

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

### AIR CONTAMINANTS DATA

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

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 6208

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.

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| Emission<br>Point No. (1) | Source<br>Name (2)                           | Air Contaminant<br>Name (3) | Emission Rates * |       |
|---------------------------|--|-----------------------------|------------------|-------|
|                           |  |                             | lb/hr            | TPY   |
| H-010                     | Hydrodesulfurizer Charge<br>Heater           | VOC                         | 0.1              | 0.5   |
|                           |  | NO <sub>x</sub>             | 0.98             | 4.29  |
|                           |  | SO <sub>2</sub>             | 0.68             | 3.0   |
|                           |  | PM                          | 0.25             | 1.07  |
|                           |  | CO                          | 0.98             | 4.29  |
| H-011                     | No. 1 Reformer Stabilizer<br>Reboiler Heater | VOC                         | 0.05             | 0.2   |
|                           |  | NO <sub>x</sub>             | 0.51             | 2.24  |
|                           |  | SO <sub>2</sub>             | 0.29             | 1.25  |
|                           |  | PM                          | 0.1              | 0.45  |
|                           |  | CO                          | 0.41             | 1.79  |
| H-012                     | No. 1 Reformer Charge<br>Heaters (5)         | VOC                         | 0.48             | 2.1   |
|                           |  | NO <sub>x</sub>             | 12.9             | 56.51 |
|                           |  | SO <sub>2</sub>             | 3.0              | 13.1  |
|                           |  | PM                          | 3.19             | 13.97 |
|                           |  | CO                          | 3.19             | 13.97 |
| H-013                     | No. 1 Reformer Stabilizer                    | VOC                         | 0.04             | 0.16  |

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|---------------------------|----------------------------|-----------------------------|------------------|------|
|                           |                            |                             | lb/hr            | TPY  |
|                           | Reboiler Heater            | NO <sub>x</sub>             | 1.04             | 4.57 |
|                           |                            | SO <sub>2</sub>             | 0.24             | 1.06 |
|                           |                            | PM                          | 0.26             | 1.13 |
|                           |                            | CO                          | 0.26             | 1.13 |
| H-031                     | Hydrodesulfurizer Stripper | VOC                         | 0.09             | 0.4  |
|                           | Reboiler Heater            | NO <sub>x</sub>             | 0.81             | 3.56 |
|                           |                            | SO <sub>2</sub>             | 0.57             | 2.48 |
|                           |                            | PM                          | 0.2              | 0.89 |
|                           |                            | CO                          | 0.81             | 3.56 |
| V-006                     | No. 1 Reformer             | CO                          |                  | 1.3  |
|                           | Regeneration Vent          |                             |                  |      |
| F-0520                    | Fugitives (4)              | VOC                         | 1.8              | 7.9  |
| F-0530                    | Fugitives (4)              | VOC                         | 2.14             | 9.4  |
| F-0630                    | Fugitives (4)              | VOC                         | 0.39             | 1.7  |
| F-0900                    | Fugitives (4)              | VOC                         | 0.23             | 1.0  |
| F-0840                    | Fugitives (4)              | VOC                         | 1.16             | 5.1  |

(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 General Rule 101.1

NO<sub>x</sub> - total oxides of nitrogen

SO<sub>2</sub> - sulfur dioxide

PM - particulate matter

CO - carbon monoxide

(4) Fugitive emissions are an estimate only and should not be considered as maximum allowable emission rates.

(5) Three heaters share a common stack.

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|---------------------------|--------------------|-----------------------------|-------------------------|------------|
|                           |                    |                             | <u>lb/hr</u>            | <u>TPY</u> |

\* 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 \_\_\_\_\_