

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 22872

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** |
| 71V1053ST                 | Feed Tank V-1053   | potassium<br>hydroxide      | <0.01            | <0.01 |
| 71V1054ST                 | Feed Tank V-1054   | VOC                         | 4.33             | 0.07  |
| 71V1056ST                 | Tank V-1056        | VOC                         | 0.69             | 0.33  |
|                           |                    | SO <sub>2</sub>             | 1.20             | 0.53  |
| 71V1057ST                 | Tank V-1057        | VOC                         | 0.69             | 0.33  |
|                           |                    | SO <sub>2</sub>             | 1.20             | 0.53  |
| 71V1060ST                 | Tank V-1060        | VOC                         | 0.30             | 0.18  |
| 71V1061ST                 | Tank V-1061        | VOC                         | 4.78             | 0.48  |
|                           |                    | SO <sub>2</sub>             | 8.41             | 0.53  |
| 71V1063ST                 | Tank V-1063        | VOC                         | 2.16             | 0.35  |
| 71V1067ST                 | Tank V-1067        | VOC                         | 1.77             | 0.32  |
| 71V1068ST                 | Tank V-1068        | VOC                         | 6.82             | 1.03  |
|                           |                    | SO <sub>2</sub>             | 13.77            | 0.53  |
| 71V1069ST                 | Tank V-1069        | VOC                         | 0.87             | 0.24  |
| 71V1070ST                 | Tank V-1070        | VOC                         | 0.25             | 0.18  |
| 71V1071ST                 | Tank V-1071        | VOC                         | 0.48             | 0.20  |

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|            |                                 |                 |                     |       |       |
|------------|---------------------------------|-----------------|---------------------|-------|-------|
| 71V1072ST  | Tank V-1072                     | SO <sub>2</sub> | VOC                 | 1.41  | 0.38  |
|            |                                 |                 | 2.10                | 0.53  |       |
| 71V1073ST  | Tank V-1073                     |                 | VOC                 | 1.41  | 0.38  |
|            |                                 |                 | SO <sub>2</sub>     | 2.10  | 0.53  |
| 71V1074ST  | Tank V-1074                     |                 | VOC                 | 0.48  | 0.20  |
| 71V1075ST  | Tank V-1075                     |                 | VOC                 | 0.48  | 0.20  |
| 71V1077ST  | Tank V-1077                     |                 | VOC                 | 0.48  | 0.20  |
| 71V1081ST  | Tank V-1081                     |                 | VOC                 | 0.48  | 0.20  |
| 71V1089ST  | Tank V-1089                     |                 | VOC                 | 0.04  | 0.15  |
| 71T140ST   | T-140 Reactor Vent Absorber     |                 | VOC                 | 9.74  | 6.33  |
|            |                                 |                 | SO <sub>2</sub>     | 0.03  | <0.01 |
| 71LOADING  | Railcar/Tank Truck Loading Rack |                 | VOC                 | 4.54  | 1.75  |
| 71UNLOAD   | Unloading Emissions             |                 | VOC                 | 23.31 | 2.86  |
|            |                                 |                 | potassium hydroxide | <0.01 | <0.01 |
|            |                                 |                 | SO <sub>2</sub>     | 3.08  | 0.63  |
| 71ETHOXFUG | Process Fugitives (4)           | SO <sub>2</sub> | VOC                 | 0.44  | 1.78  |
|            |                                 |                 | 6.78                | 18.76 |       |
| 71MAINTFUG | Maintenance Emissions           | SO <sub>2</sub> | VOC                 | 0.48  | 0.16  |
|            |                                 |                 | 0.53                | <0.01 |       |
| 71TOTE     | Depressuring Emissions          |                 | VOC                 | 2.30  | 0.47  |

(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  
SO<sub>2</sub> - sulfur dioxide
- (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 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

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

Dated December 29, 2005