

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 40418

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 |
| 01 | HRSG Stack (4) (Natural gas fired in Combustion Turbine Generator [CTG] and Duct Burner [DB]) | NO _x | 24.39 | 107.64 |
| | | CO | 7.34 | 32.27 |
| | | VOC | 4.20 | 18.42 |
| | | PM ₁₀ | 2.58 | 11.39 |
| | | SO ₂ | 1.35 | 8.76 |
| 01 | HRSG Stack (5) (No. 2 fuel oil fired in CGT and natural gas fired in DB) | NO _x | 32.78 | |
| | | CO | 8.64 | |
| | | VOC | 4.40 | |
| | | PM ₁₀ | 3.50 | |
| | | SO ₂ | 31.79 | |
| 01 | HRSG Stack (Natural gas fired in DB in fresh air mode) | NO _x | 7.50 | |
| | | CO | 5.00 | |
| | | VOC | 3.00 | |
| | | PM ₁₀ | 0.50 | |
| | | SO ₂ | 0.68 | |
| 03 | Backup Boiler (12/99) (Natural gas fired) | NO _x | 7.97 | |
| | | CO | 6.69 | |
| | | VOC | 0.44 | |
| | | PM ₁₀ | 0.61 | |
| | | SO ₂ | 0.82 | |
| 03 | Backup Boiler (12/99) (No. 2 Fuel Oil fired) | NO _x | 11.40 | |
| | | CO | 2.85 | |
| | | VOC | 0.11 | |
| | | PM ₁₀ | 1.88 | |
| | | SO ₂ | 16.19 | |

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AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * | |
|---------------------------|--|-----------------------------|------------------|------|
| | | | lb/hr | TPY |
| 03 | Backup Boiler (12/99) (combined natural gas and No. 2 fuel oil) | NO _x | | 6.07 |
| | | CO | | 4.82 |
| | | VOC | | 0.32 |
| | | PM ₁₀ | | 0.56 |
| | | SO ₂ | | 2.27 |

(1) Emission point identification.

(2) Specific point source name.

(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code Section 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

(4) The lb/hr emission rates are for natural gas firing only. The TPY emission rate for EPN 01 includes 192 hours of No. 2 fuel oil firing per year.

(5) No. 2 fuel oil is authorized for firing in the CGT and standby boiler only and is limited to 192 hours per year.

* HRSG, EPN 01, annual emission rates are based on operating 8,760 hours per year. Backup Boiler, EPN 03, annual emission rates are based on 1,440 hours per year of natural gas firing or 1,248 hours of natural gas plus 192 hours on No. 2 fuel oil. Backup boiler annual emission rates listed for each pollutant represents the worst case of either all natural gas firing or the combination of natural gas and fuel oil firing. **(12/99)**

Dated January 31, 2002