

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 40040 and PSD-TX-923

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. 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 * | |
|---------------------------|--------------------|-----------------------------|------------------|-----|
| | | | lb/hr | TPY |

HOURLY EMISSION LIMITS

Case I: Natural Gas Firing - Normal Operation, including Partial Load

| | | | |
|--|-----------------------|------------------|-------|
| STACK1, STACK2, STACK3, or STACK4 | Gas Turbine ABB GT 24 | NO _x | 34.0 |
| | | CO | 254.0 |
| | | VOC | 17.6 |
| | | SO ₂ | 4.2 |
| | | PM ₁₀ | 20.0 |
| | | NH ₃ | 25.2 |

Case II: Natural Gas Firing - Evaporative Cooling and Steam Injection Mode

| | | | |
|--|-----------------------|------------------|-------|
| STACK1, STACK2, STACK3, or STACK4 | Gas Turbine ABB GT 24 | NO _x | 34.0 |
| | | CO | 105.0 |
| | | VOC | 10.0 |
| | | SO ₂ | 5.2 |
| | | PM ₁₀ | 24.3 |
| | | NH ₃ | 24.7 |

Case III: Fuel Oil Firing

| | | | |
|--|-----------------------|------------------|-------|
| STACK1, STACK2, STACK3, or STACK4 | Gas Turbine ABB GT 24 | NO _x | 77.0 |
| | | CO | 310.0 |
| | | VOC | 18.0 |
| | | SO ₂ | 111.0 |
| | | PM ₁₀ | 112.0 |
| | | NH ₃ | 31.1 |

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AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * | |
|---------------------------|--------------------|-----------------------------|------------------|-----|
| | | | lb/hr | TPY |

ANNUAL EMISSION LIMITS FOR ALL FOUR TURBINES COMBINED

| | | | | |
|-----------------------|---------------------------------|------------------|----|-------|
| STACK1, STACK2, | Gas Turbine ABB GT 24 | NO _x | | 611.2 |
| | Total of Four Turbines Combined | | CO | |
| | 865.9 | | | |
| STACK3, and STACK4 | | VOC | | 132.4 |
| | | SO ₂ | | 213.2 |
| | | PM ₁₀ | | 478.4 |
| | | NH ₃ | | 418.8 |

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. 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
- PM₁₀ - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
- CO - carbon monoxide
- NH₃ - ammonia

* Emission rates are based on and the facilities are limited by the following maximum operating schedule. The allowables listed apply to each of the four gas turbine stacks.

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

Dated June 21, 2002