

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 8707 and PSDTX655M1

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** |
| 10/11 | Two 501 KB5 Allison Turbines with 1/2 Duct Burner Contribution Cogeneration (5) | CO (7) | 6.41 | 24.32 |
| | | NO _x (7) | 22.00 | 83.22 |
| | | PM ₁₀ | 0.82 | 3.34 |
| | | SO ₂ | 1.44 | 0.82 |
| | | VOC | 0.28 | 1.21 |
| 10/11 | Two 501 KC5 Allison Turbines with 1/2 Duct Burner Contribution Fractionator (5) | CO (7) | 7.63 | 33.01 |
| | | NO _x (7) | 35.94 | 101.51 |
| | | PM ₁₀ | 0.80 | 3.40 |
| | | SO ₂ | 1.55 | 0.86 |
| | | VOC | 0.28 | 1.20 |
| F6 | Seminole Fractionator Fugitives (4) | VOC | 0.91 | 3.98 |
| F7 | Carbon Dioxide Removal Unit Fugitives (4) | VOC | 0.29 | 1.27 |
| F8 | Energy Improvement Project Fugitives (4) | VOC | 0.82 | 3.60 |
| F8A | Seminole Cooling Tower (6) | PM ₁₀ | 1.16 | 5.08 |
| | | VOC (8) | 99.08 | 5.79 |
| | | VOC (9) | 13.21 | 5.79 |
| FL-1 | Main Flare Contribution | CO | 4.00 | 17.40 |
| | | NO _x | 2.00 | 8.70 |
| | | SO ₂ | 0.10 | 0.10 |
| | | VOC | 5.30 | 23.20 |

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- (1) Emission point identification - either specific equipment designation or emission point number (EPN) from plot plan.
- (2) Specific point source name. For fugitive sources use area name or fugitive source name.
- (3) CO - carbon monoxide
NO_x - total oxides of nitrogen
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.
SO₂ - sulfur dioxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Four turbines (two 501 KB5 and two 501KC5 turbines) are ducted into one duct burner. The exhaust from the one duct burner is directed to two co-located Stacks (EPNs 10 and 11).
- (6) Emission rate is an estimate only. Compliance is enforceable through conformity with the applicable special condition(s) and permit application representations.
- (7) The PSD regulated pollutant
- (8) Hourly emission pre emission control on or before March 31, 2010
- (9) Hourly emission post emission control on and after April 1, 2010

* Emission rates are based on a maximum operating schedule of

Hrs/day 24 Days/week 7 Weeks/year 52

** Compliance with annual emission limits is based on a rolling 12-month period.