

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 83638 and PSDTX1110

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) |
| E-ST4 | GE 7HA.02 (5) ~365 MW + 802 MMBtu/hr DB | NO _x | 33.35 | 187.72 |
| | | NO _x (MSS) | 420.00 | |
| | | CO | 40.60 | 879.60 |
| | | CO (MSS) | 7636.66 | |
| | | VOC | 23.20 | 182.85 |
| | | VOC (MSS) | 1323.78 | |
| | | PM | 22.26 | 90.28 |
| | | PM ₁₀ | 22.26 | 90.28 |
| | | PM _{2.5} | 22.26 | 90.28 |
| | | SO ₂ | 24.38 | 24.19 |
| | | H ₂ SO ₄ | 4.33 | 4.11 |
| | | NH ₃ | 61.74 | 229.34 |
| | | (NH ₄) ₂ SO ₄ | 22.26 | 25.59 |
| E-ST5 | GE 7HA.02 (5) ~365 MW + 802 MMBtu/hr DB | NO _x | 33.35 | 187.72 |
| | | NO _x (MSS) | 420.00 | |
| | | CO | 40.60 | 879.60 |
| | | CO (MSS) | 7636.66 | |
| | | VOC | 23.20 | 182.85 |
| | | VOC (MSS) | 1323.78 | |
| | | PM | 22.26 | 90.28 |
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|-----------|------------------------------------|---|-------|--------|
| | | SO ₂ | 24.38 | 24.19 |
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| | | NH ₃ | 61.74 | 229.34 |
| | | (NH ₄) ₂ SO ₄ | 22.26 | 25.59 |
| E-LOV4 | Turbine 4 Lube Vent Oil Vent | VOC | <0.01 | 0.01 |
| | | PM | <0.01 | 0.01 |
| | | PM ₁₀ | <0.01 | 0.01 |
| | | PM _{2.5} | <0.01 | 0.01 |
| E-LOV5 | Turbine 5 Lube Vent Oil Vent | VOC | <0.01 | 0.01 |
| | | PM | <0.01 | 0.01 |
| | | PM ₁₀ | <0.01 | 0.01 |
| | | PM _{2.5} | <0.01 | 0.01 |
| E-LOVST6 | Steam Turbine 6 Lube Vent Oil Vent | VOC | <0.01 | 0.01 |
| | | PM | <0.01 | 0.01 |
| | | PM ₁₀ | <0.01 | 0.01 |
| | | PM _{2.5} | <0.01 | 0.01 |
| E-DPHTR1 | Dew Point Heater 1 | NO _x | 0.25 | 1.12 |
| | | CO | 0.51 | 2.22 |
| | | VOC | 0.04 | 0.17 |
| | | PM | 0.05 | 0.23 |
| | | PM ₁₀ | 0.05 | 0.23 |
| | | PM _{2.5} | 0.05 | 0.23 |
| | | SO ₂ | 0.04 | 0.17 |
| E-AUXBLR2 | Auxiliary Boiler 30.1 MMBtu/hr | NO _x | 1.08 | 4.75 |
| | | CO | 1.11 | 4.88 |
| | | VOC | 1.17 | 0.73 |
| | | PM | 0.15 | 0.66 |
| | | PM ₁₀ | 0.15 | 0.66 |
| | | PM _{2.5} | 0.15 | 0.66 |

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| | | | | |
|------------------------|---------------------------------|-------------------|-------|-------|
| | | SO ₂ | 0.17 | 0.19 |
| E-PUMP2 | Fire Water Pump 2 | NO _x | 1.31 | 0.07 |
| | | CO | 0.44 | 0.02 |
| | | VOC | 0.05 | <0.01 |
| | | PM | 0.05 | <0.01 |
| | | PM ₁₀ | 0.05 | <0.01 |
| | | PM _{2.5} | 0.05 | <0.01 |
| | | SO ₂ | <0.01 | <0.01 |
| E-GEN2 | Emergency Generator Unit 2 | NO _x | 21.85 | 1.09 |
| | | CO | 1.99 | 0.10 |
| | | VOC | 0.70 | 0.035 |
| | | PM | 0.16 | 0.01 |
| | | PM ₁₀ | 0.16 | 0.01 |
| | | PM _{2.5} | 0.16 | 0.01 |
| | | SO ₂ | 0.02 | <0.01 |
| E-DSLTK1 | Diesel Tank 1 | VOC | 0.07 | <0.01 |
| E-DSLTK2 | Diesel Tank 2 | VOC | 0.01 | <0.01 |
| E-PIPFUG2 | Fugitive Components 2 (6) | VOC | 0.05 | 0.22 |
| E-NH ₃ FUG2 | Ammonia Fugitive Components (6) | NH ₃ | 0.12 | 0.51 |
| E-ILEMSS2 | ILE Maintenance Fugitives (6) | NO _x | <0.01 | <0.01 |
| | | CO | <0.01 | <0.01 |
| | | VOC | 0.12 | <0.01 |
| | | PM | 0.14 | 0.02 |
| | | PM ₁₀ | 0.14 | 0.02 |
| | | PM _{2.5} | 0.09 | 0.02 |
| | | 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

Emission Sources - Maximum Allowable Emission Rates

| | |
|---|--|
| NO _x | - total oxides of nitrogen |
| SO ₂ | - sulfur dioxide |
| PM | - total particulate matter |
| PM ₁₀ | - 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 |
| CO | - carbon monoxide |
| NH ₃ | - ammonia |
| H ₂ SO ₄ | sulfuric acid |
| (NH ₄) ₂ SO ₄ | ammonia sulfate |
| MSS | - indicates maintenance, startup, and shutdown emissions |

- (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: March 1, 2019