

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 8988 and PSD-TX-470

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 * |       |
|---------------------------|------------------------|-----------------------------|------------------|-------|
| TPY                       |                        |                             | lb/hr            |       |
| 1                         | Incinerator            | VOC                         | 0.06             | 0.3   |
|                           |                        | NO <sub>x</sub>             | 3.5              | 15.5  |
|                           |                        | SO <sub>2</sub> (5,6)       | 68.0             | 298.0 |
|                           |                        | PM <sub>10</sub>            | 0.3              | 1.3   |
|                           |                        | CO                          | 0.3              | 1.5   |
|                           |                        | H <sub>2</sub> S (5,6)      | 0.68             | 3.0   |
| 2                         | Flare                  | NO <sub>x</sub>             | 1.86             | 8.16  |
|                           |                        | CO                          | 3.73             | 16.32 |
|                           |                        | SO <sub>2</sub>             | 0.08             | 4.04  |
|                           |                        | H <sub>2</sub> S            | 0.02             | 0.08  |
|                           |                        | VOC                         | 12.64            | 5.86  |
| 3A                        | Boiler                 | NO <sub>x</sub>             | 3.78             | 16.56 |
|                           |                        | CO                          | 0.94             | 4.14  |
|                           |                        | PM <sub>10</sub>            | 0.17             | 0.74  |
|                           |                        | VOC                         | 0.07             | 0.33  |
|                           |                        | SO <sub>2</sub>             | 0.02             | 0.07  |
| 3B                        | Boiler                 | NO <sub>x</sub>             | 3.78             | 16.56 |
|                           |                        | CO                          | 0.94             | 4.14  |
|                           |                        | PM <sub>10</sub>            | 0.17             | 0.74  |
|                           |                        | VOC                         | 0.07             | 0.33  |
|                           |                        | SO <sub>2</sub>             | 0.02             | 0.07  |
| 4                         | Sulfur Pit Vent        | H <sub>2</sub> S            | <0.01            | <0.01 |
| 8A                        | 360 Hp Ajax Engine (7) | NO <sub>x</sub>             | 8.64             | 37.84 |
|                           |                        | CO                          | 1.12             | 4.89  |
|                           |                        | VOC                         | 0.35             | 1.53  |
|                           |                        | SO <sub>2</sub>             | <0.01            | 1.53  |
|                           |                        | PM <sub>10</sub>            | 0.07             | 0.32  |
| 8B                        | 360 Hp Ajax Engine (7) | NO <sub>x</sub>             | 8.64             | 37.84 |

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| Emission<br>Point No. (1) | Source<br>Name (2) | Air Contaminant<br>Name (3) | <u>Emission Rates *</u><br>lb/hr |       |
|---------------------------|--------------------|-----------------------------|----------------------------------|-------|
| <u>TPY</u>                |                    |                             |                                  |       |
|                           |                    | CO                          | 1.12                             | 4.89  |
|                           |                    | VOC                         | 0.35                             | 1.53  |
|                           |                    | SO <sub>2</sub>             | <0.01                            | 1.53  |
|                           |                    | PM <sub>10</sub>            | 0.07                             | 0.32  |
|                           |                    |                             |                                  |       |
| EP-9                      | Fire Pump Engine   | NO <sub>x</sub>             | 4.8                              | 0.12  |
|                           |                    | VOC                         | 0.07                             | <0.01 |
|                           |                    | SO <sub>2</sub>             | 0.32                             | <0.01 |
|                           |                    | PM <sub>10</sub>            | 0.34                             | <0.01 |
|                           |                    | CO                          | 1.04                             | 0.03  |
| FG-1                      | Fugitives (4)      | VOC                         | 15.08                            | 66.0  |
|                           |                    | H <sub>2</sub> S            | 0.26                             | 1.14  |

- (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) PM<sub>10</sub> - particulate matter less than 10 microns in diameter  
VOC - volatile organic compounds as defined in General Rule 101.1  
NO<sub>x</sub> - total oxides of nitrogen  
SO<sub>2</sub> - sulfur dioxide  
CO - carbon monoxide  
H<sub>2</sub>S - hydrogen sulfide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Emission rates listed reflect the rate after June 1, 1998.
- (6) Interim maximum emission rates are as follows:

Prior to June 1, 1995:

SO<sub>2</sub> 1735.16 lbs/hr and 7,600 tpy

H<sub>2</sub>S 17.35 lbs/hr and 76.0 tpy

June 1, 1995 through June 30, 1998:

SO<sub>2</sub> 1,360.00 lbs/hr and 5,958 tpy

H<sub>2</sub>S 13.60 lbs/hr and 59.6 tpy

- (7) Combined operational hours for Emission Point Nos. 8A and 8B shall not exceed 9,237 hours per year. Combined annual emissions for both compressors shall not exceed 39.9 tons per year of NO<sub>x</sub>.

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|---------------------------|--------------------|-----------------------------|---------------------------|
| <u>TPY</u>                |                    |                             |                           |

\* 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

Dated \_\_\_\_\_