

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 26131

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** |

Initial Engine Emissions: Before Installation of Controls

|    |   |                  |       |        |
|----|---|------------------|-------|--------|
| 29 | K10B Compressor Engine<br>(18 MMBtu/hr) | CO               | 17.29 | 75.73  |
|    |   | NO <sub>x</sub>  | 67.20 | 294.34 |
|    |   | PM <sub>10</sub> | 0.87  | 3.81   |
|    |   | SO <sub>2</sub>  | 0.01  | 0.05   |
|    |   | VOC              | 2.16  | 9.46   |
| 30 | K10C Compressor Engine<br>(18 MMBtu/hr) | CO               | 19.15 | 83.88  |
|    |   | NO <sub>x</sub>  | 88.80 | 388.94 |
|    |   | PM <sub>10</sub> | 0.87  | 3.81   |
|    |   | SO <sub>2</sub>  | 0.01  | 0.05   |
|    |   | VOC              | 2.16  | 9.46   |

Final Engine Emissions: After Installation of Controls (4)

|    |   |                  |       |       |
|----|---|------------------|-------|-------|
| 29 | K10B Compressor Engine<br>(18 MMBtu/hr) | CO               | 16.80 | 73.58 |
|    |   | NH <sub>3</sub>  | 0.11  | 0.48  |
|    |   | NO <sub>x</sub>  | 9.60  | 42.05 |
|    |   | PM <sub>10</sub> | 0.87  | 3.81  |
|    |   | SO <sub>2</sub>  | 0.01  | 0.05  |
|    |   | VOC              | 2.16  | 9.46  |
| 30 | K10C Compressor Engine<br>(18 MMBtu/hr) | CO               | 16.80 | 73.58 |
|    |   | NH <sub>3</sub>  | 0.11  | 0.48  |
|    |   | NO <sub>x</sub>  | 9.60  | 42.05 |
|    |   | PM <sub>10</sub> | 0.87  | 3.81  |
|    |   | SO <sub>2</sub>  | 0.01  | 0.05  |
|    |   | VOC              | 2.16  | 9.46  |

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| Emission<br>Point No. (1) | Source<br>Name (2)                                       | Air Contaminant<br>Name (3) | Emission Rates * |        |
|---------------------------|--|-----------------------------|------------------|--------|
|                           |  |                             | lb/hr            | TPY**  |
| 42                        | Flare - Pilot Fuel Only                                  | CO                          | 2.50             | 10.95  |
|                           |  | NO <sub>x</sub>             | 0.29             | 1.28   |
|                           |  | SO <sub>2</sub>             | 0.01             | 0.01   |
|                           |  | VOC                         | 0.01             | 0.04   |
|                           |  |                             |                  |        |
|                           | Flare - Start-up, Shutdown, and<br>Maintenance Emissions | CO                          | 188.50           | 94.59  |
|                           |  | H <sub>2</sub> S            | 2.42             | 1.21   |
|                           |  | NO <sub>x</sub>             | 21.99            | 11.03  |
|                           |  | SO <sub>2</sub>             | 227.25           | 114.03 |
|                           |  | VOC                         | 51.86            | 26.02  |
| 46                        | Boiler No. 4   | CO                          | 8.32             | 23.44  |
|                           |  | NO <sub>x</sub>             | 21.40            | 81.24  |
|                           |  | PM <sub>10</sub>            | 0.91             | 3.97   |
|                           |  | SO <sub>2</sub>             | 0.85             | 3.72   |
|                           |  | VOC                         | 0.66             | 2.88   |

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source name. For fugitive sources, use an area name or fugitive source name.
- (3) CO - carbon monoxide  
H<sub>2</sub>S - hydrogen sulfide  
NH<sub>3</sub> - ammonia  
NO<sub>x</sub> - total oxides of nitrogen  
PM<sub>10</sub> - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter 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
- (4) Installation of controls must begin within 18 months of issuance of this permit.

\* 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 December 22, 2006