Permit Numbers 135322 and PSDTX1470

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 | |
|---------------------------|-----------------------------|-----------------------------|--------------|---------|--|
| 140. (2) | (=) | riamo (o) | lbs/hour (4) | TPY (5) | |
| SCCT1 | Simple Cycle | NO _x | 73.50 | 75.33 | |
| | Combustion Turbine 1 | NO _x (MSS) | 102.84 | 1 | |
| | (Siemens SCC6- 5000F(5)) | СО | 43.00 | 173.82 | |
| | | CO (MSS) | 2137 | | |
| | | PM | 8.50 | 8.50 | |
| | | PM ₁₀ | 8.50 | 8.50 | |
| | | PM _{2.5} | 8.50 | 8.50 | |
| | | VOC | 2.80 | 17.91 | |
| | | VOC (MSS) | 244.59 | | |
| | | SO ₂ | 9.65 | 9.65 | |
| | | HAPs | 0.91 | 3.68 | |
| | | HAPs (MSS) | 45.27 |] | |
| SCCT2 | Simple Cycle | NO _x | 73.50 | 75.33 | |
| | Combustion Turbine 2 | NO _x (MSS) | 102.84 | | |
| | (Siemens SCC6- 5000F(5)) | СО | 43.00 | 173.82 | |
| | | CO (MSS) | 2137 | | |
| | | РМ | 8.50 | 8.50 | |
| | | PM ₁₀ | 8.50 | 8.50 | |
| | | PM _{2.5} | 8.50 | 8.50 | |
| | | VOC | 2.80 | 17.91 | |
| | | VOC (MSS) | 244.59 | | |
| | | SO ₂ | 9.65 | 9.65 | |
| | | HAPs | 0.91 | 3.68 | |

| | | HAPs (MSS) | 45.27 | |
|-------|-------------------------------------|---|--------|--------|
| SCCT3 | Simple Cycle | NO _x | 73.50 | 75.33 |
| | Combustion Turbine 3 | NO _x (MSS) | 102.84 | |
| | (Siemens SCC6- 5000F(5)) | СО | 43.00 | 173.82 |
| | | CO (MSS) | 2137 | |
| | | РМ | 8.50 | 8.50 |
| | | PM ₁₀ | 8.50 | 8.50 |
| | | PM _{2.5} | 8.50 | 8.50 |
| | | VOC | 2.80 | 17.91 |
| | | VOC (MSS) | 244.59 | |
| | | SO ₂ | 9.65 | 9.65 |
| | | HAPs | 0.91 | 3.68 |
| | | HAPs (MSS) | 45.27 | |
| SCCT4 | Simple Cycle | NO _x | 73.50 | 75.33 |
| | Combustion Turbine 4 | NO _x (MSS) | 102.84 | |
| | (Siemens SCC6- 5000F(5)) | СО | 43.00 | 173.82 |
| | | CO (MSS) | 2137 | |
| | | PM | 8.50 | 8.50 |
| | | PM ₁₀ | 8.50 | 8.50 |
| | | PM _{2.5} | 8.50 | 8.50 |
| | | VOC | 2.80 | 17.91 |
| | | VOC (MSS) | 244.59 | |
| | | SO ₂ | 9.65 | 9.65 |
| | | HAPs | 0.91 | 3.68 |
| | | HAPs (MSS) | 45.27 | |
| HRSG1 | Combined Cycle | NO _x | 22.80 | 107.70 |
| | Combustion Turbine 1 (Siemens SCC6- | NO _x (MSS, Multiple SUSD) | 201.87 | |
| | 5000F(5) and 700 MMBtu/hr | NO _x (MSS, Single SUSD) | 73.04 | |

| | Duct burners) | | | |
|-------|-------------------------------------|---|--------|--------|
| | | СО | 13.90 | 397.49 |
| | | CO (MSS, Multiple SUSD) | 2708 | |
| | | CO (MSS, Single SUSD) | 854.55 | |
| | | PM | 17.60 | 55.49 |
| | | PM ₁₀ | 17.60 | 55.49 |
| | | PM _{2.5} | 17.60 | 55.49 |
| | | VOC | 12.50 | 61.15 |
| | | VOC (MSS, Multiple SUSD) | 264.04 | |
| | | VOC (MSS, Single SUSD) | 84.79 | |
| | | SO ₂ | 12.72 | 46.88 |
| | | H ₂ SO ₄ Mist | 5.85 | 21.53 |
| | | (NH ₄) ₂ SO ₄ | 7.88 | 29.01 |
| | | NH ₃ | 21.10 | 78.31 |
| | | HAPs | 0.32 | 8.46 |
| | | HAPs (MSS, Multiple SUSD) | 57.37 | |
| | | HAPs (MSS, Single SUSD) | 18.11 | |
| HRSG2 | Combined Cycle | NO _x | 22.80 | 107.70 |
| | Combustion Turbine 2 (Siemens SCC6- | NO _x (MSS, Multiple SUSD) | 201.87 | |
| | 5000F(5) and 700 MMBtu/hr | NO _x (MSS, Single SUSD) | 73.04 | |
| | Duct burners) | СО | 13.90 | 397.49 |
| | | CO (MSS, Multiple SUSD) | 2708 | |
| | | CO (MSS, Single SUSD) | 854.55 | |
| | | PM | 17.60 | 55.49 |
| | | PM ₁₀ | 17.60 | 55.49 |

| | | PM _{2.5} | 17.60 | 55.49 |
|-------|---|---|--------|--------|
| | | VOC | 12.50 | 61.15 |
| | | VOC (MSS, Multiple SUSD) | 264.04 | |
| | | VOC (MSS, Single SUSD) | 84.79 | |
| | | SO ₂ | 12.72 | 46.88 |
| | | H ₂ SO ₄ Mist | 5.85 | 21.53 |
| | | (NH ₄) ₂ SO ₄ | 7.88 | 29.01 |
| | | NH ₃ | 21.10 | 78.31 |
| | | HAPs | 0.32 | 8.46 |
| | | HAPs (MSS, Multiple SUSD) | 57.37 | |
| | | HAPs (MSS, Single SUSD) | 18.11 | |
| HRSG3 | Combined Cycle | NO _x | 22.80 | 107.70 |
| | Combustion Turbine 3 (Siemens SCC6- | NO _x (MSS, Multiple SUSD) | 201.87 | |
| | 5000F(5) and 700 MMBtu/hr Duct burners) | NO _x (MSS, Single SUSD) | 73.04 | |
| | Duct burners) | со | 13.90 | 397.49 |
| | | CO (MSS, Multiple SUSD) | 2708 | - |
| | | CO (MSS, Single SUSD) | 854.55 | |
| | | PM | 17.60 | 55.49 |
| | | PM ₁₀ | 17.60 | 55.49 |
| | | PM _{2.5} | 17.60 | 55.49 |
| | | VOC | 12.50 | 61.15 |
| | | VOC (MSS, Multiple SUSD) | 264.04 | |
| | | VOC (MSS, Single SUSD) | 84.79 | |
| | | SO ₂ | 12.72 | 46.88 |

| | | H ₂ SO ₄ Mist | 5.85 | 21.53 |
|---------------------|-------------------------------------|---|--------|--------|
| | | (NH ₄) ₂ SO ₄ | 7.88 | 29.01 |
| | | NH ₃ | 21.10 | 78.31 |
| | | HAPs | 0.32 | 8.46 |
| | | HAPs (MSS, Multiple SUSD) | 57.37 | |
| | | HAPs (MSS, Single SUSD) | 18.11 | |
| HRSG4 | Combined Cycle | NO _x | 22.80 | 107.70 |
| | Combustion Turbine 4 (Siemens SCC6- | NO _x (MSS, Multiple SUSD) | 201.87 | |
| | 5000F(5) and 700 MMBtu/hr | NO _x (MSS, Single SUSD) | 73.04 | |
| | Duct burners) | СО | 13.90 | 397.49 |
| | | CO (MSS, Multiple SUSD) | 2708 | |
| | | CO (MSS, Single SUSD) | 854.55 | |
| | | РМ | 17.60 | 55.49 |
| | | PM ₁₀ | 17.60 | 55.49 |
| | | PM _{2.5} | 17.60 | 55.49 |
| | | VOC | 12.50 | 61.15 |
| | | VOC (MSS, Multiple SUSD) | 264.04 | |
| | | VOC (MSS, Single SUSD) | 84.79 | |
| | | SO ₂ | 12.72 | 46.88 |
| | | H ₂ SO ₄ Mist | 5.85 | 21.53 |
| | | (NH ₄) ₂ SO ₄ | 7.88 | 29.01 |
| | | NH ₃ | 21.10 | 78.31 |
| | | HAPs | 0.32 | 8.46 |
| | | HAPs (MSS, Multiple SUSD) | 57.37 | |
| | | HAPs (MSS, Single | 18.11 | |
| Project Numbers: 24 | N801 240807 | | | |

| | | SUSD) | | |
|-------------------------|------------------------------|---|--------|---------|
| HRSG1, | Annual | NO _x | | 651.15 |
| HRSG2, HRSG3, | Emissions Cap 2 2x1 CCCTs | СО | | 2091.00 |
| HRSG4, SCCT1, SCCT2, | | РМ | | 221.95 |
| SCCT3, SCCT4 | | PM ₁₀ | | 221.95 |
| | | PM _{2.5} | | 221.95 |
| | | VOC | | 289.18 |
| | | SO ₂ | | 187.51 |
| | | H ₂ SO ₄ Mist | | 86.14 |
| | | (NH ₄) ₂ SO ₄ | | 116.05 |
| | | NH ₃ | | 313.22 |
| | | HAPs | | 44.44 |
| FPENG | Fire Pump Engine | NO _x | 1.57 | 0.08 |
| | | СО | 1.43 | 0.07 |
| | | РМ | 0.08 | 0.01 |
| | | PM ₁₀ | 0.08 | 0.01 |
| | | PM _{2.5} | 0.08 | 0.01 |
| | | VOC | 0.08 | 0.01 |
| | | SO ₂ | < 0.01 | < 0.01 |
| EGEN | Emergency | NO _x | 13.40 | 0.67 |
| | Generator | со | 7.72 | 0.39 |
| | | РМ | 0.44 | 0.02 |
| | | PM ₁₀ | 0.44 | 0.02 |
| | | PM _{2.5} | 0.44 | 0.02 |
| | | VOC | 0.71 | 0.04 |
| | | SO ₂ | 0.02 | 0.01 |
| | | HAPs | 0.04 | <0.01 |
| BOILER | Auxiliary Boiler | NO _x | 1.18 | 1.18 |
| | | СО | 1.21 | 1.21 |

| | | PM | 0.33 | 0.33 |
|---------|---|-------------------|------|------|
| | | PM ₁₀ | 0.33 | 0.33 |
| | | PM _{2.5} | 0.33 | 0.33 |
| | | VOC | 0.10 | 0.10 |
| | | SO ₂ | 0.14 | 0.14 |
| | | HAPs | 0.06 | 0.06 |
| LOV-1 | Lube Oil Vent 1 (6) | VOC | 0.09 | 0.40 |
| LOV-2 | Lube Oil Vent 2 (6) | VOC | 0.09 | 0.40 |
| LOV-3 | Lube Oil Vent 3 (6) | VOC | 0.09 | 0.40 |
| LOV-4 | Lube Oil Vent 4 (6) | VOC | 0.09 | 0.40 |
| LOV-5 | Lube Oil Vent 5 (6) | VOC | 0.09 | 0.40 |
| LOV-6 | Lube Oil Vent 6 (6) | VOC | 0.09 | 0.40 |
| NH₃-FUG | Fugitive Emissions - Ammonia (6) | NH ₃ | 0.21 | 0.91 |
| NG-FUG | Fugitives Emissions - Natural Gas (6) | VOC | 0.01 | 0.02 |
| EGTANK | Diesel Tank - Emergency Generator (6) | VOC | 0.02 | 0.01 |
| FRPTANK | Diesel Tank - Fire Pump Engine (6) | VOC | 0.02 | 0.01 |
| ILE-MSS | Inherently Low | NO _x | 0.01 | 0.01 |
| | Emitting Maintenance | СО | 0.01 | 0.01 |
| | Activities (6) | РМ | 0.05 | 0.01 |
| | | PM ₁₀ | 0.05 | 0.01 |
| | | PM _{2.5} | 0.05 | 0.01 |
| | | VOC | 3.13 | 0.04 |

| | SO ₂ | 0.01 | 0.01 |
|--|-----------------|------|------|
| | NH ₃ | 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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

 NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as

represented

 PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as

represented

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

CO - carbon monoxide

NH₃ - ammonia

H₂SO₄ - sulfuric acid mist (NH₄)₂SO₄ - ammonium sulfate

- hazardous air pollutants as listed in § 112(b) of the Federal Clean Air Act or Title 40

Code of Federal Regulations Part 63, Subpart C

MSS - maintenance, startup, and shutdown

SUSD - startup, shutdown

- (4) Planned maintenance, startup, and shutdown (MSS) lbs/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.
- (5) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period. Annual limits include MSS activities.
- (6) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

| Date: | April 28, 2017 |
|-------|----------------|

Emission Sources - Maximum Allowable Emission Rates

Permit Number GHGPSDTX141

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 | Emission Rates |
|------------------------|--|----------------------|----------------|
| | | Name (3) | TPY (4) |
| SCCT1 | Simple Cycle Combustion Turbine 1 (Siemens SCC6- | CH ₄ (5) | 46.46 |
| | 5000F(5)) | N ₂ O (5) | 6.59 |
| | | CO ₂ (5) | 261,129 |
| | | CO ₂ e | 264,255 |
| SCCT2 | Simple Cycle Combustion Turbine 2 (Siemens SCC6- | CH ₄ (5) | 46.46 |
| | 5000F(5)) | N ₂ O (5) | 6.59 |
| | | CO ₂ (5) | 261,129 |
| | | CO ₂ e | 264,255 |
| SCCT3 | Simple Cycle Combustion Turbine 3 (Siemens SCC6- 5000F(5)) | CH ₄ (5) | 46.46 |
| | | N ₂ O (5) | 6.59 |
| | | CO ₂ (5) | 261,129 |
| | | CO₂e | 264,255 |
| SCCT4 | Simple Cycle Combustion Turbine 4 (Siemens SCC6- | CH ₄ (5) | 46.46 |
| | 5000F(5)) | N ₂ O (5) | 6.59 |
| | | CO ₂ (5) | 261,129 |
| | | CO ₂ e | 264,255 |
| HRSG1 | Combined Cycle Combustion Turbine 1 (Siemens SCC6- | CH ₄ (5) | 229.30 |
| | 5000F(5) and 700 MMBtu/hr | N ₂ O (5) | 32.02 |
| | Duct burners) | CO ₂ (5) | 1,268,546 |

| | | CO ₂ e | 1,283,820 |
|--|---|----------------------|-----------|
| HRSG2 | Combined Cycle Combustion | CH ₄ (5) | 229.30 |
| | Turbine 2 (Siemens SCC6-5000F(5) and 700 MMBtu/hr | N ₂ O (5) | 32.02 |
| | Duct burners) | CO ₂ (5) | 1,268,546 |
| | - | CO ₂ e | 1,283,820 |
| HRSG3 | Combined Cycle Combustion Turbine 3 (Siemens SCC6- | CH ₄ (5) | 229.30 |
| | 5000F(5) and 700 MMBtu/hr | N ₂ O (5) | 32.02 |
| | Duct burners) | CO ₂ (5) | 1,268,546 |
| | | CO ₂ e | 1,283,820 |
| HRSG4 | Combined Cycle Combustion Turbine 4 (Siemens SCC6- | CH ₄ (5) | 229.30 |
| | 5000F(5) and 700 MMBtu/hr Duct burners) | N ₂ O (5) | 32.02 |
| | | CO ₂ (5) | 1,268,546 |
| | | CO ₂ e | 1,283,820 |
| HRSG1, HRSG2, HRSG3, HRSG4, SCCT1, SCCT2, | Annual Emissions Cap 2 2x1 CCCTs | CH ₄ (5) | 1,031 |
| SCCT3, SCCT4 | CCCTS | N ₂ O (5) | 128.1 |
| | | CO ₂ (5) | 5,074,183 |
| | | CO ₂ e | 5,138,130 |
| FPENG | Fire Pump Engine | CH ₄ (5) | <0.01 |
| | | N ₂ O (5) | <0.01 |
| | | CO ₂ (5) | 13.72 |
| | | CO ₂ e | 13.77 |
| EGEN | Emergency Generator | CH ₄ (5) | <0.01 |
| | | N ₂ O (5) | <0.01 |
| | | CO ₂ (5) | 80.89 |
| | | CO ₂ e | 81.17 |
| BOILER | Auxiliary Boiler | CH ₄ (5) | 0.07 |

Project Number: 240898

| | | N ₂ O (5) | <0.01 |
|------------------|--|----------------------|-------|
| | | CO ₂ (5) | 3,820 |
| | | CO ₂ e | 3,824 |
| GHG-FUG | Fugitive Emissions – GHG (6), including SF6 from Circuit | SF ₆ (5) | <0.01 |
| | Breakers | CO ₂ e | 37.4 |
| NG-FUG | NG-FUG Fugitives: Methane from Natural Gas (6) | CH ₄ (5) | 0.85 |
| ivalurai Gas (0) | CO ₂ e | 21.37 | |
| 122 11100 | Inherently Low Emitting Maintenance Activities (6) | CH ₄ (5) | 0.45 |
| | Maintenance / telivilles (6) | CO ₂ e | 11.21 |

- (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) CO₂ carbon dioxide N₂O - nitrous oxide

CH₄ - methane

SF₆ - sulfur hexafluoride

CO₂e - carbon dioxide equivalents, based on the following Global Warming Potentials from 40 CFR Part 98, subpart A, Table A-1, effective January 1, 2015: CO₂ (1), CH₄ (25), N₂O (298), and SF₆ (22,800)

- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period. Annual emission limits include both normal and maintenance, startup, and shutdown (MSS) emissions.
- (5) Emission rate is given for informational purposes only and does not constitute enforceable limit.
- (6) Emission rate is an estimate and is enforceable through compliance with the applicable special conditions and permit application representations.

| Date: | April 28, 2017 |
|-------|----------------|