

Emission Sources - Maximum Allowable Emission Rates

Permit Number 9659 and PSDTX663M1

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)
PB-CTS1, PB-CTS2, PB-CTS3, PB-CTS4, and PB-CTS5	GE MS7001EA Combustion Turbine Hourly emission rates shown apply to each individual turbine. Annual emission rates shown apply to all turbines combined	Gas or Oil Firing (5)	NO _x	376	1,410
			CO	22.0	82.5
			VOC	8.7	32.6
		Gas Firing (5)	SO ₂	15.2	57.0
			PM	20.6	77.3
			PM ₁₀	20.6	77.3
			PM _{2.5}	20.6	77.3
		Oil Firing (5)	SO ₂	520	1,950
			PM	51.8	194
			PM ₁₀	51.8	194
			PM _{2.5}	51.8	194
		Gas or Oil Firing Hourly MSS (6)	CO	250	---
			VOC	98.9	---
PB-EDGS	2,113 Horsepower Emergency Diesel Generator		NO _x	50.7	1.32
			CO	11.6	0.30
			SO ₂	8.55	0.22
			PM	1.48	0.04
			PM ₁₀	1.48	0.04
			PM _{2.5}	1.48	0.04
			VOC	1.50	0.04

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MSS-FUG	Planned MSS Sources (7)	VOC	18.9	0.13
		PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<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
SO₂ - sulfur dioxide
PM - particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}
PM₁₀ - 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
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (4) Compliance with combustion turbine and emergency diesel generator annual emission rates are based on a calendar year. Annual emission rates for combustion turbines and the emergency diesel generator include planned MSS emissions.
- (5) Other than CO and VOC, hourly maximum emission limits apply both during normal operation and planned MSS.
- (6) Hourly maximum emission limits apply during periods of planned MSS only.
- (7) 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. Compliance with planned fugitive maintenance, startup, and shutdown (MSS) annual emission rates is based on a 12-month rolling period.

Date: April 6, 2015