

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 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 * | Source | Air Contaminant | <u>Emission Rates</u> | |
|---------------|-------------------------------------|------------------|-----------------------|------------|
| Point No. (1) | Name (2) | Name (3) | <u>lb/hr</u> | <u>TPY</u> |
| C-2 | A - Turbine Stack | VOC | 3.80 | 6.66 |
| | | CO | 16.60 | 29.08 |
| | | NO _x | 14.80 | 25.93 |
| | | PM ₁₀ | <0.01 | <0.01 |
| | | SO ₂ | <0.01 | <0.01 |
| C-3 | B - Turbine Stack | VOC | 3.80 | 6.66 |
| | | CO | 16.60 | 29.08 |
| | | NO _x | 14.80 | 25.93 |
| | | PM ₁₀ | <0.01 | <0.01 |
| | | SO ₂ | <0.01 | <0.01 |
| H-01 | BS and B Regen Heater Stack 0.01 | VOC | | 0.01 |
| | | CO | 0.03 | 0.03 |
| | | NO _x | 0.15 | 0.13 |
| | | PM ₁₀ | 0.02 | 0.02 |
| | | SO ₂ | <0.01 | <0.01 |
| H-02 | Smalling Heater Stack | VOC | 0.11 | 0.47 |
| | | CO | 1.37 | 5.98 |
| | | NO _x | 5.48 | 23.91 |
| | | PM ₁₀ | 0.53 | 2.34 |
| | | SO ₂ | 0.02 | 0.01 |
| H-03 | A Glycol Heater Stack | VOC | 0.18 | 0.41 |
| | | CO | 2.28 | 5.38 |
| | | NO _x | 6.19 | 14.64 |

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AIR CONTAMINANTS DATA

| Emission * | 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> |
| | | PM ₁₀ | 0.89 | 2.11 |
| | | SO ₂ | 0.04 | 0.09 |

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AIR CONTAMINANTS DATA

| Emission * Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates | |
|--------------------------------|--|-----------------------------|----------------|--------|
| | | | lb/hr | TPY |
| H-04 | B Glycol Heater Stack | VOC | 0.18 | 0.41 |
| | | CO | 2.28 | 5.38 |
| | | NO _x | 6.19 | 14.64 |
| | | PM ₁₀ | 0.89 | 2.11 |
| | | SO ₂ | 0.04 | 0.09 |
| H-07 | Propane Regen Heater Stack 0.10 | VOC | | 0.02 |
| | | CO | 0.13 | 0.57 |
| | | NO _x | 0.63 | 2.74 |
| | | PM ₁₀ | 0.08 | 0.33 |
| | | SO ₂ | <0.01 | <0.01 |
| H-08 | Boiler Stack | VOC | 0.04 | 0.16 |
| | | CO | 0.20 | 0.87 |
| | | NO _x | 0.94 | 4.12 |
| | | PM ₁₀ | 0.11 | 0.49 |
| | | SO ₂ | 0.01 | 0.02 |
| H-09 | Butane Regen Heater Stack | VOC | 0.03 | 0.03 |
| | | CO | 0.18 | 0.16 |
| | | NO _x | 0.87 | 0.77 |
| | | PM ₁₀ | 0.11 | 0.09 |
| | | SO ₂ | <0.01 | <0.01 |
| FL-1 | Flare Stack | VOC | 176.40 | 196.60 |
| | | NO _x | 0.54 | 0.56 |
| | | CO | 1.08 | 1.13 |
| FUG-1 | Pmt'd. Comp. Leak Fug (4) | VOC | 39.99 | 174.22 |
| LR-1MP | Barge Slip Tubes and Rotary Gauges | VOC | 396.76 | 30.72 |
| LR-1T | Truck Loading and Unloading Connections | VOC | 1.48 | 0.35 |

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|-------|---------------------------------------|-----|--------|------|
| LR-2T | Truck Slip Tubes and Rotary Gauges | VOC | 340.77 | 5.70 |
|-------|---------------------------------------|-----|--------|------|

- (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) TSP - total suspended particulate, including PM₁₀
PM₁₀ - particulate matter less than 10 microns in diameter
VOC - volatile organic compounds as defined in General Rule 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
CO - carbon monoxide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

* 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 _____