41
		VOC (SS)	15.07	
		H ₂ SO ₄	0.08	0.12
CTG.03-2	GE 7FA.03 Turbine 2 (5) (Option 1)	CO	32.00	83.42
		CO (SS)	173.33	
		NO _x	63.00	79.54
		NO _x (SS)	67.00	
		PM	8.20	11.97
		PM ₁₀	8.20	11.97
		PM _{2.5}	8.20	11.97
		SO ₂	1.17	1.71
		VOC	3.10	7.41
		VOC (SS)	15.07	
		H ₂ SO ₄	0.08	0.12
CTG.05-1	GE 7FA.05 Turbine 1 (5)	CO	35.00	122.61

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		CO (SS)	335.33	
		NO _x	72.00	90.00
		NO _x (SS)	74.00	
		PM	7.01	10.23
		PM ₁₀	7.01	10.23
		PM _{2.5}	7.01	10.23
		SO ₂	0.92	1.34
		VOC	3.43	20.31
		VOC (SS)	71.29	
		H ₂ SO ₄	0.10	0.15
CTG.05-2	GE 7FA.05 Turbine 2 (5) (Option 2)	CO	35.00	122.61
		CO (SS)	335.33	
		NO _x	72.00	90.00
		NO _x (SS)	74.00	
		PM	7.01	10.23
		PM ₁₀	7.01	10.23
		PM _{2.5}	7.01	10.23
		SO ₂	0.92	1.34
		VOC	3.43	20.31
		VOC (SS)	71.29	
		H ₂ SO ₄	0.10	0.15
CTSF5-1	Siemens F5ee Turbine 1 (5) (Option 3)	CO	28.00	104.69
		CO (SS)	378.47	
		NO _x	75.00	96.18
		NO _x (SS)	84.96	
		PM	9.00	13.60
		PM ₁₀	9.00	13.60
		PM _{2.5}	9.00	13.60
		SO ₂	1.38	2.09

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		VOC	3.00	11.98
		VOC (SS)	44.39	
		H ₂ SO ₄	0.10	0.15
CTSF5-2	Siemens F5ee Turbine 2 (5) (Option 3)	CO	28.00	104.69
		CO (SS)	378.47	
		NO _x	75.00	96.18
		NO _x (SS)	84.96	
		PM	9.00	13.60
		PM ₁₀	9.00	13.60
		PM _{2.5}	9.00	13.60
		SO ₂	1.38	2.09
		VOC	3.00	11.98
		VOC (SS)	44.39	
		H ₂ SO ₄	0.10	0.15
FWP-01	Fire Water Pump	CO	1.43	0.07
		NO _x	1.07	0.05
		PM	0.06	<0.01
		PM ₁₀	0.06	<0.01
		PM _{2.5}	0.06	<0.01
		SO ₂	<0.01	<0.01
		VOC	0.09	<0.01
EGEN-01	Emergency Generator	CO	2.21	0.11
		NO _x	2.36	0.12
		PM	0.13	<0.01
		PM ₁₀	0.13	<0.01
		PM _{2.5}	0.13	<0.01
		SO ₂	<0.01	<0.01
		VOC	0.19	0.01
HTR-01	Natural Gas-Fired	CO	0.18	0.46

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		NO _x	0.05	0.12
		PM	0.03	0.08
		PM ₁₀	0.03	0.08
		PM _{2.5}	0.03	0.08
		SO ₂	<0.01	0.01
		VOC	0.09	0.23
HTR-02	Natural Gas-Fired Heater	CO	0.18	0.46
		NO _x	0.05	0.12
		PM	0.03	0.08
		PM ₁₀	0.03	0.08
		PM _{2.5}	0.03	0.08
		SO ₂	<0.01	0.01
		VOC	0.09	0.23
TK-01	Diesel Tank FWP	VOC	0.01	<0.01
TK-02	Diesel Tank EGEN	VOC	0.01	<0.01
FUG	Fugitives (6)	VOC	0.05	0.22
LOV1	Lube Oil Vent GE7FA.03 or GE7FA.05	VOC	0.09	0.40
	Lube Oil Vent Siemens F5ee	VOC	0.10	0.44
LOV2	Lube Oil Vent GE7FA.03 or GE7FA.05	VOC	0.09	0.40
	Lube Oil Vent Siemens F5ee	VOC	0.10	0.44
MMA1	Miscellaneous Maintenance Activities GE.03/GE.05 Turbines (5), (6)	CO	<0.01	<0.01
		NO _x	<0.01	<0.01
		PM	0.12	0.01
		PM ₁₀	0.12	0.01
		PM _{2.5}	0.12	0.01
		VOC	1.60	0.02

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	Miscellaneous Maintenance Activities Siemens Turbines (5), (6)	CO	<0.01	<0.01
		NO _x	<0.01	<0.01
		PM	0.13	0.01
		PM ₁₀	0.13	0.01
		PM _{2.5}	0.13	0.01
		VOC	1.65	0.02
MMA2	Miscellaneous Maintenance Activities GE.03/GE.05 Turbines (5), (6)	CO	<0.01	<0.01
		NO _x	<0.01	<0.01
		PM	0.12	0.01
		PM ₁₀	0.12	0.01
		PM _{2.5}	0.12	0.01
		VOC	1.60	0.02
	Miscellaneous Maintenance Activities Siemens Turbines (5), (6)	CO	<0.01	<0.01
		NO _x	<0.01	<0.01
		PM	0.13	0.01
		PM ₁₀	0.13	0.01
		PM _{2.5}	0.13	0.01
		VOC	1.65	0.02

- (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}
- PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}
- PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
- CO - carbon monoxide
- H₂SO₄ - sulfuric acid mist
- SS - start-up or shutdown
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Planned maintenance, startup, and shutdown (MSS) lbs/hour emissions for all pollutants are authorized even if not specifically identified as MSS.
- (6) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

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Date: October 9, 2015