

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 3847

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>*        | Source          | Air Contaminant | <u>Emission Rates</u> |            |
|----------------------|-----------------|-----------------|-----------------------|------------|
| <u>Point No. (1)</u> | <u>Name (2)</u> | <u>Name (3)</u> | <u>lb/hr</u>          | <u>TPY</u> |

### NATURAL GAS FIRING (8,760 HRS)

|     |   |                     |      |       |
|-----|---|---------------------|------|-------|
| B-4 | Boiler B-4 (47MMBtu/hr)<br>Keller DS-35 | NO <sub>x</sub>     | 4.74 | 17.24 |
|     |   | CO                  | 3.98 | 14.49 |
|     |   | SO <sub>2</sub>     | 0.03 | 0.10  |
|     |   | VOC                 | 0.26 | 0.95  |
|     |   | PM/PM <sub>10</sub> | 0.01 | 1.31  |

Emission rates are based on and the facilities are limited by the following maximum operating schedule while firing natural gas:

Hrs/day \_\_\_\_\_ Days/week \_\_\_\_\_ weeks/year \_\_\_\_\_ or Hrs/year 8,760

### No. 2 FUEL OIL FIRING (360 HRS)

|     |   |                     |       |      |
|-----|---|---------------------|-------|------|
| B-4 | Boiler B-4 (47MMBtu/hr)<br>Keller DS-35 | NO <sub>x</sub>     | 6.74  | 1.21 |
|     |   | CO                  | 1.69  | 0.30 |
|     |   | SO <sub>2</sub>     | 14.36 | 2.58 |
|     |   | VOC                 | 0.07  | 0.01 |
|     |   | PM/PM <sub>10</sub> | 0.67  | 0.12 |

Emission rates are based on and the facilities are limited by the following maximum operating schedule while firing No. 2 fuel oil:

Hrs/day \_\_\_\_\_ Days/week \_\_\_\_\_ weeks/year \_\_\_\_\_ or Hrs/year 360

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## AIR CONTAMINANTS DATA

| Emission<br>*        | Source          | Air Contaminant | <u>Emission Rates</u> |            |
|----------------------|-----------------|-----------------|-----------------------|------------|
| <u>Point No. (1)</u> | <u>Name (2)</u> | <u>Name (3)</u> | <u>lb/hr</u>          | <u>TPY</u> |

## MAXIMUM ALLOWABLE ANNUAL EMISSION RATE - NO. 2 FUEL OIL (360 HRS) AND NATURAL GAS (8,400 HRS)

|     |   |                     |         |
|-----|---|---------------------|---------|
| B-4 | Boiler B-4 (47MMBtu/hr)<br>Keller DS-35 | NO <sub>x</sub>     | 17.75** |
|     |   | CO                  | 14.19   |
|     |   | SO <sub>2</sub>     | 2.68    |
|     |   | VOC                 | 0.92    |
|     |   | PM/PM <sub>10</sub> | 1.38    |

- (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) NO<sub>x</sub> - total oxides of nitrogen  
 CO - carbon monoxide  
 SO<sub>2</sub> - sulfur dioxide  
 VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1  
 PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>  
 PM<sub>10</sub> - particulate matter 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.

\* 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

\*\* Maximum allowable annual rate:

Natural gas (8,400 hrs) + No. 2 fuel oil (360 hrs) = 16.54 + 1.21 =

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AIR CONTAMINANTS DATA

| Emission<br>*        | Source          | Air Contaminant | <u>Emission Rates</u> |            |
|----------------------|-----------------|-----------------|-----------------------|------------|
| <u>Point No. (1)</u> | <u>Name (2)</u> | <u>Name (3)</u> | <u>lb/hr</u>          | <u>TPY</u> |

17.75 tpy

Dated\_\_\_\_\_