

## 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> |       |
|---------------------------|--------------------|-----------------------------|-------------------------|-------|
|                           |                    |                             | lb/hr                   | TPY** |

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 1506

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.

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|---------------------------|--------------------|-----------------------------|-------------------------|--------|
|                           |                    |                             | lb/hr                   | TPY ** |
| B-4                       | B-4 Bin            | Al                          | 0.10                    | 0.04   |
|                           |                    | AlCl <sub>3</sub>           | 0.25                    | 0.14   |
|                           |                    | PM <sub>10</sub>            | 0.25                    | 0.14   |
| B-41                      | B-41 Bin           | AlCl <sub>3</sub>           | 0.25                    | 0.25   |
|                           |                    | I <sub>2</sub>              | 0.10                    | 0.04   |
|                           |                    | PM <sub>10</sub>            | 0.25                    | 0.25   |
| B-81                      | B-81 Bin           | AlCl <sub>3</sub>           | 0.25                    | 0.25   |
|                           |                    | I <sub>2</sub>              | 0.01                    | 0.04   |
|                           |                    | PM <sub>10</sub>            | 0.25                    | 0.25   |
|                           |                    | ZnCl <sub>3</sub>           | 0.02                    | 0.05   |
| B-82                      | B-82 Bin           | Al                          | 0.10                    | 0.04   |
|                           |                    | AlCl <sub>3</sub>           | 0.25                    | 0.14   |
|                           |                    | PM <sub>10</sub>            | 0.25                    | 0.14   |
| SF-1                      | Flare (5)          | CO                          | 0.55                    | 0.80   |
|                           |                    | HCl                         | 0.12                    | 0.42   |

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|---------------------------|----------------------------|----------------------------------|------------------|-------|
|                           |                            |                                  | lb/hr            | TPY** |
|                           |                            | NO <sub>x</sub>                  | 0.28             | 0.40  |
|                           |                            | SO <sub>2</sub>                  | 0.01             | 0.01  |
|                           |                            | VOC                              | 1.91             | 2.84  |
| ST-1                      | DEAC/EASC Atmospheric Vent | C <sub>2</sub> H <sub>5</sub> Cl | 0.50             | 0.75  |
|                           |                            | VOC                              | 2.68             | 4.78  |
| T-11                      | T-11 Slurry Tank           | Al                               | 0.10             | 0.02  |
| T-511                     | T-511 Slurry Tank          | Al                               | 0.10             | 0.02  |
| TK-93                     | Storage Tank               | VOC                              | 0.01             | 0.01  |
| F-U-C                     | Process Fugitives (4)      | VOC                              | 0.62             | 2.70  |
| F-U-D                     | Process Fugitives (4)      | VOC                              | 0.20             | 0.88  |
| F-U-TK30                  | Process Fugitives (4)      | VOC                              | 0.02             | 0.07  |

(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) Al - aluminum dust  
 AlCl<sub>3</sub> - aluminum chloride  
 C<sub>2</sub>H<sub>5</sub>Cl - chloroethane  
 CO - carbon monoxide  
 HCl - hydrogen chloride  
 I<sub>2</sub> - iodine  
 NO<sub>x</sub> - nitrogen oxides  
 PM<sub>10</sub> - particulate matter (PM) less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.

SO<sub>2</sub> - sulfur dioxide

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

ZnCl<sub>3</sub> - zinc chloride

(4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the

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|---------------|----------|-----------------|-------------------------|--------------|
| Point No. (1) | Name (2) | Name (3)        | <u>lb/hr</u>            | <u>TPY**</u> |

applicable special conditions and permit application representations.

(5) Emissions attributable to facilities under Permit Number 1506 only.

\* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

24 Hrs/day 7 Days/week 52 Weeks/year

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

Dated January 18, 2006