

# Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 32881 and PSDTX875

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)
BYPASS-1	Combustion Turbine – GE7FA Simple Cycle (5)	NO <sub>x</sub>	96.50	-
		NO <sub>x</sub> (MSS)	195.00	-
		CO	58.36	-
		CO (MSS)	230.00	-
		VOC	12.70	-
		PM	18.00	-
		PM <sub>10</sub>	18.00	-
		PM <sub>2.5</sub>	18.00	-
		SO <sub>2</sub>	23.98	-
		HAPS	1.76	-
HRSG-1	Combustion Turbine – GE7FA Combined Cycle (5)	NO <sub>x</sub>	107.70	-
		NO <sub>x</sub> (MSS)	195.00	-
		CO	96.17	-
		CO (MSS)	230.00	-
		VOC	15.90	-
		PM	21.20	-
		PM <sub>10</sub>	21.20	-
		PM <sub>2.5</sub>	21.20	-
		SO <sub>2</sub>	26.22	-
		HAPS	2.06	-
BYPASS-1 & HRSG-1	Combustion Turbine – GE7FA Annual Emissions (5)	NO <sub>x</sub>	-	480.35
		CO	-	433.91
		VOC	-	69.65
		PM	-	92.86

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		PM <sub>10</sub>	-	92.86
		PM <sub>2.5</sub>	-	92.86
		SO <sub>2</sub>	-	114.86
		HAPS	-	9.03
BYPASS-2	Combustion Turbine – GE7FA Simple Cycle (5)	NO <sub>x</sub>	96.50	-
		NO <sub>x</sub> (MSS)	195.00	-
		CO	58.36	-
		CO (MSS)	230.00	-
		VOC	12.70	-
		PM	18.00	-
		PM <sub>10</sub>	18.00	-
		PM <sub>2.5</sub>	18.00	-
		SO <sub>2</sub>	23.98	-
		HAPS	1.76	-
HRSG-2	Combustion Turbine – GE7FA Combined Cycle (5)	NO <sub>x</sub>	107.70	-
		NO <sub>x</sub> (MSS)	195.00	-
		CO	96.17	-
		CO (MSS)	230.00	-
		VOC	15.90	-
		PM	21.20	-
		PM <sub>10</sub>	21.20	-
		PM <sub>2.5</sub>	21.20	-
		SO <sub>2</sub>	26.22	-
		HAPS	2.06	-
BYPASS-2 & HRSG-2	Combustion Turbine – GE7FA Annual Emissions (5)	NO <sub>x</sub>	-	480.35
		CO	-	433.91
		VOC	-	69.65
		PM	-	92.86
		PM <sub>10</sub>	-	92.86
		PM <sub>2.5</sub>	-	92.86
		SO <sub>2</sub>	-	114.86

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		HAPS	-	9.03
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- (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<sub>x</sub> - total oxides of nitrogen
  - CO - carbon monoxide
  - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
  - PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>
  - PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>
  - PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter
  - SO<sub>2</sub> - sulfur dioxide
  - HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
  - MSS - maintenance, startup, and shutdown
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period. The annual emission rate includes MSS emissions.
- (5) Planned maintenance, startup and shutdown for all pollutants are authorized even if not specifically identified as MSS. During any clock hour that includes one or more minutes of planned MSS that pollutant's maximum hourly emission rate shall apply during that clock hour.

Date: July 11, 2017