

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 29010

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<br>Point No. (1) | Source<br>Name (2)                | Air Contaminant<br>Name (3) | Emission Rates * |        |
|---------------------------|-----------------------------------|-----------------------------|------------------|--------|
|                           |                                   |                             | lb/hr            | TPY ** |
| BMA-1                     | Tank No. 91325                    | VOC                         | 5.93             | 1.29   |
| BMA-2                     | Tank No. 91326                    | VOC                         | 7.41             | 1.29   |
| BMA-3                     | Feedstock Storage Tank            | VOC                         | 0.053            | 0.18   |
| BMA-4                     | Catalyst Storage                  | VOC                         | <0.01            | <0.01  |
| BMA-5                     | Catalyst Storage                  | VOC                         | <0.01            | <0.01  |
| BMA-9                     | Process Vessel                    | VOC                         | 0.014            | 0.20   |
| BMA-11                    | Process Vessel                    | VOC                         | 0.011            | 0.06   |
| BMA-13                    | Process Vessel                    | VOC                         | 0.75             | <0.01  |
| BMA-15                    | Process Vessel                    | VOC                         | 0.05             | <0.01  |
| BMA-16                    | Byproduct Storage Tank            | VOC                         | 1.38             | 0.68   |
| BMA-17                    | BMA Flare                         | CO                          | 3.22             | 13.46  |
|                           |                                   | NO <sub>x</sub>             | 0.38             | 1.57   |
|                           |                                   | VOC                         | 2.72             | 9.85   |
| BMA-19                    | Product Storage Tank              | VOC                         | 0.10             | 0.45   |
| BMA-20                    | Product Storage Tank              | VOC                         | 0.10             | 0.45   |
| BMA-21                    | Bleed Stripper<br>Bottoms Storage | VOC                         | 0.01             | 0.02   |

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|---------------------------|--------------------------|-------------------------------|-------------------------|--------|
|                           |                          |                               | lb/hr                   | TPY ** |
| BMA-23                    | Drain Tank               | VOC                           | 4.48                    | 1.27   |
| BMA-24                    | Feed Tank                | VOC                           | 0.01                    | 0.06   |
| BMA-25                    | Recycle Tank             | VOC                           | <0.01                   | <0.01  |
| BMA-26                    | Product Loading          | VOC                           | 3.55                    | 0.23   |
| BMA-27                    | Stripper Bottoms Loading | VOC                           | 1.78                    | <0.01  |
| BMA-FUG                   | Fugitives (4)            | VOC                           | 2.50                    | 10.96  |
| PN-MMA-1                  | Tank No. 28054           | VOC                           | 5.69                    | 6.5    |
| PN-MMA-2                  | Tank No. 96674           | VOC                           | 3.94                    | 6.2    |
| PN-MMA-3                  | DMMA Distillate Receiver | Start-Up/Upset Emissions Only |                         |        |
| PN-MMA-4                  | Tank No. 03814           | VOC                           | 0.88                    | 0.04   |
| PN-MMA-5                  | Tank No. 03798           | Upset Emissions Only          |                         |        |
| PN-MMA-8                  | Tank No. 28100           | VOC                           | 1.18                    | 0.01   |
| PN-MMA-9                  | Tank No. 91329           | VOC                           | 7.41                    | 0.44   |
| PN-MMA-10                 | Tank No. 90071           | VOC                           | 1.09                    | 0.69   |
| PN-MMA-11                 | Tank No. 90075           | VOC                           | 1.09                    | 0.69   |
| LOAD-1                    | Loading at P-North       | VOC                           | 3.23                    | 0.82   |
| MMA-FUG                   | DMMA Unit Fugitives      | VOC                           | 1.44                    | 6.31   |

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- (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<sub>x</sub> - total oxides of nitrogen  
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1.
- (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

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

Dated \_\_\_\_\_