

Emission Sources - Maximum Allowable Emission Rates

Permit Number 9346 and PSDTX612M1
(Pre-Turbine Replacement Project Permit)

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 (4)	
			lbs/hour	TPY (5)
CG801	Turbine HRSG Stack (6)	NO _x (7)	170.21	745.52
		NO _x (8)	216.70	--
		CO	24.20	106.00
		CO (8)	481.10	--
		VOC	8.10	35.50
		SO ₂	31.30	137.20
		PM	11.50	50.40
CG802	Turbine HRSG Stack (6)	NO _x (7)	170.21	745.52
		NO _x (8)	216.70	--
		CO	24.20	106.00
		CO (8)	481.10	--
		VOC	8.10	35.50
		SO ₂	31.30	137.20
		PM	11.50	50.40
CG803	Turbine HRSG Stack (6)	NO _x (7)	170.21	745.52
		NO _x (8)	216.70	--
		CO	24.20	106.00
		CO (8)	481.10	--
		VOC	8.10	35.50
		SO ₂	31.30	137.20

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		PM	11.50	50.40
CG804	Turbine HRSG Stack (6)	NO _x (7)	170.21	745.52
		NO _x (8)	216.70	--
		CO	24.20	106.00
		CO (8)	481.10	--
		VOC	8.10	35.50
		SO ₂	31.30	137.20
		PM	11.50	50.40
MSS-Fug	Maintenance Fugitive Emissions	VOC	16.2	0.04

- (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; total particulate matter includes both filterable and condensable ("back half") PM
CO - carbon monoxide
- (4) The pound per hour (lb/hr) and ton per year (tpy) emission limits specified in the MAERT for this facility includes emissions from the facility during both normal operations and planned MSS activities, unless otherwise noted.
- (5) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (6) The EPNs covered by this permit are also subject to two Standard Permits (SP) for Pollution Control Projects (Nos. 55810 and 75225). The referenced SPs authorize decreases to the NO_x emission rate and increases to the CO emission rate for the facility authorized by this New Source Review Permit.
- (7) For each pollutant whose emissions during planned MSS activities are measured using a CEMS, the MSS lb/hr limits apply only during each clock hour that includes one or more minutes of MSS activities. During all other clock hours, the normal lb/hr limits apply.
- (8) MSS hourly emission limit only. The tpy emission limit specified in the MAERT for this facility includes emissions from the facility during both normal operations and planned MSS activities.

Date: September 26, 2014