

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 9664 and PSDTX662M1

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)
DC-CTS1, DC-CTS2, DC-CTS3, and DC-CTS4	GE MS7001EA Combustion Turbines 1, 2, 3, and 4 Emission rates shown apply to each individual turbine. (5)	Gas or Oil Firing (6)	NO _x	404	1,212
			CO	23.0	69.0
		Gas Firing (6)	SO ₂	16.3	48.9
			PM	20.6	61.8
			VOC	9.3	27.9
		Oil Firing (6)	SO ₂	559	1,677
			PM	56.3	169
			VOC	9.4	28.2
		Gas or Oil Firing Hourly MSS (7)	CO	250	---
			VOC	101	---
DC-CTS1-4	Four Combustion Turbines Total Combined Emission Limits (5)	Gas or Oil Firing	NO _x	1,616	1,212
		Gas Firing	SO ₂	65.2	48.9
			PM	82.4	61.8
		Oil Firing	SO ₂	2,236	1,677
			PM	225.2	169
DC-EDGS	2,113 Horsepower Emergency Diesel Generator (5)		NO _x	44.6	2.23
			CO	11.6	0.58
			SO ₂	0.85	0.04
			PM	1.48	0.07
			VOC	1.36	0.07
MSS-FUG	Planned MSS Sources (5), (8)		VOC	22.5	0.33
			PM	<0.01	<0.01
			PM ₁₀	<0.01	<0.01
			PM _{2.5}	<0.01	<0.01
DC-LOV1	Lube Oil Vent, Turbine 1		VOC	<0.01	0.02
			PM	<0.01	0.02
			PM ₁₀	<0.01	0.02
			PM _{2.5}	<0.01	0.02
DC-LOV2	Lube Oil Vent, Turbine 2		VOC	<0.01	0.02
			PM	<0.01	0.02
			PM ₁₀	<0.01	0.02

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		PM _{2.5}	<0.01	0.02
DC-LOV3	Lube Oil Vent, Turbine 3	VOC	<0.01	0.02
		PM	<0.01	0.02
		PM ₁₀	<0.01	0.02
		PM _{2.5}	<0.01	0.02
DC-LOV4	Lube Oil Vent, Turbine 4	VOC	<0.01	0.02
		PM	<0.01	0.02
		PM ₁₀	<0.01	0.02
		PM _{2.5}	<0.01	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) NO_x - total oxides of nitrogen
CO - carbon monoxide
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} - total particulate matter equal to or less than 2.5 microns in diameter
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (4) Compliance with combustion turbine annual emission rates is based on a calendar year. Compliance with the Emergency Diesel Generator and planned fugitive maintenance, startup, and shutdown (MSS) sources' annual emission rates is based on a 12-month rolling period. Annual emission rates for each source include planned MSS emissions.
- (5) The combustion turbines have undergone Prevention of Significant Deterioration (PSD) review for emissions of NO_x, SO₂, and PM. The emergency diesel generator and MSS emissions have not undergone review under PSD rules.
- (6) Other than CO and VOC, hourly maximum emission limits apply both during normal operation and planned MSS.
- (7) Hourly maximum emission limits apply during periods of planned MSS only.
- (8) Includes ILE (inherently low emitting) and non-ILE fugitive emissions from sources and activities listed in the special conditions of this permit. Emission rates are an estimate and are enforceable through compliance with the applicable special conditions and permit application representations.

Date: March 13, 2023