

# Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 72579 and PSDTX1080

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 (4)	TPY (5)
TURB1	GE 7FA Turbine	NO <sub>x</sub>	57.0	267.0
		NO <sub>x</sub> (MSS)	195.0	-
		CO	29.0	162.0
		CO (MSS)	230.0	-
		VOC	2.8	11.2
		PM	10.0	40.0
		PM <sub>10</sub>	10.0	40.0
		PM <sub>2.5</sub>	10.0	40.0
		SO <sub>2</sub>	23.9	95.6
TURB2	GE 7FA Turbine	NO <sub>x</sub>	57.0	267.0
		NO <sub>x</sub> (MSS)	195.0	-
		CO	29.0	162.0
		CO (MSS)	230.0	-
		VOC	2.8	11.2
		PM	10.0	40.0
		PM <sub>10</sub>	10.0	40.0
		PM <sub>2.5</sub>	10.0	40.0
		SO <sub>2</sub>	23.9	95.6
TURB3 (6)	Unit 6 – Combustion Turbine 3 GE7FA (~168 MW)	NO <sub>x</sub>	57.00	24.78
		NO <sub>x</sub> (MSS)	195.00	-
		CO	29.00	17.19
		CO (MSS)	230.00	-
		VOC	2.80	0.98

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		PM	18.00	6.30
		PM <sub>10</sub>	18.00	6.30
		PM <sub>2.5</sub>	18.00	6.30
		SO <sub>2</sub>	24.50	3.44
DGEN1	Emergency Diesel Fired Generator	NO <sub>x</sub>	16.36	7.17
		CO	2.11	0.92
		VOC	0.33	0.14
		PM	0.20	0.09
		PM <sub>10</sub>	0.20	0.09
		PM <sub>2.5</sub>	0.20	0.09
		SO <sub>2</sub>	0.96	0.42
HEAT1A	Fuel Gas Heater	NO <sub>x</sub>	0.68	2.86
		CO	0.10	0.42
		VOC	0.02	0.08
		PM	0.03	0.13
		PM <sub>10</sub>	0.03	0.13
		PM <sub>2.5</sub>	0.03	0.13
		SO <sub>2</sub>	0.06	0.25
HEAT1B	Fuel Gas Heater	NO <sub>x</sub>	0.68	2.86
		CO	0.10	0.42
		VOC	0.02	0.08
		PM	0.03	0.13
		PM <sub>10</sub>	0.03	0.13
		PM <sub>2.5</sub>	0.03	0.13
		SO <sub>2</sub>	0.06	0.25
HEAT2	Fuel Gas Heater	NO <sub>x</sub>	1.18	4.95
		CO	0.17	0.73
		VOC	0.03	0.15
		PM	0.05	0.22

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		PM <sub>10</sub>	0.05	0.22
		PM <sub>2.5</sub>	0.05	0.22
		SO <sub>2</sub>	0.10	0.44

- (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<sub>x</sub> - total oxides of nitrogen
- SO<sub>2</sub> - sulfur dioxide
- PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented
- PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented
- PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter
- CO - carbon monoxide
- MSS - maintenance, startup, and shutdown
- (4) For each pollutant whose emissions are measured during planned MSS activities using a CEMS, only the MSS lb/hr limits apply during each clock hour that includes one or more minutes of MSS activities. For all other hours the normal lb/hr shall apply.
- (5) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (6) The tons per year emission rates include emissions generated from MSS. Unless denoted separately, the pound per hour emission rates for this facility includes emission from normal and planned MSS operations.

Date: November 30, 2015