

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 84108

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, sources, and related activities. 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.<br>(1) | Source Name (2)                | Air Contaminant Name (3) | Emission Rates |         |
|---------------------------|--------------------------------|--------------------------|----------------|---------|
|                           |                                |                          | lbs/hour       | TPY (5) |
| FUG-1                     | Fugitives (4)                  | VOC                      | 4.58           | 20.06   |
| FUG-2                     | Fugitives (4)                  | VOC                      | 0.02           | 0.11    |
| FUG-5                     | Truck Loading                  | VOC                      | 1.62           | 0.58    |
| FUG-6                     | Hose Disconnect                | VOC                      | 0.54           | 1.08    |
| FL-5                      | Flare - Pilot Gas              | VOC                      | 0.01           | 0.01    |
|                           |                                | NOx                      | 0.02           | 0.09    |
|                           |                                | CO                       | 0.04           | 0.18    |
|                           |                                | SO2                      | 0.01           | 0.01    |
| FL-5                      | Flare - Purging of Truck Tanks | VOC                      | 13.80          | 0.69    |
|                           |                                | NOx                      | 0.50           | 0.03    |
|                           |                                | CO                       | 0.99           | 0.05    |
|                           |                                | SO2                      | 0.01           | 0.01    |
| H-7001                    | Heater                         | VOC                      | 0.07           | 0.30    |
|                           |                                | NOx                      | 1.23           | 5.38    |
|                           |                                | CO                       | 1.03           | 4.52    |
|                           |                                | SO2                      | 0.01           | 0.03    |
|                           |                                | PM10                     | 0.09           | 0.41    |
| V-2                       | Inlet Gas Amine Unit No. 1     | VOC                      | 2.70           | 12.83   |
| V-3                       | Liquid Phase Amine Unit        | VOC                      | 1.29           | 5.64    |
| V-4                       | Liquid Phase Glycol Unit       | VOC                      | 0.01           | 0.01    |

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|  |                                |                 |        |       |
|--|--------------------------------|-----------------|--------|-------|
| V-5  | Inlet Gas Amine Unit<br>No. 2  | VOC             | 3.51   | 16.68 |
| <u>Planned Maintenance, Start-up, and Shutdown Activities Emissions:</u> |                                |                 |        |       |
| FL-5   | Flare - MSS                    | VOC             | 133.38 | 0.11  |
|  |                                | NOx             | 28.98  | 0.03  |
|  |                                | CO              | 57.86  | 0.06  |
|  |                                | SO <sub>2</sub> | 0.01   | 0.01  |
| SV-36  | Pit Water Tank                 | VOC             | 27.69  | 0.14  |
| SV-37  | Pit Water Tank                 | VOC             | 44.35  | 0.12  |
| SV-38  | Pit Water Tank                 | VOC             | 44.35  | 0.12  |
| SV-39  | Condensate Tank                | VOC             | 7.70   | 0.17  |
| SV-40  | Condensate Tank                | VOC             | 7.70   | 0.17  |
| SV-41  | Condensate Tank                | VOC             | 7.70   | 0.17  |
| SV-43  | Condensate Tank                | VOC             | 0.41   | 0.10  |
| V-1  | Inlet Gas Glycol Unit<br>No. 1 | VOC             | 13.58  | 1.96  |
| V-6  | Inlet Gas Glycol Unit<br>No. 2 | VOC             | 13.58  | 1.96  |

- (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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
  - NO<sub>x</sub> - nitrogen oxides
  - CO - carbon monoxide
  - SO<sub>2</sub> - sulfur dioxide
  - 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
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: \_\_\_\_\_