

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 18072

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  |
| **                        |                                  |                             |                  |      |
| D-1521V                   | Process Carbon Adsorber          | VOC                         | 0.89             | 1.95 |
| D-1221V                   | Hydrogen Carbon Adsorber         | VOC                         | 0.03             | 0.05 |
| D-1221BV                  | Hydrogen Carbon Adsorber         | VOC                         | 0.03             | 0.05 |
| ACC-1101V                 | Dissolver Carbon Adsorber        | VOC                         | 0.21             | 0.13 |
| ACC-1101BV                | Dissolver Carbon Adsorber        | VOC                         | 0.21             | 0.13 |
| ACC-1411AV                | Heavy Reclaimer Carbon Adsorber  | VOC                         | 1.19             | 0.01 |
| ACC-1411BV                | Heavy Reclaimer Carbon Adsorber  | VOC                         | 1.19             | 0.01 |
| ACC-1201V                 | Catalyst Make-up Carbon Adsorber | VOC                         | 0.05             | 0.01 |
| ACC-1201BV                | Catalyst Make-up Carbon Adsorber | VOC                         | 0.05             | 0.01 |
| ACC-1202V                 | H2 Vent Cooler Carbon Adsorber   | VOC                         | 0.10             | 0.02 |
| ACC-1202BV                | H2 Vent Cooler Carbon Adsorber   | VOC                         | 0.10             | 0.02 |
| E-2000AV                  | Cooling Tower Fan A              | VOC                         | 0.08             | 0.34 |
| E-2000BV                  | Cooling Tower Fan B              | VOC                         | 0.08             | 0.34 |
| E-2000CV                  | Cooling Tower Fan C              | VOC                         | 0.08             | 0.34 |
| E-2000DV                  | Cooling Tower Fan D              | VOC                         | 0.08             | 0.34 |

|          |                         |                 |      |      |
|----------|-------------------------|-----------------|------|------|
| E-2000EV | Cooling Tower Fan E     | VOC             | 0.08 | 0.34 |
| E-2000FV | Cooling Tower Fan F     | VOC             | 0.08 | 0.34 |
| FLARE1   | Flare                   | VOC             | 0.67 | 2.94 |
|          |                         | CO              | 0.28 | 1.23 |
|          |                         | NO <sub>x</sub> | 0.06 | 0.24 |
|          |                         | SO <sub>2</sub> | 0.01 | 0.04 |
| FUG-COMP | Equipment Fugitives (4) | VOC             | 1.30 | 5.70 |
|          |                         | NH <sub>3</sub> | 0.11 | 0.48 |

- (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.

\* 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 August 30, 2006