

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 86979

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 Rates * | Source | Air Contaminant | <u>Emission</u> | |
|---------------------|-----------------------|--------------------------------|-----------------|-------|
| Point No. (1) | Name (2) | Name (3) | lb/hr | TPY** |
| 1 | Scrubber Stack | H ₂ SO ₄ | 3.44 | 12.05 |
| | | SO ₂ | 25.21 | 88.36 |
| | | SO ₂ (7) | 855.50 | 7.70 |
| | | SO ₂ (8) | 25.50 | 0.17 |
| 3 | Sulfur Pit | H ₂ S | 0.01 | 0.01 |
| 4 | Cooling Tower (5) | PM ₁₀ | 0.03 | 0.12 |
| 5 | Storage Tank | H ₂ SO ₄ | 0.01 | 0.01 |
| 6 | Storage Tank | H ₂ SO ₄ | 0.01 | 0.01 |
| 7 | Tank Truck Loading | H ₂ SO ₄ | 0.01 | 0.01 |
| 8 | Steam Boiler (6) | CO | 1.21 | 0.03 |
| | | NO _x | 1.44 | 0.04 |
| | | PM ₁₀ | 0.11 | 0.01 |
| | | SO ₂ | 0.01 | 0.01 |
| | | VOC | 0.08 | 0.01 |
| 2 | Process Fugitives (4) | NH ₃ | 0.07 | 0.30 |
| | | SO ₂ | 0.07 | 0.30 |

- (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) CO - carbon monoxide

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H₂S - hydrogen sulfide

H₂SO₄ - sulfuric acid mist

NH₃ - ammonia

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 PM 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) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) 48 hours per rolling 12 months of operation for one planned start-up.
- (7) Planned start-up emissions
- (8) Planned shutdown emissions

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

Hrs/day 24 Days/week 7 Weeks/year 51

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

Dated April 13, 2009