

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 9481

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**  |
| 116CT                     | Cooling Tower               | VOC                         | 0.74             | 3.20   |
| 116F                      | Refrigeration Fugitives (4) | VOC                         | 6.58             | 28.79  |
| 230F                      | Process Fugitives (4)       | VOC                         | 12.99            | 55.93  |
|                           |                             | PM                          | 0.03             | 0.11   |
|                           |                             | HF                          | <0.01            | <0.01  |
|                           |                             | Nickel Octoate              | <0.01            | <0.01  |
|                           |                             | Modifier "T"                | 0.02             | 0.10   |
| 230T-F105A                | Oil Tank                    | VOC                         | 0.90             | 0.16   |
| 230T-F105B                | Oil Tank                    | VOC                         | 0.90             | 0.16   |
| 230T-F200                 | Catalyst Tank               | VOC                         | 24.31            | 0.30   |
| 230T-F201                 | Catalyst Tank               | VOC                         | 14.96            | 0.22   |
| 230T-F205                 | Catalyst Tank               | VOC                         | 14.95            | 0.22   |
| 230T-F222                 | Catalyst Tank               | VOC                         | 2.87             | 0.08   |
| 230V-E405                 | Crumb Tank Vent Condenser   | VOC                         | 0.07             | 0.02   |
| 230WF                     | Wastewater Fugitives (4)    | VOC                         | 4.70             | 1.52   |
| 236F                      | 840 Unit Finishing Process  | VOC                         | 156.0            | 267.80 |
| 4H-228                    | Modifier "T" Makeup Tank    | VOC                         | 3.66             | 0.05   |

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

| Emission<br>Point No. (1) | Source<br>Name (2)           | Air Contaminant<br>Name (3) | <u>Emission Rates *</u> |              |
|---------------------------|------------------------------|-----------------------------|-------------------------|--------------|
|                           |                              |                             | <u>lb/hr</u>            | <u>TPY**</u> |
| 230T-F311                 | Nitrax Makeup Tank           | PM                          | <0.01                   | <0.01        |
| 230T-F408                 | Tamol Makeup Tank            | PM                          | 1.20                    | <0.01        |
| 230T-F411                 | Phosphoric Acid Storage Tank | PM                          | 3.80                    | 0.04         |
| 280F                      | Process Fugitives (4)        | VOC                         | 11.71                   | 51.32        |
| 280FLQ504                 | Flare (5)                    | VOC                         | 38.63                   | 18.97        |
|                           |                              | NO <sub>x</sub>             | 2.43                    | 1.37         |
|                           |                              | CO                          | 12.27                   | 6.43         |
|                           |                              | SO <sub>2</sub>             | <0.01                   | <0.01        |
| 280FLQ504                 | Flare (6)                    | VOC                         | 27.77                   | 13.55        |
|                           |                              | NO <sub>x</sub>             | 2.19                    | 1.44         |
|                           |                              | CO                          | 11.15                   | 7.33         |
|                           |                              | SO <sub>2</sub>             | <0.01                   | <0.01        |
| 280T-115                  | Angelax Storage Tank         | VOC                         | 0.14                    | <0.01        |
| 280T-F201                 | Catalyst Tank                | VOC                         | 18.17                   | 0.10         |
| 280T-F206                 | Catalyst Tank                | VOC                         | 3.93                    | 0.62         |
| 280T-F216                 | Catalyst Tank                | VOC                         | 0.05                    | <0.01        |
| 280T-F507                 | Catalyst Tank                | PM                          | 0.01                    | 0.01         |
| 280V-E405                 | Crumb Tank Vent Condenser    | VOC                         | 0.13                    | 0.04         |
| 280V-M202                 | HF Scrubber                  | VOC                         | 0.67                    | 0.01         |
|                           |                              | HF                          | 0.02                    | <0.01        |
| 280WF                     | Wastewater Fugitives (4)     | VOC                         | 20.88                   | 39.59        |

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

| Emission<br>Point No. (1) | Source<br>Name (2)         | Air Contaminant<br>Name (3) | <u>Emission Rates *</u> |              |
|---------------------------|----------------------------|-----------------------------|-------------------------|--------------|
|                           |                            |                             | <u>lb/hr</u>            | <u>TPY**</u> |
| 286F                      | 880 Unit Finishing Process | VOC                         | 188.1                   | 550.0        |

- (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<sub>x</sub> - total oxides of nitrogen  
CO - carbon monoxide  
HF - hydrogen fluoride
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Emissions before installation of the 4D800 Vent Gas Absorber authorized by Standard Permit No. 50108 or until September 30, 2002, whichever comes first.
- (6) Emissions after installation of the 4D800 Vent Gas Absorber authorized by Standard Permit No. 50108 or after October 1, 2002, whichever comes first.

\* 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.

Dated August 22, 2003