

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 3119A

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<br>Point No. (1) | Source<br>Name (2)    | Air Contaminant<br>Name (3) | Emission Rates * |        |
|---------------------------|-----------------------|-----------------------------|------------------|--------|
|                           |                       |                             | lb/hr            | TPY    |
| 412                       | SRU Incinerator Stack | SO <sub>2</sub>             | 26.44            | 115.81 |
|                           |                       | NO <sub>x</sub>             | 1.37             | 6.00   |
|                           |                       | CO                          | 0.20             | 0.85   |
|                           |                       | H <sub>2</sub> S            | 0.56             | 2.46   |
|                           |                       | COS                         | 0.50             | 2.17   |
|                           |                       | CS <sub>2</sub>             | 0.63             | 2.75   |
|                           |                       | PM                          | 0.11             | 0.50   |
|                           |                       | VOC                         | 0.03             | 0.15   |
| 413                       | Acid Gas Flare        | SO <sub>2</sub>             | 0.41             | 1.44   |
|                           |                       | NO <sub>x</sub>             | 0.90             | 3.27   |
|                           |                       | CO                          | 4.60             | 16.64  |
|                           |                       | H <sub>2</sub> S            | 0.01             | 0.01   |
|                           |                       | NH <sub>3</sub>             | 0.01             | 0.02   |
|                           |                       | VOC                         | 2.62             | 8.88   |
| 414                       | Sour Water Gas Flare  | FOR EMERGENCY USE ONLY      |                  |        |
| 415                       | Sulfur Pit            | H <sub>2</sub> S            | 0.44             | 1.93   |
| F411                      | SRU Fugitives (4)     | VOC                         | 1.60             | 7.00   |
|                           |                       | H <sub>2</sub> S            | 0.65             | 2.83   |
| 433                       | Sour Water Tank       | VOC                         | 0.46             | 1.51   |
|                           |                       | H <sub>2</sub> S            | 0.12             | 0.38   |
|                           |                       | NH <sub>3</sub> 0.01        | 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<sub>x</sub> - total oxides of nitrogen  
SO<sub>2</sub> - sulfur dioxide  
PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>  
PM<sub>10</sub> - 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  
H<sub>2</sub>S - hydrogen sulfide  
CS<sub>2</sub> - carbon disulfide  
COS - carbonyl sulfide  
NH<sub>3</sub> - ammonia
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

\* 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.

Dated January 28, 2005