

## Emission Sources - Maximum Allowable Emission Rates

Permit Number 35335 and PSDTX880

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)
CG-1	GE-7231FA Turbine and Duct Burner (7)	NO <sub>x</sub>	181.74	--
		NO <sub>x</sub> (MSS) (6)(8)	220.0	--
		CO	85.84	--
		CO (MSS) (8)	250.0	--
		VOC	9.11	--
		SO <sub>2</sub>	1.60	--
		PM <sub>10</sub>	18.89	--
		H <sub>2</sub> SO <sub>4</sub>	0.25	--
		HCl	<0.01	--
CG-2	GE-7231FA Turbine and Duct Burner (7)	NO <sub>x</sub>	181.74	--
		NO <sub>x</sub> (MSS) (8)	220.0	--
		CO	85.84	--
		CO (MSS) (8)	250.0	--
		VOC	9.11	--
		SO <sub>2</sub>	1.60	--
		PM <sub>10</sub>	18.89	--
		H <sub>2</sub> SO <sub>4</sub>	0.25	--
		HCl	<0.01	--
CG-1 and CG-2	Combined Annual Emissions (7)	NO <sub>x</sub>	--	1386.88
		CO	--	733.38

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CG-1 and CG-2	Combined Annual Emissions	VOC	--	76.12
		SO <sub>2</sub>	--	12.67
		PM <sub>10</sub>	--	144.02
		H <sub>2</sub> SO <sub>4</sub>	--	1.94
		HCl	--	<0.01
CU-1	Carbonation Unit	NO <sub>x</sub>	1.42	5.41
		CO	0.67	2.86
		VOC	0.07	0.30
		SO <sub>2</sub>	0.01	0.05
		PM <sub>10</sub>	0.15	0.56
		H <sub>2</sub> SO <sub>4</sub>	<0.01	0.01
CG-FUG	Fugitive Emissions (5)	VOC	0.03	0.11

### Emission Sources - Maximum Allowable Emission Rates

- (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 represented	- 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
HCl	- hydrogen chloride
H <sub>2</sub> SO <sub>4</sub>	- sulfuric acid
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (6) MSS – Maintenance, startup, and shutdown.
- (7) The annual emission limits specified in the MAERT for CG-1 and CG-2 include emissions from the units during both normal operations and planned MSS activities. The hourly emission limits specified in the MAERT for CG-1 and CG-2 include emissions from the facility during both normal operations and planned MSS activities, except for NO<sub>x</sub> and CO.
- (8) 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.

Date: \_\_\_\_\_