

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 32833

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) | lb/hr | TPY |
| QT-501 Flare Stack | Flare and Pilot | PM | 0.33 | 0.13 |
| | | VOC | <0.01 | <0.01 |
| | | CO | 106.41 | 38.32 |
| | | NO _x | 5.43 | 2.06 |
| | | SO ₂ | 3.43 | 1.24 |
| | | HCl | 3.71 | 1.34 |
| | | H ₂ S | <0.01 | <0.01 |
| | | COS | 0.03 | 0.01 |
| | | HCN | 0.013 | <0.01 |
| | | Volatile Heavy Metals | | |
| | 0.02 | <0.01 | | |
| | Pre-Heaters | PM | 0.14 | 0.14 |
| | | VOC | 0.03 | 0.03 |
| | | CO | 0.35 | 0.35 |
| | | NO _x | 1.40 | 1.40 |
| | | SO ₂ | <0.01 | <0.01 |
| | | | | |
| SB-501 Baghouse | KB-201 | PM | <0.01 | <0.01 |
| | | | | |
| | KB-202 | PM | <0.01 | <0.01 |
| | | | | |
| | G-201 Tapping | PM | 0.04 | <0.01 |
| | | | | |
| | Casting Heater | PM | 0.07 | <0.01 |
| | | VOC | 0.02 | <0.01 |
| | | CO | 0.18 | 0.02 |
| | | NO _x | 0.70 | 0.07 |
| | | SO ₂ | <0.01 | <0.01 |

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| | | | |
|----------------------|---------------------|-------------------------|-------|
| SF-502 Carbon Filter | | Tanker Depressurization | VOC |
| | <0.01 | | <0.01 |
| Stack | and Tanks VT701-708 | | |

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> |
| TP-701 Scrubber | HCl Loading | HCl | 0.012 | <0.01 |
| | Tanks VT711-716 | HCl | 0.01 | 0.02 |
| Fugitives | Truck Sampling | VOC | 0.16 | <0.01 |
| | Piping Components (4) | VOC | 0.25 | 1.09 |
| | | HCl | 0.08 | 0.33 |

- (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) PM - total suspended particulate, including PM₁₀
 COS - carbonyl sulfide
 VOC - volatile organic compounds as defined in General Rule 101.1
 NO_x - total oxides of nitrogen
 SO₂ - sulfur dioxide
 CO - carbon monoxide
 HCl - hydrogen chloride
 H₂S - hydrogen sulfide
 HCN - hydrogen cyanide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

Facility operating schedule is 8,760 hours per year.

Dated_____