

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 6257E

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** |
| P-3 | CO ₂ Stripper (Routine) | VOC | 9.2 | 35.00 |
| | CO ₂ Stripper (Maintenance) | VOC | 48.00 | 18.52 |
| P-4 | EO Vent Absorber | VOC | 0.32 | 1.38 |
| P-12 | Tank Farm Vent Scrubber | VOC | 5.50 | 2.43 |
| P-15 | Flare | VOC | 26.29 | 12.10 |
| | | NO _x | 6.45 | 8.05 |
| | | CO | 32.85 | 41.03 |
| | | SO ₂ | 0.02 | 0.09 |
| P-18 | Lean Absorbent Surge Tank | VOC | 0.27 | 0.29 |
| P-25 | Boiler | VOC | 0.38 | 1.66 |
| | | NO _x | 4.20 | 18.40 |
| | | CO | 5.77 | 25.30 |
| | | SO ₂ | 0.04 | 0.19 |
| | | PM ₁₀ | 0.52 | 2.30 |
| EOFUG | EO Unit Fugitives (4) | VOC | 4.32 | 18.91 |
| | | Cl ₂ | 0.09 | 0.39 |
| UCT | Utility Cooling Tower (6) | VOC | 2.10 | 9.20 |
| WW-EO1/WW-EO2 | Wastewater Tanks (5) | VOC | 0.50 | 1.46 |
| LAB | Lab Vent | VOC | 1.5 | 1.82 |

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| | | | lb/hr | TPY** |
| ANVENT | Analyzer Vents | VOC | 0.05 | 0.22 |
| RESLOAD | Residue Loading | VOC | 8.53 | 0.72 |
| | Splash Loading (7) | | | |
| | Submerged Loading | VOC | 4.18 | 0.45 |
| UAD/PWW | Unit Area Discharge/Process Wastewater | VOC | 0.32 | 1.38 |
| 10-6891 | Diesel Generator | NO _x | 32.40 | 1.62 |
| | | CO | 7.43 | 0.37 |
| | | VOC | 0.95 | 0.05 |
| | | PM ₁₀ | 0.95 | 0.05 |
| | | SO ₂ | 10.92 | 0.55 |
| 10-6892 | Diesel Generator | NO _x | 32.40 | 1.62 |
| | | CO | 7.43 | 0.37 |
| | | VOC | 0.95 | 0.05 |
| | | PM ₁₀ | 0.95 | 0.05 |
| | | SO ₂ | 10.92 | 0.55 |
| 10-6893 | Diesel Generator | NO _x | 32.40 | 1.62 |
| | | CO | 7.43 | 0.37 |
| | | VOC | 0.95 | 0.05 |
| | | PM ₁₀ | 0.95 | 0.05 |
| | | SO ₂ | 10.92 | 0.55 |
| 10-6894 | Diesel Generator | NO _x | 32.40 | 1.62 |
| | | CO | 7.43 | 0.37 |
| | | VOC | 0.95 | 0.05 |
| | | PM ₁₀ | 0.95 | 0.05 |
| | | SO ₂ | 10.92 | 0.55 |

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|---------------------------|--------------------|-----------------------------|-------------------------|--------------|
| | | | <u>lb/hr</u> | <u>TPY**</u> |
| 28-6701 | Diesel Tank | VOC | 0.56 | 0.01 |
| 28-6705 | Diesel Tank | VOC | 0.56 | 0.01 |

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- (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
NO_x - total oxides of nitrogen
CO - carbon monoxide
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
Cl₂ - chlorine
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Hourly emissions is for each individual tank. Annual emissions are for both tanks combined.
- (6) Emission rate is an estimate only and is enforceable through compliance with the Special Condition No. 12 and the cooling water circulation flow rates represented in the permit application.
- (7) Submerged loading required within 18 months of date of permit.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day_____ Days/week_____ Weeks/year_____ or Hrs/year 8,760

** Compliance with the annual emission rates shall be based on the 12-month rolling period.

Dated October 11, 2006