

## Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 118239 and N200

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. (1) | Source Name (2)                             | Air Contaminant Name (3) | Emission Rates |         |
|------------------------|---|--------------------------|----------------|---------|
|                        |   |                          | lbs/hour       | TPY (4) |
| 16-1-4                 | Emergency Diesel Generator                  | CO                       | 0.42           | 0.01    |
|                        |   | NO <sub>x</sub>          | 15.99          | 0.42    |
|                        |   | PM                       | 0.06           | <0.01   |
|                        |   | PM <sub>10</sub>         | 0.06           | <0.01   |
|                        |   | PM <sub>2.5</sub>        | 0.06           | <0.01   |
|                        |   | SO <sub>2</sub>          | 0.02           | <0.01   |
|                        |   | VOC                      | 0.03           | <0.01   |
| 16-1-5                 | Analyzer Vents                              | NH <sub>3</sub>          | 0.02           | 0.08    |
| 16-1-11                | Diesel Tank                                 | VOC                      | 0.06           | <0.01   |
| 16-1-13                | Lube Tank                                   | VOC                      | 0.01           | <0.01   |
| 16-1-CT                | Cooling Tower                               | PM                       | 0.56           | 1.92    |
|                        |   | PM <sub>10</sub>         | 0.28           | 0.96    |
|                        |   | PM <sub>2.5</sub>        | 0.01           | 0.02    |
|                        |   | NH <sub>3</sub>          | 0.01           | 0.03    |
| 16-1-FUG               | Fugitives (5)                               | NH <sub>3</sub>          | 0.51           | 2.23    |
| 16-2-FUG               | Fugitives (5) OSBL Anhydrous Ammonia Stream | NH <sub>3</sub>          | 0.04           | 0.18    |
| 16-1-MSS               | MSS Chemical Usage, PSVs                    | VOC                      | 0.63           | 0.11    |
|                        |   | NH <sub>3</sub>          | 0.10           | <0.01   |
|                        |   | NO <sub>x</sub>          | 0.02           | <0.01   |
| 16-1-2                 | Flare Normal Operations                     | CO                       | 0.28           | 1.21    |
|                        |   | NO <sub>x</sub>          | 1.40           | 6.00    |
|                        |   | SO <sub>2</sub>          | <0.01          | <0.01   |
|                        |   | VOC                      | <0.01          | 0.02    |
|                        |   | NH <sub>3</sub>          | 0.44           | 1.71    |
|                        | Depressurization Emissions to Flare (6)     | CO                       | 38.69          | 0.17    |
|                        |   | NO <sub>x</sub>          | 287.62         | 5.15    |
|                        |   | SO <sub>2</sub>          | 0.05           | <0.01   |
|                        |   | VOC                      | 0.48           | <0.01   |
|                        |   | NH <sub>3</sub>          | 154.14         | 1.58    |
|                        | Flare Startup MSS                           | CO                       | 38.69          | 0.14    |
|                        |   | NO <sub>x</sub>          | 287.62         | 3.90    |
|                        |   | SO <sub>2</sub>          | 0.04           | <0.01   |
|                        |   | VOC                      | 0.38           | <0.01   |
|                        |   | NH <sub>3</sub>          | 138.93         | 0.85    |

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|        |   |                   |        |       |
|--------|---|-------------------|--------|-------|
|        | Flare Shutdown MSS  | CO                | 20.15  | 0.03  |
|        |   | NO <sub>x</sub>   | 238.53 | 0.61  |
|        |   | SO <sub>2</sub>   | 0.02   | <0.01 |
|        |   | VOC               | 0.20   | <0.01 |
|        |   | NH <sub>3</sub>   | 154.14 | 0.28  |
|        | Ammonia Recovery System<br>Maintenance Emissions to Flare | CO                | 7.70   | 0.28  |
|        |   | NO <sub>x</sub>   | 8.20   | 0.30  |
|        |   | SO <sub>2</sub>   | 0.01   | <0.01 |
|        |   | VOC               | 0.08   | <0.01 |
|        |   | NH <sub>3</sub>   | 5.40   | 0.19  |
| 16-1-3 | Ammonia Catalyst Reduction<br>Emissions to Flare          | NO <sub>x</sub>   | 49.58  | 4.02  |
|        |   | NH <sub>3</sub>   | 2.98   | 0.25  |
|        | Ammonia Start-Up Heater MSS                               | CO                | 3.52   | 0.53  |
|        |   | NO <sub>x</sub>   | 3.42   | 0.51  |
|        |   | PM                | 0.72   | 0.11  |
|        |   | PM <sub>10</sub>  | 0.72   | 0.11  |
|        |   | PM <sub>2.5</sub> | 0.72   | 0.11  |
|        |   | SO <sub>2</sub>   | 0.06   | 0.01  |
|        |   | VOC               | 0.48   | 0.07  |

- (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> - total oxides of nitrogen
  - SO<sub>2</sub> - sulfur dioxide
  - PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented
  - PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented
  - PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter
  - CO - carbon monoxide
  - NH<sub>3</sub> - ammonia
- (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.
- (6) Controlled depressurization activities are only authorized if they are conducted in accordance with Special Condition 16.

Date: May 9, 2022