

Emission Sources - Maximum Allowable Emission Rates

Permit Number 1491

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 (5)	TPY (6)
E-3	J. T. Deely Steam Generator Unit No. 1	VOC (7)	1,827	80
		NO _x (8)	2,976	13,036
		SO ₂	5,102	22,347
		PM	425	1,862
		PM ₁₀	43.8	191.7
		PM _{2.5}	21.9	95.8
		CO (7) (9)	15,660	686

- (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
- PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
- PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
- CO - carbon monoxide
- (4) The pound per hour and ton per year 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) 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.
- (6) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (7) The emission rates for VOC and CO expressed in pounds per hour are the maximum rates expected due to the variation in these constituents. The emission rates expressed in tons per year are the expected yearly average for these constituents.
- (8) Emission rates for NO_x are 1,913 lb/hr and 5,586 TPY as authorized by Pollution Control Project Standard Permit 51186.
- (9) Emission rates for CO are 2,831 lb/hr and 7,749 TPY as authorized by Pollution Control Project Standard Permit 51186.

Date: March 6, 2014

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