

Emission Sources - Maximum Allowable Emission Rates

Permit Number 138152

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)
TRB1	Turbine 1 – GE 7FA (5)	NO _x	41.65	-
		NO _x (MSS)	51.48	-
		CO	45.64	-
		CO (MSS)	334.07	-
		VOC	3.48	-
		VOC (MSS)	70.14	-
		PM	6.80	-
		PM ₁₀	6.80	-
		PM _{2.5}	6.80	-
		SO ₂	2.17	-
		H ₂ SO ₄	<0.01	-
		HAPS	2.32	-
TRB2	Turbine 2 – GE 7FA (5)	NO _x	41.65	-
		NO _x (MSS)	51.48	-
		CO	45.64	-
		CO (MSS)	334.07	-
		VOC	3.48	-
		VOC (MSS)	70.14	-
		PM	6.80	-
		PM ₁₀	6.80	-
		PM _{2.5}	6.80	-
		SO ₂	2.17	-
		H ₂ SO ₄	<0.01	-
		HAPS	2.32	-

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TRB1 TRB2	Turbine 1 and 2 Annual Emission Rates	NO _x	-	98.70
		CO	-	184.78
		VOC	-	23.60
		PM	-	15.66
		PM ₁₀	-	15.66
		PM _{2.5}	-	15.66
		SO ₂	-	4.18
		H ₂ SO ₄	-	<0.01
		HAPS	-	5.69
EMGEN	Emergency Generator	NO _x	13.38	0.67
		CO	7.72	0.39
		VOC	0.73	0.04
		PM	0.44	0.02
		PM ₁₀	0.44	0.02
		PM _{2.5}	0.44	0.02
		SO ₂	0.02	<0.01
		HAPS	0.01	<0.01
FWP	Firewater Pump	NO _x	1.48	0.07
		CO	0.47	0.02
		VOC	0.04	<0.01
		PM	0.05	<0.01
		PM ₁₀	0.05	<0.01
		PM _{2.5}	0.05	<0.01
		SO ₂	<0.01	<0.01
		HAPS	0.01	<0.01
FUG	Fugitive Emission (6)	VOC	1.32	5.79
MSSFUG	Maintenance Activities (6)	NO _x	<0.01	<0.01
		CO	<0.01	<0.01
		VOC	0.33	<0.01

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		PM	0.13	0.02
		PM ₁₀	0.13	0.02
		PM _{2.5}	0.13	0.02
		HAPS	0.33	<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) 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 PM_{2.5}
PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
SO₂ - sulfur dioxide
H₂SO₄ - sulfuric acid
HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Planned maintenance, startup and shutdown (MSS) 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 maximum hourly emission rate 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: February 26, 2018