

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 8533

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   |
| AC-T-40                | Acetone Cyanohydrin (ACH) Product Tank "B" | VOC                      | 0.02             | 0.10  |
| AC-T-41A               | ACH Rundown Tank                           | VOC (5)                  | 0.32             | 0.08  |
| AC-T-41B               | ACH Rundown Tank                           | VOC (5)                  | 0.32             | 0.08  |
| AC-T-41C               | ACH Rundown Tank                           | VOC (5)                  | 0.32             | 0.08  |
| AC-T-42                | ACH Product Tank "A"                       | VOC                      | 1.40             | 0.84  |
| S-12-C                 | Acetone Tank                               | Acetone                  | 0.37             | 1.38  |
| FG-ACH-I               | ACH Unit Fugitives (4)                     | VOC                      | 3.47             | 15.19 |
|                        |  | NH <sub>3</sub>          | 0.25             | 1.10  |
|                        |  | Acetone                  | 0.58             | 2.53  |
| FL-G5                  | Hydrogen Cyanide (HCN) Flare (6)           | NO <sub>x</sub>          | 0.02             | 0.04  |
|                        |  | CO                       | 0.18             | 0.30  |
|                        |  | SO <sub>2</sub>          | 0.01             | **    |
|                        |  | VOC                      | 0.55             | 0.72  |
|                        |  | Acetone                  | 0.07             | 0.29  |
| BDS-5                  | Barge Dock Scrubber                        | VOC                      | 0.02             | 0.01  |
|                        |  | Acetone                  | 0.05             | 0.01  |
| RRS-6                  | Railcar Vent Scrubber                      | VOC                      | 0.01             | 0.01  |
| FG-1                   | Cooling Tower Fugitives (4)                | VOC                      | 0.03             | 0.12  |
|                        |  | NH <sub>3</sub>          | 0.02             | 0.09  |

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## AIR CONTAMINANTS DATA

| Emission<br>Point No. (1) | Source<br>Name (2) | Air Contaminant<br>Name (3) | Emission Rates * |      |
|---------------------------|--------------------|-----------------------------|------------------|------|
|                           |                    |                             | lb/hr            | TPY  |
|                           |                    | Acetone                     | 0.06             | 0.27 |

- (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  
 CO - carbon monoxide  
 NO<sub>x</sub> - total oxides of nitrogen  
 SO<sub>2</sub> - sulfur dioxide  
 NH<sub>3</sub> - ammonia
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) The hourly rate is the maximum for each tank. The maximum annual rates may be summed for all tanks with this footnote to form a single annual emission rate cap for the group of tanks.
- (6) Receives air streams from the vent condenser and HCN railcar loading.

\* 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

\*\* Included in Permit Number 6289.

Dated: July 20, 2010