

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 7264

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 (6)   |
| A-406                     | Storage Tank               | VOC  | 0.04  | 0.01  |
| SA-407                    | Scrubber                   | N <sub>2</sub> H <sub>4</sub>  | 0.01  | 0.01  |
| B-416                     | Storage Tank               | VOC  | 0.13  | 0.01  |
| B-420                     | Storage Tank               | VOC  | 0.02  | 0.01  |
| B-421                     | Storage Tank               | VOC  | 0.02  | 0.01  |
| C-452                     | Storage Tank               | VOC  | 0.85  | 0.07  |
| C-455                     | Storage Tank               | VOC  | 0.04  | 0.01  |
| F-401                     | Plate and Frame            | VOC  | 0.39  | 0.62  |
| F-402                     | Plate and Frame            | VOC  | 4.00  | 9.78  |
| FUG-3                     | Fugitives (4)              | VOC<br>N <sub>2</sub> H <sub>4</sub><br>HNO <sub>3</sub><br>BF <sub>3</sub><br>NH <sub>3</sub>   | 0.75<br>0.02<br>0.01<br>0.01<br>0.01                                  | 3.30<br>0.07<br>0.03<br>0.01<br>0.05                                  |
| FUG-CAKE                  | Product Filter Cake<br>(4) | VOC  | 2.28  | 10.00   |
| X-401                     | Incinerator (5)            | PM/PM <sub>10</sub> /PM <sub>2.5</sub><br>SO <sub>2</sub><br>NO <sub>x</sub><br>CO<br>VOC<br>HNO <sub>3</sub><br>BF <sub>3</sub><br>N <sub>2</sub> H <sub>4</sub><br>NH <sub>3</sub> | 0.09<br>0.01<br>14.68<br>0.95<br>0.17<br>0.70<br>0.01<br>0.01<br>0.01 | 0.36<br>0.03<br>15.08<br>3.97<br>0.40<br>1.49<br>0.04<br>0.01<br>0.02 |
| X-402                     | Flare (5)                  | VOC<br>SO <sub>2</sub><br>NO <sub>x</sub><br>CO<br>HNO <sub>3</sub><br>BF <sub>3</sub>   | 9.03<br>0.01<br>110.58<br>5.28<br>0.70<br>0.01                        | 4.62<br>0.01<br>22.54<br>5.20<br>1.49<br>0.01                         |

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|        |                            |  |              |              |
|--------|----------------------------|--|--------------|--------------|
|        |                            | N <sub>2</sub> H <sub>4</sub><br>NH <sub>3</sub> | 0.01<br>0.08 | 0.01<br>0.23 |
| HS-400 | Filter Aid Handling System | PM <sub>10</sub>                                 | 0.10         | 0.15         |
| HS-401 | Filter Aid Handling System | PM <sub>10</sub>                                 | 0.10         | 0.15         |
| A-3    | Loading (4)                | VOC  | 0.12         | 0.10         |
| A-4    | Loading (4)                | VOC  | 0.78         | 0.42         |
| 2-8    | Loading (4)                | VOC  | 0.69         | 2.69         |

- (1) Emission point identification - either specific equipment designation or emission point number (EPN) from a plot plan.
- (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
N<sub>2</sub>H<sub>4</sub> - hydrazine  
HNO<sub>3</sub> - nitric acid  
BF<sub>3</sub> - boron trifluoride  
NH<sub>3</sub> - ammonia  
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  
PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter  
SO<sub>2</sub> - sulfur dioxide  
NO<sub>x</sub> - total oxides of nitrogen  
CO - carbon monoxide
- (4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.
- (5) Emissions from the EPN X-401 Incinerator and the EPN X-402 Flare are not additives; therefore, the combined emissions from the EPN X-401 Incinerator and EPN X-402 Flare will not exceed the greater of the allowable emissions for each air contaminant from each individual emission point (excluding the emissions from the combustion of pilot gas).
- (6) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.

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