Permit Numbers 123117 and PSDTX1460

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)	
Turbine 1	Turbine 1 (5)	NO _x	5.42	25.80	
		NO _x (MSS)	47.00		
		СО	6.60	38.78	
		CO (MSS)	203.60		
		VOC	0.68	3.70	
		VOC (MSS)	15.00		
		PM	6.98	30.58	
		PM ₁₀	6.98	30.58	
		PM _{2.5}	6.98	30.58	
		SO ₂	0.07	0.31	
		H ₂ SO ₄	0.01	0.04	
		NH ₃	7.01	30.70	
Turbine 2	Turbine 2 (5)	NO _x	5.42	25.80	
		NO _x (MSS)	47.00		
		СО	6.60	38.78	
		CO (MSS)	203.60		
		VOC	0.68	3.70	
		VOC (MSS)	15.00		
		PM	6.98	30.58	
		PM ₁₀	6.98	30.58	
		PM _{2.5}	6.98	30.58	
		SO ₂	0.07	0.31	
		H ₂ SO ₄	0.01	0.04	
		NH ₃	7.01	30.70	
LUBE-VENT	Turbine 1 and 2 Lube Oil Vents	voc	0.04	0.16	
BLR1	Boiler 1 (5)	NO _x	4.17	18.59	

		NO _X (MSS)	10.51	
		со	15.22	66.65
		VOC	0.54	2.44
		VOC (MSS)	2.02	
		PM	1.95	8.53
		PM ₁₀	1.95	8.53
		PM _{2.5}	1.95	8.53
		SO ₂	0.05	0.20
		H ₂ SO ₄	0.01	0.04
		NH ₃	1.85	8.10
BLR2	Boiler 2 (5)	NOx	4.17	18.59
		NO _x (MSS)	10.51	
		со	15.22	66.65
		voc	0.54	2.44
		VOC (MSS)	2.02	
		PM	1.95	8.53
		PM ₁₀	1.95	8.53
		PM _{2.5}	1.95	8.53
		SO ₂	0.05	0.20
		H ₂ SO ₄	0.01	0.04
		NH ₃	1.85	8.10
BLR3	Boiler 3 (5)	NO _x	4.17	18.59
		NO _x (MSS)	10.51	
		со	15.22	66.65
		VOC	0.54	2.44
		VOC (MSS)	2.02	
		PM	1.95	8.53
		PM ₁₀	1.95	8.53
		PM _{2.5}	1.95	8.53

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		SO ₂	0.05	0.20
		H ₂ SO ₄	0.01	0.04
		NH ₃	1.85	8.10
DP-HTR	Dew Point Heater (5)	NO _x	0.42	1.86
		СО	0.40	1.77
		VOC	0.20	0.88
		РМ	0.03	0.13
		PM ₁₀	0.03	0.13
		PM _{2.5}	0.03	0.13
		SO ₂	0.01	0.01
CTWR1	Cooling Tower 1	PM	0.25	0.72
		PM ₁₀	0.16	0.46
		PM _{2.5}	<0.01	<0.01
CTWR2	Cooling Tower 2	PM	0.25	0.72
		PM ₁₀	0.16	0.46
		PM _{2.5}	<0.01	<0.01
EDG	Emergency Generator (5)	NO _x	2.21	0.11
		СО	11.47	0.57
		VOC	0.62	0.03
		PM	0.10	0.01
		PM ₁₀	0.10	0.01
		PM _{2.5}	0.10	0.01
		SO ₂	0.04	0.01
DTANK	Diesel Fuel Storage Tank	VOC	0.10	<0.01
LUBE-TANKS	Lube 1 & 2 Tanks	VOC	0.02	0.01
FUG-FUEL	Fuel Fugitives (6)	VOC	0.10	0.43
FUG-NH₃	Ammonia Fugitives (6)	NH ₃	0.01	0.05

⁽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_x - 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_{10} and $PM_{2.5}$ PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$

PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter

 SO_2 - sulfur dioxide H_2SO_4 - sulfuric acid NH_3 - ammonia

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

- (5) Planned maintenance, startup and shutdown (MSS) 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:	February 10,	2017
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Permit Number GHGPDTX135

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	
			lbs/hour	TPY (4)
Turbine 1	Turbine 1	N ₂ O (5)	-	1
		CH ₄ (5)	-	7
		CO ₂ (5)	-	384,133
		CO ₂ e	-	384,530
Turbine 2	Turbine 2	N ₂ O (5)	-	1
		CH ₄ (5)	-	7
		CO ₂ (5)	-	384,133
		CO ₂ e	-	384,530
BLR1	Boiler 1	N ₂ O (5)	-	2
		CH ₄ (5)	-	12
		CO ₂ (5)	-	263,768
		CO ₂ e	-	264,791
BLR2	Boiler 2	N ₂ O (5)	-	2
		CH ₄ (5)	-	12
		CO ₂ (5)	-	263,768
		CO ₂ e	-	264,791
BLR3	Boiler 3	N ₂ O (5)	-	2
		CH ₄ (5)	-	12
		CO ₂ (5)	-	263,768
		CO ₂ e	-	264,791
DP-HTR	Dew Point Heater	N ₂ O (5)	-	<1
		CH ₄ (5)	-	<1
		CO ₂ (5)	-	2,048
		CO ₂ e	-	2,050

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EDG I	Emergency Generator	N ₂ O (5)	-	<1
		CH ₄ (5)	-	<1
		CO ₂ (5)	-	169
		CO ₂ e	-	169
FUG-FUEL	Fuel Fugitives	CH ₄ (5)	-	20
		CO ₂ (5)	-	<1
		CO ₂ e	-	498
FUG-SF ₆	SF ₆ Circuit Breakers	SF ₆ (5)	-	<1
		CO₂e	-	102

(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.

 $\begin{array}{cccc} \text{(3)} & \text{N}_2\text{O} & & - & \text{nitrous oxide} \\ & \text{CH}_4 & & - & \text{methane} \\ & \text{CO}_2 & & - & \text{carbon dioxide} \\ & \text{SF}_6 & & - & \text{sulfur hexafluoride} \\ \end{array}$

CO₂e - carbon dioxide equivalents based on the following Global Warming Potentials (1/2015):

CO₂ (1), N₂O (298), CH₄ (25), SF₆ (22,800).

(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period. These rates include emissions from maintenance, startup, and shutdown.

(5) Emission rate is given for informational purposes only and does not constitute enforceable limit.

Date:	February 10, 2017	