

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 22046

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** |
| 13 | Process Flare (5) | NO _x | 3.95 | 0.18 |
| | | CO | 21.5 | 0.98 |
| | | VOC | 4.76 | 0.44 |
| | | SO ₂ | 2.78 | 0.27 |
| | | HCl | 7.35 | 0.93 |
| | | H ₂ S | 0.01 | 0.01 |
| S-23 | Water Spray Column | HCl | 0.015 | 0.07 |
| S-34 | Spray Column | H ₂ S | 0.01 | 0.03 |
| P&F-1 | Plate and Frame Filter | VOC | 0.14 | 0.17 |
| P&F-2 | Plate and Frame Filter | VOC | 0.14 | 0.17 |
| P&F-3 | Plate and Frame Filter | VOC | 0.17 | 0.19 |
| P&F-4 | Plate and Frame Filter | VOC | 0.08 | 0.09 |
| J-4 and J-5 | Filter Feed Tanks | PM | 0.01 | 0.01 |
| 156-BIOBED | Biological Treatment Unit (2 biobeds operating) | VOC | 1.09 | 4.42 |
| | | H ₂ S | 0.03 | 0.01 |
| | Biological Treatment Unit Maintenance (1 biobed operating) | VOC | 10.1 | |
| 156-FUG | Process Fugitives | VOC | 0.92 | 4.01 |
| | | HCl | 0.01 | 0.06 |
| | | H ₂ S | 0.01 | 0.05 |
| | | Na ₂ S | 0.07 | 0.32 |
| | | S ₂ Cl ₂ | 0.06 | 0.24 |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * | |
|---------------------------|-----------------------------|-------------------------------------|------------------|-------|
| | | | lb/hr | TPY** |
| CT-13 | Cooling Tower | VOC | 0.01 | 0.01 |
| S-27 | Venturi Scrubber | VOC | 34.44 | 4.62 |
| | | PM 0.01 | 0.01 | |
| SS-29 | Product Storage Tank | VOC | 0.18 | 0.11 |
| J-54 | Product Finish/Storage Tank | VOC | 0.20 | 0.04 |
| TL-T58 | Truck Loading Fugitives (4) | VOC | 0.29 | 0.01 |
| T58-FUG | Process Fugitives (4) | VOC | 0.42 | 1.81 |
| | | HCl 0.01 | 0.03 | |
| | | S ₂ Cl ₂ 0.02 | 0.09 | |

- (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 an 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
 PM - particulate matter, suspended in the atmosphere, including PM₁₀.
 PM₁₀ - particulate matter 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
 HCl - hydrogen chloride
 Na₂S - sodium sulfide
 S₂Cl₂ - sulfur chloride
 H₂S - hydrogen sulfide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Operation of the Process Flare is limited to 438 hrs/year.

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

_____Hrs/day ____Days/week ____Weeks/year or 8,760 Hrs/year

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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

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

Dated December 5, 2002