

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 56419

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**  |
| ML255B                    | Barge Loading Losses (5)<br>(1.50 psia VOC control) | H <sub>2</sub> S            | 6.35             | 0.45   |
|                           |   | VOC                         | 705.60           | 401.51 |
| ML255A                    | Ship Loading Losses (5)<br>(1.50 psia VOC control)  | H <sub>2</sub> S            | 6.35             | 0.45   |
|                           |   | VOC                         | 453.60           | 182.40 |
| ML255B                    | Barge Loading Losses (6)<br>(0.50 psia VOC control) | H <sub>2</sub> S            | 5.79             | 0.41   |
|                           |   | VOC                         | 413.28           | 279.71 |
| ML255A                    | Ship Loading Losses (6)<br>(0.50 psia VOC control)  | H <sub>2</sub> S            | 5.79             | 0.41   |
|                           |   | VOC                         | 413.28           | 131.16 |
| SEP01                     | Oil/Water Separator No. 1                           | VOC                         | 0.10             | 0.42   |
| SEP02                     | Separator No. 2                                     | VOC                         | 0.01             | 0.06   |
| SPR901                    | Thermal Oxidizer - Barge<br>Loading                 | CO                          | 37.47            | 74.66  |
|                           |   | H <sub>2</sub> S            | 0.24             | 0.06   |
|                           |   | NO <sub>x</sub>             | 18.77            | 37.40  |
|                           |   | SO <sub>2</sub>             | 22.31            | 5.55   |
|                           |   | VOC                         | 104.23           | 104.31 |
| SPR901                    | Thermal Oxidizer - Ship<br>Loading                  | CO                          | 21.49            | 59.09  |
|                           |   | H <sub>2</sub> S            | 0.23             | 0.06   |
|                           |   | NO <sub>x</sub>             | 10.76            | 29.60  |
|                           |   | SO <sub>2</sub>             | 21.78            | 5.55   |
|                           |   | VOC                         | 41.73            | 45.37  |
| SPR902                    | Thermal Oxidizer - Barge<br>Loading                 | CO                          | 37.47            | 74.66  |
|                           |   | H <sub>2</sub> S            | 0.24             | 0.06   |
|                           |   | NO <sub>x</sub>             | 18.77            | 37.40  |
|                           |   | SO <sub>2</sub>             | 22.31            | 5.55   |
|                           |   | VOC                         | 104.23           | 104.31 |

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|---------------------------|------------------------------------|-----------------------------|------------------|-------|
|                           |                                    |                             | lb/hr            | TPY** |
| SPR902                    | Thermal Oxidizer - Ship<br>Loading | CO                          | 21.49            | 59.09 |
|                           |                                    | H <sub>2</sub> S            | 0.23             | 0.06  |
|                           |                                    | NO <sub>x</sub>             | 10.76            | 29.60 |
|                           |                                    | SO <sub>2</sub>             | 21.78            | 5.55  |
|                           |                                    | VOC                         | 41.73            | 45.37 |
| FETERM                    | Process Fugitives (4)              | VOC (5)                     | 8.84             | 38.72 |
|                           |                                    | VOC (6)                     | 1.86             | 8.14  |

(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) CO - carbon monoxide

H<sub>2</sub>S - hydrogen sulfide

NO<sub>x</sub> - total oxides of nitrogen

PM<sub>10</sub> - particulate matter equal to or less than 10 microns

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

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

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

(5) Pre emission control prior to March 1, 2007.

(6) Post emission control on and after March 1, 2007.

\* 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 October 1, 2004