

## Emission Sources - Maximum Allowable Emission Rates

Permit Number 31811

This table lists the maximum allowable emission rates and all sources of air contaminants 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<br>(3)                                                             | Emission Rates (4) |                                                                                                |
|---------------------------|-----------------------|-----------------------------------------------------------------------------------------|--------------------|------------------------------------------------------------------------------------------------|
|                           |                       |                                                                                         | lbs/hour           | TPY                                                                                            |
| All Stacks                | Site-wide             | VOC<br>Non-Reactive VOC<br>Inorganics<br>NO <sub>x</sub><br>PM<br>CO<br>SO <sub>2</sub> |                    | 100.36 (5)(7)<br>225.62 (7)<br>140.91 (7)<br>225.53 (5)<br>18.21 (5)<br>219.12 (5)<br>2.63 (5) |
| B-1 through 6             | Boilers (natural Gas) | VOC                                                                                     | 0.32               | 1.39                                                                                           |
|                           |                       | NO <sub>x</sub>                                                                         | 1.75               | 7.67                                                                                           |
|                           |                       | PM                                                                                      | 1.21               | 5.30                                                                                           |
|                           |                       | CO                                                                                      | 70.63              | 2.12                                                                                           |
|                           |                       | SO <sub>2</sub>                                                                         | 18.33              | 0.55                                                                                           |
| GEN-1 through 12          | Generators            | VOC                                                                                     | 41.39              | 1.24                                                                                           |
|                           |                       | NO <sub>x</sub>                                                                         | 591.61             | 17.75                                                                                          |
|                           |                       | PM                                                                                      | 14.10              | 0.42                                                                                           |
|                           |                       | CO                                                                                      | 70.63              | 2.12                                                                                           |
|                           |                       | SO <sub>2</sub>                                                                         | 18.33              | 0.55                                                                                           |
| SITE-WIDE                 |                       | Individual HAP                                                                          |                    | 7.64 (6)                                                                                       |
|                           |                       | Combined HAP                                                                            |                    | 11.45 (6)                                                                                      |

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.  
 (2) Specific point source name.

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- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1 (30 TAC § 101.1)  
Non-Reactive VOC - VOC specifically excluded from the definition of VOC in 30 TAC § 101.1  
Inorganics - non-organic compounds  
NO<sub>x</sub> - total oxides of nitrogen  
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> - total 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  
SO<sub>2</sub> - sulfur dioxide  
HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
- (4) Rate is for a rolling 12 consecutive months.
- (5) Site-wide totals include products of combustion from Boilers (EPNs B-1 through 6); Concentrators/Oxidizers (EPNs TO-1 through 4); and Generators (EPNs GEN-1 through 12). Emission rates listed in this maximum allowable emission rates table from EPNs B-1 through 6, EPNs TO-1 through 4, and EPNs GEN-1 through 12 shall not be summed to EPN All Stacks to obtain total sitewide allowable emission rates.
- (6) Individual and Combined HAP emission limits are sitewide caps and include all sources, whether specifically covered under this permit or through other authorizations (i.e., permit by rule, etc.).
- (7) Planned maintenance, startup, and shutdown (MSS) for the rotary concentrator/thermal oxidizers and the scrubbers were reviewed for the October 2010 permit amendment and MSS emissions are included in allowable emission rates.

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