

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 302

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

CASE I--FIRING NATURAL GAS AT FULL LOAD

| | | | | |
|-------|--------------|--------------------|-------|-------|
| HA-S4 | Boiler No. 4 | NO _x | 1,093 | --- |
| | | NO _x ** | 101 | --- |
| | | CO | 1,312 | 1,764 |
| | | SO ₂ | 81 | 109 |
| | | PM | 109 | 146 |
| | | VOC | 8 | 11 |
| | | NH ₃ ** | 26 | 114 |
| HA-S5 | Boiler No. 5 | NO _x | 1,093 | --- |
| | | NO _x ** | 101 | --- |
| | | CO | 1,312 | 1,764 |
| | | SO ₂ | 81 | 109 |
| | | PM | 109 | 146 |
| | | VOC | 8 | 11 |
| | | NH ₃ ** | 26 | 114 |

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AIR CONTAMINANTS DATA

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

CASE II--FIRING NO. 2 FUEL OIL AT FULL LOAD

| | | | | |
|-------|--------------|--------------------|-------|-------|
| HA-S4 | Boiler No. 4 | NO _x | 1,679 | --- |
| | | NO _x ** | 380 | --- |
| | | CO | 1,399 | 504 |
| | | SO ₂ | 2,780 | 1,001 |
| | | PM | 560 | --- |
| | | PM** | 590 | 224 |
| | | VOC | 8 | 3 |
| | | NH ₃ ** | 26 | 114 |
| HA-S5 | Boiler No. 5 | NO _x | 1,679 | --- |
| | | NO _x ** | 380 | --- |
| | | CO | 1,399 | 504 |
| | | SO ₂ | 2,780 | 1,001 |
| | | PM | 560 | --- |
| | | PM** | 590 | 224 |
| | | VOC | 8 | 3 |
| | | NH ₃ ** | 26 | 114 |

CASE I AND CASE II***

| | | | | |
|-------|--------------|-----------------|-----|----|
| HA-S4 | Boiler No. 4 | NO _x | --- | 73 |
| HA-S5 | Boiler No. 5 | NO _x | --- | 73 |

- (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 area name or fugitive source name.
- (3) NO_x - total oxides of nitrogen
CO - carbon monoxide
SO₂ - sulfur dioxide
PM - particulate matter, suspended in the atmosphere, including PM₁₀

PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NH₃ - ammonia

- * Emission rates are based on 2,688 hours per year (hrs/yr) at full load for natural gas firing and 720 hrs/yr at full load for fuel oil firing. These hours are not a maximum operating schedule; continuous operation at reduced load is authorized provided the annual emission limits are not exceeded.

Permit Number 302
Page 2

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- ** Emission limits during SCR operation. These emission rates are for representational purposes only. The emission rates of NO_x, PM, and NH₃ reflect emission rates authorized under Standard Permit Number 53846. If this standard permit becomes void, the enforceable emission rate covered under this permit is 202 tons per year PM for each boiler. **(8/04)**
- *** Total annual NO_x emission limits regardless of fuel fired. **(11/04)**

Dated December 9, 2004