Permit Number 5414

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 Rates * | Source | Air Contaminant | Emis | sion_ |
|---------------------|--------------------------------------|------------------------------------|---------------------------------------|--------------------------------------|
| Point No. (1) | Name (2) | Name (3) | lb/hr | TPY** |
| FE-1 | Fire Pump Engine No. 1 (6) 334-hp | NO_x CO VOC SO_2 PM_{10} | 10.35 2.23 0.82 0.68 0.73 | 0.45 0.10 0.04 0.03 0.03 |
| FE-2 | Fire Pump Engine No. 2 (6) 334-hp | NO_x CO VOC SO_2 PM_{10} | 10.35 2.23 0.82 0.68 0.73 | 0.45 0.10 0.04 0.03 0.03 |
| FE-3 | Fire Pump Engine No. 3 (6) 334-hp | NO_x CO VOC SO_2 PM_{10} | 10.35 2.23 0.82 0.68 0.73 | 0.45 0.10 0.04 0.03 0.03 |
| FE-4 | Fire Pump Engine No. 4 (6) 468-hp | NO_x CO VOC SO_2 PM_{10} | 14.51 3.13 1.16 0.96 1.03 | 0.63 0.14 0.05 0.04 0.05 |

AIR CONTAMINANTS DATA

| Emission Rates * | Source | Air Contaminant | | <u>Emission</u> |
|---------------------|---|---|--|---|
| Point No. (1) | Name (2) | Name (3) | lb/hr | TPY** |
| FL-1 | Flare Stack (Normal operation and pilot fuel) | CO NO _x SO ₂ VOC (7) Ethylene Propylene Butenes 1, 3 Butadiene | 60.80 30.45 0.01 200.00 100.00 100.00 126.50 110.23 | 20.05 10.04 0.01 50.74 15.00 15.00 9.49 8.27 |
| H-02 | Smalling Heater Stack | CO NO_x PM_{10} SO_2 VOC | 3.28 3.90 0.30 0.02 0.21 | 14.35 17.08 1.30 0.01 0.94 |
| H-07 | Propane Regen Heater Stack | CO NO_x PM_{10} SO_2 VOC | 0.42 0.50 0.01 0.04 0.03 | 1.84 2.19 0.01 0.17 0.12 |
| H-08 | Boiler Stack | CO NO_{x} PM_{10} SO_{2} VOC | 1.23 1.47 0.01 0.11 0.08 | 5.41 6.44 0.04 0.49 0.35 |
| H-09 | Butane Regen Heater Stack | CO NO_x PM_{10} SO_2 VOC | 0.29 0.35 0.01 0.03 0.02 | 1.29 1.53 0.01 0.12 0.08 |
| LR-1MP | Barge Slip Tubes and Rotary Gauges | VOC | 396.76 | 30.79 |

AIR CONTAMINANTS DATA

| Emission | Source | Air Contaminant | | <u>Emission</u> | |
|--|--|--|--------------------------------------|---------------------------------------|--|
| Rates * Point No. (1) | Name (2) | Name (3) | lb/hr | TPY** | |
| | | | | | |
| LR-1T | Truck Loading and Unloading Connections | VOC | 0.65 | 0.29 | |
| FUG-1 | Pmtd. Comp. Process Fug (4) | VOC | 54.42 | 238.34 | |
| GAS-FUG | Blending Fugitives | VOC | 0.71 | 3.13 | |
| These emission rates apply as long as H-03 and H-04 do not each exceed 4,730 hr/yr operation | | | | | |
| H-03 | A Glycol Heater Stack | CO NO_{x} PM_{10} SO_{2} VOC | 2.28 6.19 0.89 0.04 0.18 | 5.38 14.64 2.11 0.09 0.41 | |
| H-04 | B Glycol Heater Stack | CO NO_x PM_{10} SO_2 VOC | 2.28 6.19 0.89 0.04 0.18 | 5.38 14.64 2.11 0.09 0.41 | |
| These emission rates apply once H-03 and/or H-04 exceed 4,730 hr/yr operation | | | | | |
| H-03 | A Glycol Heater Stack (5) | CO NO_x PM_{10} SO_2 VOC | 5.46 1.63 0.49 0.04 0.36 | 16.73 4.98 1.51 0.12 1.10 | |
| H-04 | B Glycol Heater Stack (5) | CO NO_x PM_{10} SO_2 | 5.46 1.63 0.49 0.04 | 16.73 4.98 1.51 0.12 | |

AIR CONTAMINANTS DATA

| Emission | Source | Air Contaminant | Emission | |
|---------------|----------|-----------------|-----------------|-------|
| Rates * | | | | |
| Point No. (1) | Name (2) | Name (3) | lb/hr | TPY** |
| | | | | |
| | | VOC | 0.36 | 1.10 |

- (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) CO carbon monoxide
 - NO_x total oxides of nitrogen
 - PM₁₀ particulate matter equal to or less than 10 microns in diameter
 - SO₂ sulfur dioxide
 - VOC volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.
- (5) Emission rates for H-03 and H-04 are based on and the facilities are limited by the following maximum operating schedule: 6,130 hours per year.
- (6) 87 hours per year of operation.
- (7) VOC emissions include emission rates for HRVOC species of ethylene, propylene, Butenes, and 1, 3 Butadiene.
- * 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

** Compliance with annual emission limits is based on a rolling 12-month period.

Dated August 20, 2009