

# Emission Sources — Maximum Allowable Emission Rates

Permit Numbers 160538 and PDSTX1582

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)
CBY51	Combustion Turbine 1 (5)	NO <sub>x</sub>	32.29	122.86
		NO <sub>x</sub> (MSS)	43.96	
		CO	34.40	150.29
		CO (MSS)	533.40	
		VOC	5.63	24.28
		VOC (MSS)	76.83	
		PM	37.33	95.99
		PM <sub>10</sub>	37.33	95.99
		PM <sub>2.5</sub>	37.33	95.99
		SO <sub>2</sub>	12.90	24.07
		H <sub>2</sub> SO <sub>4</sub>	9.31	16.23
		NH <sub>3</sub>	41.83	156.99
CBY51-LOV	CTG Lube Oil Vent	VOC	<0.01	0.01
		PM	<0.01	0.01
		PM <sub>10</sub>	<0.01	0.01
		PM <sub>2.5</sub>	<0.01	0.01
CBYST-LOV	Steam Turbine 1 Lube Oil Vent	VOC	<0.01	0.01
		PM	<0.01	0.01
		PM <sub>10</sub>	<0.01	0.01
		PM <sub>2.5</sub>	<0.01	0.01

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3.25				
		CO	3.29	3.29
		VOC	0.48	0.48
		PM	0.66	0.66
		PM <sub>10</sub>	0.66	0.66
		PM <sub>2.5</sub>	0.66	0.66
		SO <sub>2</sub>	0.25	0.12
GAS-HTR	Dewpoint Heater	NO <sub>x</sub>	0.12	0.51
		CO	0.36	1.57
		VOC	0.03	0.14
		PM	0.05	0.21
		PM <sub>10</sub>	0.05	0.21
		PM <sub>2.5</sub>	0.05	0.21
		SO <sub>2</sub>	0.03	0.06
C-TOWER1	Cooling Tower	PM	24.21	106.03
		PM <sub>10</sub>	0.08	0.33
		PM <sub>2.5</sub>	<0.01	<0.01
EMGEN	Emergency Generator	NO <sub>x</sub>	2.20	0.11
		CO	11.51	0.58
		VOC	0.18	0.01
		PM	0.10	<0.01
		PM <sub>10</sub>	0.10	<0.01
		PM <sub>2.5</sub>	0.10	<0.01
		SO <sub>2</sub>	0.02	<0.01
DSL-TNK	Diesel Generator Fuel Tank	VOC	0.02	<0.01
FUG-SCR	NH <sub>3</sub> Fugitives (6)	NH <sub>3</sub>	0.02	0.10
FUG-NGAS	Natural Gas Fugitives (6)	VOC	<0.01	0.01
MSS-FUG	Planned Maintenance Activity Fugitives (6)	NO <sub>x</sub>	<0.01	<0.01
		CO	<0.01	<0.01

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		VOC	0.12	<0.01
		PM	0.05	<0.01
		PM <sub>10</sub>	0.05	<0.01
		PM <sub>2.5</sub>	0.05	<0.01
		NH <sub>3</sub>	<0.01	<0.01

- (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
  - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
  - CO - carbon monoxide
  - 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
  - H<sub>2</sub>SO<sub>4</sub> - sulfuric acid
  - MSS - maintenance, startup, and shutdown
  - NH<sub>3</sub> - ammonia
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Planned maintenance, startup, and shutdown emissions 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.
- (6) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: July 20, 2022

# Emission Sources — Maximum Allowable Emission Rates

Permit Number GHGPSDTX204

This table lists the maximum allowable emission rates of greenhouse gas (GHG) emissions, as defined in Title 30 Texas Administrative Code § 101.1, for all sources of GHG air contaminants on the applicant's property that are authorized 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 authorized by this permit.

Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates
			TPY (4,5)
CBY51	Combustion Turbine 1	N <sub>2</sub> O (5)	4
		CH <sub>4</sub> (5)	38
		CO <sub>2</sub> (5)	2,052,556
		CO <sub>2</sub> e	2,054,642
AUX-BLR	Auxiliary Boiler	N <sub>2</sub> O (5)	<1
		CH <sub>4</sub> (5)	<1
		CO <sub>2</sub> (5)	10,415
		CO <sub>2</sub> e	10,426
GAS-HTR	Dewpoint Heater	N <sub>2</sub> O (5)	<1
		CH <sub>4</sub> (5)	<1
		CO <sub>2</sub> (5)	4,966
		CO <sub>2</sub> e	4,971
EMGEN	Emergency Generator	N <sub>2</sub> O (5)	<1
		CH <sub>4</sub> (5)	<1
		CO <sub>2</sub> (5)	118
		CO <sub>2</sub> e	118
FUG-NGAS	Natural Gas Fugitives	N <sub>2</sub> O (5)	3
		CH <sub>4</sub> (5)	<1
		CO <sub>2</sub> e	56
SF6FUG	SF6 Insulated Equipment	SF <sub>6</sub> (5)	<1
		CO <sub>2</sub> e	24
FUG-MSS	Planned Maintenance Activity Fugitives	CH <sub>4</sub> (5)	<1
		CO <sub>2</sub> (5)	<1
		CO <sub>2</sub> e	3

(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) N<sub>2</sub>O - nitrous oxide  
CH<sub>4</sub> - methane



Permit Number GHGPSDTX204

CO<sub>2</sub> - carbon dioxide

CO<sub>2</sub>e - carbon dioxide equivalents based on the following Global Warming Potentials (GWP) found in Table A-1 of Subpart A 40 CFR Part 98 (78 FR 71904) for each pollutant: CO<sub>2</sub> (1), N<sub>2</sub>O (298), CH<sub>4</sub>(25)

(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.

(5) NO<sub>2</sub>, CH<sub>4</sub>, and CO<sub>2</sub> emission rates are for informational purposes only does not constitute an enforceable limit.

Date: July 20, 2022