

# Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 16909 and PSDTX780

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 (5)
CG1 (4)	37 Megawatt GE Frame 6 Gas Turbine and 212 MMBtu/hr Duct Burner	NO <sub>x</sub>	66.70	---
		CO	31.50	---
		VOC	2.50	---
		SO <sub>2</sub>	8.20	---
		SO <sub>3</sub>	0.30	---
		PM	4.00	---
		PM <sub>10</sub>	4.00	---
		PM <sub>2.5</sub>	4.00	---
CG2 (4)	37 Megawatt GE Frame 6 Gas Turbine and 212 MMBtu/hr Duct Burner	NO <sub>x</sub>	66.70	---
		CO	31.50	---
		VOC	2.50	---
		SO <sub>2</sub>	8.20	---
		SO <sub>3</sub>	0.30	---
		PM	4.00	---
		PM <sub>10</sub>	4.00	---
		PM <sub>2.5</sub>	4.00	---
CG1 (4)	37 Megawatt GE Frame 6 Gas Turbine and 250 MMBtu/hr Duct Burner	NO <sub>x</sub>	70.41	---
		CO	34.10	---
		VOC	2.76	---
		SO <sub>2</sub>	8.68	---
		SO <sub>3</sub>	0.32	---
		PM	4.26	---
		PM <sub>10</sub>	4.26	---
		PM <sub>2.5</sub>	4.26	---
CG2 (4)	37 Megawatt GE	NO <sub>x</sub>	70.41	---

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	Frame 6 Gas Turbine and 250 MMBtu/hr Duct Burner	CO	34.10	---
		VOC	2.76	---
		SO <sub>2</sub>	8.68	---
		SO <sub>3</sub>	0.32	---
		PM	4.26	---
		PM <sub>10</sub>	4.26	---
		PM <sub>2.5</sub>	4.26	---
CG1 (4)	37 Megawatt GE Frame 6 Gas Turbine and Duct Burner	NO <sub>x</sub>	---	259.93
		CO	---	123.35
		VOC	---	9.26
		SO <sub>2</sub>	---	31.92
		SO <sub>3</sub>	---	1.20
		PM	---	16.66
		PM <sub>10</sub>	---	16.66
		PM <sub>2.5</sub>	---	16.66
CG2 (4)	37 Megawatt GE Frame 6 Gas Turbine and Duct Burner	NO <sub>x</sub>	---	259.93
		CO	---	123.35
		VOC	---	9.26
		SO <sub>2</sub>	---	31.92
		SO <sub>3</sub>	---	1.20
		PM	---	16.66
		PM <sub>10</sub>	---	16.66
		PM <sub>2.5</sub>	---	16.66
UEHK11	Boiler No. 11	NO <sub>x</sub>	14.3	62.4
		CO	20.8	91.0
		VOC	0.9	3.8
		SO <sub>2</sub>	3.2	14.0
		PM	2.9	12.5
		PM <sub>10</sub>	2.9	12.5
		PM <sub>2.5</sub>	2.9	12.5

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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) 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
- SO<sub>3</sub>
  - sulfur trioxide
- 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
- (4) Turbine (CG1 and CG2) hourly emissions are based on 20°F ambient temperature and annual emissions are based on 66.5°F ambient temperature.
- (5) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period. Annual emissions include those due to higher and lower duct burner firing rates.

Date: September 23, 2024