

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 22059

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** |
| FI-02 | Thermal Oxidizer | VOC | 0.74 | 1.03 |
| | | NO _x | 0.24 | 1.03 |
| | | SO ₂ | 0.45 | 1.97 |
| | | CO | 0.20 | 0.87 |
| | | PM 0.02 | 0.08 | |
| L-10 | Storage Tank | VOC | 0.19 | 0.01 |
| H-77 | Storage Tank | VOC | 3.10 | 0.01 |
| DP-5 | Storage Tank | VOC | 0.23 | 0.08 |
| Q-2 | Storage Tank | VOC | 0.15 | 0.01 |
| FUG-CARB | Process Fugitives (4) | VOC | 1.83 | 8.02 |
| FUG-PF31 | Filter Fugitives (4) | VOC | 0.06 | 0.12 |
| FUG-PF32 | Filter Fugitives (4) | VOC | 0.06 | 0.12 |
| FUG-PF33 | Filter Fugitives (4) | VOC | 0.06 | 0.12 |
| FUG-PF34 | Filter Fugitives (4) | VOC | 0.06 | 0.12 |
| FL-177 | Emergency Flare (5) | NO _x | 0.01 | 0.05 |
| | | CO | 0.01 | 0.01 |
| | | VOC | 0.01 | 0.01 |
| SCL-3 | Caustic Scrubber | H ₂ S | 0.06 | 0.26 |

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| S-32 | Caustic Scrubber | SCl ₂ | 0.01 | 0.02 |
| S-33 | Water Scrubber | HCl 0.01 VOC 0.01 | 0.02 0.01 | |
| 12889-SDC | Fugitive Emissions (4) | SCl ₂ VOC 1.00 | 0.01 4.37 | 0.05 |

(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

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.

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

CO - carbon monoxide

H₂S - hydrogen sulfide

HCl - hydrogen chloride

SCl₂ - sulfur dichloride

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

(5) Process emissions from the T-55 Process Area, authorized under Permit Number 21715, will be vented to Emergency Flare (EPN FL-177) in the event that the Fume Incinerator (EPN FI-01), authorized under Permit Number 21715, is not operational.

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

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Page 3

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| | | | <u>lb/hr</u> | <u>TPY**</u> |

Dated June 4, 2004