

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 35876

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 |
| 3 | Burner Test Facility Stack (Pre Burner plus Duct Burner Maximum Annual Rates - All Configurations) | NO _x | | 5.20 |
| | | CO | | 2.09 |
| | | SO ₂ | | 2.82 |
| | | VOC | | 0.63 |
| | | PM ₁₀ | | 0.10 |
| 3 | Burner Test Facility Stack (Preburner Only - Natural Gas) | NO _x | 3.00 | |
| | | CO | 1.22 | |
| | | SO ₂ | 0.01 | |
| | | VOC | 0.06 | |
| | | PM ₁₀ | 0.28 | |
| 3 | Burner Test Facility Stack (Preburner Only - No. 2 Fuel Oil) | NO _x | 2.67 | |
| | | CO | 0.67 | |
| | | SO ₂ | 5.68 | |
| | | VOC | 0.03 | |
| | | PM ₁₀ | 0.27 | |
| 3 | Burner Test Facility Stack (Preburner - Natural Gas and Duct Burner - Natural Gas) | NO _x | 6.00 | |
| | | CO | 3.05 | |
| | | SO ₂ | 0.03 | |
| | | VOC | 0.14 | |
| | | PM ₁₀ | 0.70 | |
| 3 | Burner Test Facility Stack (Preburner - No. 2 Fuel Oil and Duct Burner - Natural Gas) | NO _x | 5.67 | |
| | | CO | 2.50 | |
| | | SO ₂ | 5.70 | |
| | | VOC | 0.11 | |
| | | PM ₁₀ | 0.69 | |

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AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * | |
|---------------------------|--|-----------------------------|------------------|-------|
| | | | lb/hr | TPY |
| 3 | Burner Test Facility Stack (Preburner - Natural Gas and Duct Burner No. 2 Fuel Oil) | NO _x | 7.00 | |
| | | CO | 2.22 | |
| | | SO ₂ | 8.53 | |
| | | VOC | 0.10 | |
| | | PM ₁₀ | 0.68 | |
| 3 | Burner Test Facility Stack (Preburner - No. 2 Fuel Oil and Duct Burner No. 2 Fuel Oil) | NO _x | 6.67 | |
| | | CO | 1.67 | |
| | | SO ₂ | 14.20 | |
| | | VOC | 0.07 | |
| | | PM ₁₀ | 0.67 | |
| 6 | Tank No. 2 | VOC | 3.87 | 16.95 |
| FUG | Fugitive Components (4) | VOC | 0.31 | 1.38 |

- (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
SO₂ - sulfur dioxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
PM₁₀ - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
- (4) Fugitive emissions are an estimate based on component count and appropriate equipment leak factors for oil and gas service.

* Emission rates are based on and the facilities are limited by the maximum operating schedule for each firing condition specified above and for the maximum hours per year of operation as specified in Special Condition No. 1. Tank emissions and fugitive emissions are based on continuous service of 8,760 hours per year.

Dated February 3, 2006