

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 1157C

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** |
| 004                       | Baghouse 15-03 BH             | PM <sub>10</sub>                                | 0.03             | 0.14  |
| 005                       | Baghouse 27-04 BH             | PM <sub>10</sub>                                | 0.02             | 0.09  |
| 006                       | Ammonia Scrubber              | NH <sub>3</sub>                                 | 6.24             | 27.33 |
|                           |                               | CO  | 0.78             | 3.20  |
|                           |                               | H <sub>2</sub> SO <sub>4</sub>                  | 0.01             | 0.01  |
|                           |                               | (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> | 1.72             | 7.53  |
|                           |                               | NO <sub>x</sub>                                 | 0.87             | 3.15  |
|                           |                               | HCl   | 0.10             | 0.44  |
|                           |                               | PM <sub>10</sub>                                | 2.98             | 13.05 |
|                           |                               | VOC   | 0.05             | 0.21  |
| 007                       | Scrubber 35-01 Stack          | HCl   | 0.12             | 0.54  |
|                           |                               | Cl <sub>2</sub>                                 | 0.01             | 0.01  |
| 008                       | Mo Precip SYS Tanks Vent      | HCl   | 0.03             | 0.13  |
|                           |                               | SO <sub>2</sub>                                 | 0.21             | 0.92  |
| 22-03-T                   | Storage Tank Vent             | VOC   | 0.01             | 0.04  |
| 62-01-T                   | Storage Tank                  | H <sub>2</sub> O <sub>2</sub>                   | 0.01             | 0.04  |
| F-Area 8                  | Fugitives (4)                 | VOC   | 0.10             | 0.42  |
| F-Area 9                  | Fugitives (Areas 4-9, 12) (4) | NH <sub>3</sub>                                 | 1.48             | 6.47  |
|                           |                               | HCl   | 0.22             | 0.96  |
| 16-01-T                   | Storage Tank Vent 16-01       | VOC   | 0.01             | 0.04  |

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|---|-----------------------------------|-----------------------------|-------------------------|-------|
|   |                                   |                             | lb/hr                   | TPY** |
| 16-10-T<br>16-11-T<br>16-12-T<br>16-13-T<br>16-14-T<br>16-15-T<br>16-16-T | Reactors (Area 8)                 | VOC                         | 0.84                    | 0.06  |
| 22-15-T   | Diesel Tank                       | VOC                         | 0.01                    | 0.01  |
| 22-16-T   | Diesel Tank                       | VOC                         | 0.01                    | 0.01  |
| Sandblast   | Maintenance Painting/Sandblasting | TSP                         | 0.06                    | 0.26  |
|   |                                   | PM <sub>10</sub>            | 0.02                    | 0.08  |
|   |                                   | VOC                         | 6.00                    | 1.75  |
| 22-15-L   | Diesel Loading                    | VOC                         | 0.01                    | 0.01  |
| OWS-1   | Oil Skimmer 21-09-5               | VOC                         | 0.01                    | 0.01  |
| OWS-3-T   | Oil/Water Separator 28-45-B       | VOC                         | 0.01                    | 0.01  |
| 13-36   | Cooling Tower                     | PM <sub>10</sub>            | 0.02                    | 0.10  |
| 22-1-T  | Ammonia Storage Fugitives         | NH <sub>3</sub>             | 0.09                    | 0.373 |

(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.

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- (3) PM<sub>10</sub> - particulate matter with an effective diameter of 10 microns or less  
TSP - total suspended particulate matter less than 30 microns  
NO<sub>x</sub> - total oxides of nitrogen  
NH<sub>3</sub> - ammonia  
CO - carbon monoxide  
HCl - hydrogen chloride  
(NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub> - ammonium sulfate  
H<sub>2</sub>SO<sub>4</sub> - sulfuric acid  
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1.  
Cl<sub>2</sub> - chlorine
- (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 Hrs/year 8,760

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

Dated July 11, 2005