

## Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 158420 and PSDTX1572

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 (4)	
			lb/hr	TPY(5)
M-FLARE	Marine Flare	NO <sub>x</sub>	240.22	26.11
		CO	479.58	52.13
		VOC	4.72	0.69
		SO <sub>2</sub>	1.30	0.14
		PM	0.01	0.01
		PM <sub>10</sub>	0.01	0.01
		PM <sub>2.5</sub>	0.01	0.01
G-FLARE	Ground Flare	NO <sub>x</sub>	12.24	52.94
		CO	24.49	105.69
		VOC	3.24	5.32
		SO <sub>2</sub>	0.07	0.33
		PM	0.13	0.55
		PM <sub>10</sub>	0.13	0.55
		PM <sub>2.5</sub>	0.13	0.55
G-FLARE	Ground Flare (MSS)	NO <sub>x</sub>	1,706.74	368.66
		CO	3,407.29	735.97
		VOC	114.49	24.73
		SO <sub>2</sub>	8.66	1.87
		PM	0.13	0.55
		PM <sub>10</sub>	0.13	0.55
		PM <sub>2.5</sub>	0.13	0.55

## Emission Sources - Maximum Allowable Emission Rates

CT-COMP-1	Refrigeration Compressor Turbine1	NO <sub>x</sub>	36.45	139.59
		NO <sub>x</sub> (MSS)	96.02	-
		CO	61.62	238.46
		CO (MSS)	467.60	-
		VOC	2.82	11.00
		VOC (MSS)	33.40	-
		PM	11.07	42.15
		PM <sub>10</sub>	11.07	42.15
		PM <sub>2.5</sub>	11.07	42.15
		SO <sub>2</sub>	10.24	2.60
		H <sub>2</sub> SO <sub>4</sub>	1.57	0.40
CT-COMP-2	Refrigeration Compressor Turbine 2	NO <sub>x</sub>	36.45	139.59
		NO <sub>x</sub> (MSS)	96.02	-
		CO	61.62	238.46
		CO (MSS)	467.60	-
		VOC	2.82	11.00
		VOC (MSS)	33.40	-
		PM	11.07	42.15
		PM <sub>10</sub>	11.07	42.15
		PM <sub>2.5</sub>	11.07	42.15
		SO <sub>2</sub>	10.24	2.60
		H <sub>2</sub> SO <sub>4</sub>	1.57	0.40
CT-COMP-3	Refrigeration Compressor Turbine 3	NO <sub>x</sub>	36.45	139.59
		NO <sub>x</sub> (MSS)	96.02	-
		CO	61.62	238.46
		CO (MSS)	467.60	-
		VOC	2.82	11.00
		VOC (MSS)	33.40	-
		PM	11.07	42.15
		PM <sub>10</sub>	11.07	42.15

## Emission Sources - Maximum Allowable Emission Rates

		PM <sub>2.5</sub>	11.07	42.15
		SO <sub>2</sub>	10.24	2.60
		H <sub>2</sub> SO <sub>4</sub>	1.57	0.40
CT-COMP-4	Refrigeration Compressor Turbine 4	NO <sub>x</sub>	36.45	139.59
		NO <sub>x</sub> (MSS)	96.02	-
		CO	61.62	238.46
		CO (MSS)	467.60	-
		VOC	2.82	11.00
		VOC (MSS)	33.40	-
		PM	11.07	42.15
		PM <sub>10</sub>	11.07	42.15
		PM <sub>2.5</sub>	11.07	42.15
		SO <sub>2</sub>	10.24	2.60
		H <sub>2</sub> SO <sub>4</sub>	1.57	0.40
CT-COMP-5	Refrigeration Compressor Turbine 5	NO <sub>x</sub>	36.45	139.59
		NO <sub>x</sub> (MSS)	96.02	-
		CO	61.62	238.46
		CO (MSS)	467.60	-
		VOC	2.82	11.00
		VOC (MSS)	33.40	-
		PM	11.07	42.15
		PM <sub>10</sub>	11.07	42.15
		PM <sub>2.5</sub>	11.07	42.15
		SO <sub>2</sub>	10.24	2.60
		H <sub>2</sub> SO <sub>4</sub>	1.57	0.40
CT-COMP-6	Refrigeration Compressor Turbine 6	NO <sub>x</sub>	36.45	139.59
		NO <sub>x</sub> (MSS)	96.02	-
		CO	61.62	238.46
		CO (MSS)	467.60	-
		VOC	2.82	11.00
		VOC (MSS)	33.40	-

## Emission Sources - Maximum Allowable Emission Rates

		PM	11.07	42.15
		PM <sub>10</sub>	11.07	42.15
		PM <sub>2.5</sub>	11.07	42.15
		SO <sub>2</sub>	10.24	2.60
		H <sub>2</sub> SO <sub>4</sub>	1.57	0.40
CT-COMP-7	Refrigeration Compressor Turbine 7	NO <sub>x</sub>	36.45	139.59
		NO <sub>x</sub> (MSS)	96.02	-
		CO	61.62	238.46
		CO (MSS)	467.60	-
		VOC	2.82	11.00
		VOC (MSS)	33.40	-
		PM	11.07	42.15
		PM <sub>10</sub>	11.07	42.15
		PM <sub>2.5</sub>	11.07	42.15
		SO <sub>2</sub>	10.24	2.60
		H <sub>2</sub> SO <sub>4</sub>	1.57	0.40
CT-COMP-8	Refrigeration Compressor Turbine 8	NO <sub>x</sub>	36.45	139.59
		NO <sub>x</sub> (MSS)	96.02	-
		CO	61.62	238.46
		CO (MSS)	467.60	-
		VOC	2.82	11.00
		VOC (MSS)	33.40	-
		PM	11.07	42.15
		PM <sub>10</sub>	11.07	42.15
		PM <sub>2.5</sub>	11.07	42.15
		SO <sub>2</sub>	10.24	2.60
		H <sub>2</sub> SO <sub>4</sub>	1.57	0.40
CT-GEN-1	Generator Combustion Turbine 1	NO <sub>x</sub>	7.37	28.21
		NO <sub>x</sub> (MSS)	36.84	-
		CO	8.07	30.84
		CO (MSS)	22.43	-

## Emission Sources - Maximum Allowable Emission Rates

		VOC	1.03	3.93
		VOC (MSS)	7.67	-
		PM	2.32	8.84
		PM <sub>10</sub>	2.32	8.84
		PM <sub>2.5</sub>	2.32	8.84
		SO <sub>2</sub>	2.96	1.88
		H <sub>2</sub> SO <sub>4</sub>	0.45	0.29
		NH <sub>3</sub>	5.46	20.78
		Formaldehyde	0.13	0.48
CT-GEN-2	Generator Combustion Turbine 2	NO <sub>x</sub>	7.37	28.21
		NO <sub>x</sub> (MSS)	36.84	-
		CO	8.07	30.84
		CO (MSS)	22.43	-
		VOC	1.03	3.93
		VOC (MSS)	7.67	-
		PM	2.32	8.84
		PM <sub>10</sub>	2.32	8.84
		PM <sub>2.5</sub>	2.32	8.84
		SO <sub>2</sub>	2.96	1.88
		H <sub>2</sub> SO <sub>4</sub>	0.45	0.29
		NH <sub>3</sub>	5.46	20.78
		Formaldehyde	0.13	0.48
CT-GEN-3	Generator Combustion Turbine 3	NO <sub>x</sub>	7.37	28.21
		NO <sub>x</sub> (MSS)	36.84	-
		CO	8.07	30.84
		CO (MSS)	22.43	-
		VOC	1.03	3.93
		VOC (MSS)	7.67	-
		PM	2.32	8.84
		PM <sub>10</sub>	2.32	8.84
		PM <sub>2.5</sub>	2.32	8.84

## Emission Sources - Maximum Allowable Emission Rates

		SO <sub>2</sub>	2.96	1.88
		H <sub>2</sub> SO <sub>4</sub>	0.45	0.29
		NH <sub>3</sub>	5.46	20.78
		Formaldehyde	0.13	0.48
CT-GEN-4	Generator Combustion Turbine 4	NO <sub>x</sub>	7.37	28.21
		NO <sub>x</sub> (MSS)	36.84	-
		CO	8.07	30.84
		CO (MSS)	22.43	-
		VOC	1.03	3.93
		VOC (MSS)	7.67	-
		PM	2.32	8.84
		PM <sub>10</sub>	2.32	8.84
		PM <sub>2.5</sub>	2.32	8.84
		SO <sub>2</sub>	2.96	1.88
		H <sub>2</sub> SO <sub>4</sub>	0.45	0.29
		NH <sub>3</sub>	5.46	20.78
		Formaldehyde	0.13	0.48
CT-GEN-5	Generator Combustion Turbine 5	NO <sub>x</sub>	7.37	28.21
		NO <sub>x</sub> (MSS)	36.84	-
		CO	8.07	30.84
		CO (MSS)	22.43	-
		VOC	1.03	3.93
		VOC (MSS)	7.67	-
		PM	2.32	8.84
		PM <sub>10</sub>	2.32	8.84
		PM <sub>2.5</sub>	2.32	8.84
		SO <sub>2</sub>	2.96	1.88
		H <sub>2</sub> SO <sub>4</sub>	0.45	0.29
		NH <sub>3</sub>	5.46	20.78
		Formaldehyde	0.13	0.48
CT-GEN-6	Generator Combustion Turbine 6	NO <sub>x</sub>	7.37	28.21

## Emission Sources - Maximum Allowable Emission Rates

		NO <sub>x</sub> (MSS)	36.84	-
		CO	8.07	30.84
		CO (MSS)	22.43	-
		VOC	1.03	3.93
		VOC (MSS)	7.67	-
		PM	2.32	8.84
		PM <sub>10</sub>	2.32	8.84
		PM <sub>2.5</sub>	2.32	8.84
		SO <sub>2</sub>	2.96	1.88
		H <sub>2</sub> SO <sub>4</sub>	0.45	0.29
		NH <sub>3</sub>	5.46	20.78
		Formaldehyde	0.13	0.48
CT-GEN-7	Generator Combustion Turbine 7	NO <sub>x</sub>	7.37	28.21
		NO <sub>x</sub> (MSS)	36.84	-
		CO	8.07	30.84
		CO (MSS)	22.43	-
		VOC	1.03	3.93
		VOC (MSS)	7.67	-
		PM	2.32	8.84
		PM <sub>10</sub>	2.32	8.84
		PM <sub>2.5</sub>	2.32	8.84
		SO <sub>2</sub>	2.96	1.88
		H <sub>2</sub> SO <sub>4</sub>	0.45	0.29
		NH <sub>3</sub>	5.46	20.78
		Formaldehyde	0.13	0.48
CT-GEN-8	Generator Combustion Turbine 8	NO <sub>x</sub>	7.37	28.21
		NO <sub>x</sub> (MSS)	36.84	-
		CO	8.07	30.84
		CO (MSS)	22.43	-
		VOC	1.03	3.93
		VOC (MSS)	7.67	-

## Emission Sources - Maximum Allowable Emission Rates

		PM	2.32	8.84
		PM <sub>10</sub>	2.32	8.84
		PM <sub>2.5</sub>	2.32	8.84
		SO <sub>2</sub>	2.96	1.88
		H <sub>2</sub> SO <sub>4</sub>	0.45	0.29
		NH <sub>3</sub>	5.46	20.78
		Formaldehyde	0.13	0.48
CT-GEN-9	Generator Combustion Turbine 9	NO <sub>x</sub>	7.37	28.21
		NO <sub>x</sub> (MSS)	36.84	-
		CO	8.07	30.84
		CO (MSS)	22.43	-
		VOC	1.03	3.93
		VOC (MSS)	7.67	-
		PM	2.32	8.84
		PM <sub>10</sub>	2.32	8.84
		PM <sub>2.5</sub>	2.32	8.84
		SO <sub>2</sub>	2.96	1.88
		H <sub>2</sub> SO <sub>4</sub>	0.45	0.29
		NH <sub>3</sub>	5.46	20.78
		Formaldehyde	0.13	0.48
HTR-1	Gas Turbine Preheater 1	NO <sub>x</sub>	0.19	0.82
		CO	0.31	1.37
		VOC	0.02	0.09
		SO <sub>2</sub>	0.01	0.02
		PM	0.03	0.12
		PM <sub>10</sub>	0.03	0.12
		PM <sub>2.5</sub>	0.03	0.12
HTR-2	Gas Turbine Preheater 2	NO <sub>x</sub>	0.19	0.82
		CO	0.31	1.37
		VOC	0.02	0.09
		SO <sub>2</sub>	0.01	0.02



## Emission Sources - Maximum Allowable Emission Rates

TO-1	Thermal Oxidizer 1	PM	0.03	0.12
		PM <sub>10</sub>	0.03	0.12
		PM <sub>2.5</sub>	0.03	0.12
		NO <sub>x</sub>	4.13	18.11
		CO	6.42	28.14
		VOC	0.43	1.86
		PM	0.58	2.55
		PM <sub>10</sub>	0.58	2.55
		PM <sub>2.5</sub>	0.58	2.55
TO-2	Thermal Oxidizer 2	SO <sub>2</sub>	1.28	5.73
		H <sub>2</sub> SO <sub>4</sub>	0.10	0.44
		NO <sub>x</sub>	4.13	18.11
		CO	6.42	28.14
		VOC	0.43	1.86
		PM	0.58	2.55
		PM <sub>10</sub>	0.58	2.55
		PM <sub>2.5</sub>	0.58	2.55
		SO <sub>2</sub>	1.28	5.73
TO-3	Thermal Oxidizer 3	H <sub>2</sub> SO <sub>4</sub>	0.10	0.44
		NO <sub>x</sub>	4.13	18.11
		CO	6.42	28.14
		VOC	0.43	1.86
		PM	0.58	2.55
		PM <sub>10</sub>	0.58	2.55
		PM <sub>2.5</sub>	0.58	2.55
		SO <sub>2</sub>	1.28	5.73
		H <sub>2</sub> SO <sub>4</sub>	0.10	0.44
TO-4	Thermal Oxidizer 4	NO <sub>x</sub>	4.13	18.11
		CO	6.42	28.14
		VOC	0.43	1.86
		PM	0.58	2.55

## Emission Sources - Maximum Allowable Emission Rates

		PM <sub>10</sub>	0.58	2.55
		PM <sub>2.5</sub>	0.58	2.55
		SO <sub>2</sub>	1.28	5.73
		H <sub>2</sub> SO <sub>4</sub>	0.10	0.44
ENG-GEN-1	Diesel Standby Generator 1	NO <sub>x</sub>	47.39	0.57
		CO	27.78	0.33
		VOC	3.40	0.04
		PM	1.59	0.02
		PM <sub>10</sub>	1.59	0.02
		PM <sub>2.5</sub>	1.59	0.02
		SO <sub>2</sub>	0.06	<0.01
ENG-GEN-2	Diesel Standby Generator 2	NO <sub>x</sub>	47.39	0.57
		CO	27.78	0.33
		VOC	3.40	0.04
		PM	1.59	0.02
		PM <sub>10</sub>	1.59	0.02
		PM <sub>2.5</sub>	1.59	0.02
		SO <sub>2</sub>	0.06	<0.01
ENG-GEN-3	Diesel Standby Generator 3	NO <sub>x</sub>	47.39	0.57
		CO	27.78	0.33
		VOC	3.40	0.04
		PM	1.59	0.02
		PM <sub>10</sub>	1.59	0.02
		PM <sub>2.5</sub>	1.59	0.02
		SO <sub>2</sub>	0.06	<0.01
ENG-GEN-4	Diesel Standby Generator 4	NO <sub>x</sub>	47.39	0.57
		CO	27.78	0.33
		VOC	3.40	0.04
		PM	1.59	0.02
		PM <sub>10</sub>	1.59	0.02
		PM <sub>2.5</sub>	1.59	0.02

## Emission Sources - Maximum Allowable Emission Rates

		SO <sub>2</sub>	0.06	<0.01
ENG-FWP-1	Diesel Fire Water Pump 1	NO <sub>x</sub>	8.89	0.17
		CO	4.97	0.10
		VOC	0.64	0.01
		PM	0.30	0.01
		PM <sub>10</sub>	0.30	0.01
		PM <sub>2.5</sub>	0.30	0.01
		SO <sub>2</sub>	0.01	<0.01
ENG-FWP-2	Diesel Fire Water Pump 2	NO <sub>x</sub>	8.89	0.17
		CO	4.97	0.10
		VOC	0.64	0.01
		PM	0.30	0.01
		PM <sub>10</sub>	0.30	0.01
		PM <sub>2.5</sub>	0.30	0.01
		SO <sub>2</sub>	0.01	<0.01
TRK-LOAD-1	Condensate Truck Loading 1 Fugitives	VOC	1.15	0.73
TRK-LOAD-2	Process Wastewater Truck Loading Fugitives	VOC	<0.01	<0.01
TK-DSLF-1	Diesel Storage Tank for FWP-1	VOC	0.03	<0.01
TK-DSLF-2	Diesel Storage Tank for FWP-2	VOC	0.03	<0.01
TK-DSLGL-1	Diesel Storage Tank for Standby Generator 1	VOC	0.20	<0.01
TK-DSLGL-2	Diesel Storage Tank for Standby Generator 2	VOC	0.20	<0.01
TK-DSLGL-3	Diesel Storage Tank for Standby Generator 3	VOC	0.20	<0.01
TK-DSLGL-4	Diesel Storage Tank for Standby Generator 4	VOC	0.20	<0.01
TK-DSL-1	Diesel Storage Tank 1	VOC	0.46	0.01
TK-LAMINE-1	Lean Amine Storage Tank 1	VOC	<0.01	<0.01
TK-FAMINE-1	Fresh Amine Storage Tank 1	VOC	<0.01	<0.01
TK-HOTOIL-1	Hot Oil Storage Tank 1	VOC	0.04	<0.01
TK-SLOPOIL-1	Slop Oil Storage Tank 1	VOC	0.57	<0.01
FUGITIVES	Equipment Leak Fugitives (6)	VOC	9.88	43.29
AMFUG	Ammonia Piping Fugitives (6)	NH <sub>3</sub>	<0.01	0.03
TK-PWW-1	Process Wastewater Storage Tank	VOC	<0.01	<0.01

### 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	- 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
H <sub>2</sub> SO <sub>4</sub>	- sulfuric acid
H <sub>2</sub> S	- hydrogen sulfide
NH <sub>3</sub>	- ammonia
MSS	- maintenance, startup, and shutdown emissions
  - (4) Planned maintenance, startup and shutdown (MSS) lb/hour 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. Continuous demonstration of compliance with the lb/hr emission limits for NO<sub>x</sub>, CO, and NH<sub>3</sub>, from any of the refrigeration or generation turbines equipped with CEMS or PEMS shall be based upon a three-hour rolling average.
  - (5) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period. Annual emission rates for each source include planned MSS emissions, unless otherwise noted.
  - (6) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
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## Emission Sources - Maximum Allowable Emission Rates

Permit Number GHGPSDTX198

This table lists the maximum allowable emission rates of greenhouse gas (GHG) emissions, as defined in Title 30 Texas Administrative Code § 101.1, for sources of GHG air contaminants on the applicant's property authorized by this permit. 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
			TPY (4)
M-FLARE	Marine Flare	CO <sub>2</sub>	24,088.34
		CH <sub>4</sub>	77.34
		N <sub>2</sub> O	0.01
		CO <sub>2</sub> e	26,024
G-FLARE	Ground Flare	CO <sub>2</sub>	42,777.97
		CH <sub>4</sub>	125.56
		N <sub>2</sub> O	0.02
		CO <sub>2</sub> e	45,923
G-FLARE	Ground Flare (MSS)	CO <sub>2</sub>	294,618.52
		CH <sub>4</sub>	1,082.16
		N <sub>2</sub> O	<0.01
		CO <sub>2</sub> e	321,673
CT-COMP-1	Refrigeration Compressor Turbine1	CO <sub>2</sub>	503,996.77
		CH <sub>4</sub>	9.50
		N <sub>2</sub> O	0.95
		CO <sub>2</sub> e	504,517
CT-COMP-2	Refrigeration Compressor Turbine2	CO <sub>2</sub>	503,996.77
		CH <sub>4</sub>	9.50
		N <sub>2</sub> O	0.95
		CO <sub>2</sub> e	504,517
CT-COMP-3	Refrigeration Compressor Turbine3	CO <sub>2</sub>	503,996.77
		CH <sub>4</sub>	9.50
		N <sub>2</sub> O	0.95
		CO <sub>2</sub> e	504,517
CT-COMP-4	Refrigeration Compressor Turbine4	CO <sub>2</sub>	503,996.77
		CH <sub>4</sub>	9.50
		N <sub>2</sub> O	0.95
		CO <sub>2</sub> e	504,517
CT-COMP-5	Refrigeration Compressor Turbine5	CO <sub>2</sub>	503,996.77
		CH <sub>4</sub>	9.50
		N <sub>2</sub> O	0.95

## Emission Sources - Maximum Allowable Emission Rates

		CO <sub>2</sub> e	504,517
CT-COMP-6	Refrigeration Compressor Turbine6	CO <sub>2</sub>	503,996.77
		CH <sub>4</sub>	9.50
		N <sub>2</sub> O	0.95
		CO <sub>2</sub> e	504,517
CT-COMP-7	Refrigeration Compressor Turbine7	CO <sub>2</sub>	503,996.77
		CH <sub>4</sub>	9.50
		N <sub>2</sub> O	0.95
		CO <sub>2</sub> e	504,517
CT-COMP-8	Refrigeration Compressor Turbine8	CO <sub>2</sub>	503,996.77
		CH <sub>4</sub>	9.50
		N <sub>2</sub> O	0.95
		CO <sub>2</sub> e	504,517
CT-GEN-1	Generator Combustion Turbine 1	CO <sub>2</sub>	156,749.07
		CH <sub>4</sub>	2.95
		N <sub>2</sub> O	0.30
		CO <sub>2</sub> e	156,912
CT-GEN-2	Generator Combustion Turbine 2	CO <sub>2</sub>	156,749.07
		CH <sub>4</sub>	2.95
		N <sub>2</sub> O	0.30
		CO <sub>2</sub> e	156,912
CT-GEN-3	Generator Combustion Turbine 3	CO <sub>2</sub>	156,749.07
		CH <sub>4</sub>	2.95
		N <sub>2</sub> O	0.30
		CO <sub>2</sub> e	156,912
CT-GEN-4	Generator Combustion Turbine 4	CO <sub>2</sub>	156,749.07
		CH <sub>4</sub>	2.95
		N <sub>2</sub> O	0.30
		CO <sub>2</sub> e	156,912
CT-GEN-5	Generator Combustion Turbine 5	CO <sub>2</sub>	156,749.07
		CH <sub>4</sub>	2.95
		N <sub>2</sub> O	0.30
		CO <sub>2</sub> e	156,912
CT-GEN-6	Generator Combustion Turbine 6	CO <sub>2</sub>	156,749.07
		CH <sub>4</sub>	2.95
		N <sub>2</sub> O	0.30
		CO <sub>2</sub> e	156,912
CT-GEN-7	Generator Combustion Turbine 7	CO <sub>2</sub>	156,749.07
		CH <sub>4</sub>	2.95

## Emission Sources - Maximum Allowable Emission Rates

		N <sub>2</sub> O	0.30
		CO <sub>2</sub> e	156,912
CT-GEN-8	Generator Combustion Turbine 8	CO <sub>2</sub>	156,749.07
		CH <sub>4</sub>	2.95
		N <sub>2</sub> O	0.30
		CO <sub>2</sub> e	156,912
CT-GEN-9	Generator Combustion Turbine 9	CO <sub>2</sub>	156,749.07
		CH <sub>4</sub>	2.95
		N <sub>2</sub> O	0.30
		CO <sub>2</sub> e	156,912
HTR-1	Gas Turbine Preheater 1	CO <sub>2</sub>	1,946.97
		CH <sub>4</sub>	0.04
		N <sub>2</sub> O	<0.01
		CO <sub>2</sub> e	1,951
HTR-2	Gas Turbine Preheater 2	CO <sub>2</sub>	1,946.97
		CH <sub>4</sub>	0.04
		N <sub>2</sub> O	<0.01
		CO <sub>2</sub> e	1,951
TO-1	Thermal Oxidizer 1	CO <sub>2</sub>	472,886
		CH <sub>4</sub>	1.09
		N <sub>2</sub> O	0.08
		CO <sub>2</sub> e	472,936
TO-2	Thermal Oxidizer 2	CO <sub>2</sub>	472,886
		CH <sub>4</sub>	1.09
		N <sub>2</sub> O	0.08
		CO <sub>2</sub> e	472,936
TO-3	Thermal Oxidizer 3	CO <sub>2</sub>	472,886
		CH <sub>4</sub>	1.09
		N <sub>2</sub> O	0.08
		CO <sub>2</sub> e	472,936
TO-4	Thermal Oxidizer 4	CO <sub>2</sub>	472,886
		CH <sub>4</sub>	1.09
		N <sub>2</sub> O	0.08
		CO <sub>2</sub> e	472,936
ENG-GEN-1	Diesel Standby Generator 1	CO <sub>2</sub>	66.07
		CH <sub>4</sub>	<0.01
		N <sub>2</sub> O	<0.01
		CO <sub>2</sub> e	67
ENG-GEN-2	Diesel Standby Generator 2	CO <sub>2</sub>	66.07

## Emission Sources - Maximum Allowable Emission Rates

		CH <sub>4</sub>	<0.01
		N <sub>2</sub> O	<0.01
		CO <sub>2</sub> e	67
		CO <sub>2</sub>	66.07
ENG-GEN-3	Diesel Standby Generator 3	CH <sub>4</sub>	<0.01
		N <sub>2</sub> O	<0.01
		CO <sub>2</sub> e	67
		CO <sub>2</sub>	66.07
ENG-GEN-4	Diesel Standby Generator 4	CH <sub>4</sub>	<0.01
		N <sub>2</sub> O	<0.01
		CO <sub>2</sub> e	67
		CO <sub>2</sub>	66.07
ENG-FWP-1	Diesel Fire Water Pump 1	CH <sub>4</sub>	<0.01
		N <sub>2</sub> O	<0.01
		CO <sub>2</sub> e	21
		CO <sub>2</sub>	20.13
ENG-FWP-2	Diesel Fire Water Pump 2	CH <sub>4</sub>	<0.01
		N <sub>2</sub> O	<0.01
		CO <sub>2</sub> e	21
		CO <sub>2</sub>	20.13
FUGITIVES	Equipment Leak Fugitives (5)	CH <sub>4</sub>	88.34
		CO <sub>2</sub> e	2,226
		CO <sub>2</sub>	17.03
Circuit Breakers	Circuit Breakers (5)	SF <sub>6</sub>	0.01
		CO <sub>2</sub> e	192

- (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) CO<sub>2</sub> - carbon dioxide  
N<sub>2</sub>O - nitrous oxide  
CH<sub>4</sub> - methane  
SF<sub>6</sub> - sulfur hexafluoride  
CO<sub>2</sub>e - carbon dioxide equivalents, based on the following Global Warming Potentials from 40 CFR Part 98, subpart A, Table A-1, as published on November 29, 2013 (78 FR71904): CO<sub>2</sub> (1), CH<sub>4</sub> (25), N<sub>2</sub>O (298), and SF<sub>6</sub> (22,800)
- (4) Compliance with annual CO<sub>2</sub>e emission limits (tons per year) is based on a 12-month rolling period. Annual emission limits includes normal and planned maintenance, startup, and shutdown (MSS) emissions. For all non-CO<sub>2</sub>e GHG emissions, listed emission rates are given for informational purposes only and do not constitute an enforceable limit.
- (5) Fugitive emission rates are estimates and are enforceable through compliance with the applicable special conditions and permit application representations.