## Emission Sources - Maximum Allowable Emission Rates

## Permit Number 23102

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) |
| P1                     | Wash Rack Area<br>Fugitives    | VOC                            | 26.65          | 3.50    |
|                        |                                | Non-VOC organics               | 0.01           | 0.06    |
|                        |                                | H <sub>2</sub> SO <sub>4</sub> | <0.01          | <0.01   |
|                        |                                | IOC-U                          | 0.11           | 0.49    |
| P3                     | Thermal Oxidizer /<br>Scrubber | VOC                            | 1.62           | 7.11    |
|                        |                                | NO <sub>x</sub>                | 0.79           | 3.46    |
|                        |                                | СО                             | 0.91           | 3.97    |
|                        |                                | SO <sub>2</sub>                | 0.79           | 3.44    |
|                        |                                | HCI                            | 1.70           | 1.70    |
|                        |                                | HBr                            | 0.87           | 0.87    |
|                        |                                | HF                             | 0.02           | 0.02    |
|                        |                                | Non-VOC organics               | 0.39           | 1.71    |
|                        |                                | IOC-U                          | 0.03           | 0.12    |
|                        |                                | PM                             | <0.01          | <0.01   |
|                        |                                | PM <sub>10</sub>               | <0.01          | <0.01   |
|                        |                                | PM <sub>2.5</sub>              | <0.01          | <0.01   |
| P5                     | Boiler                         | VOC                            | 0.04           | 0.19    |
|                        |                                | РМ                             | 0.06           | 0.26    |
|                        |                                | PM <sub>10</sub>               | 0.06           | 0.26    |
|                        |                                | PM <sub>2.5</sub>              | 0.06           | 0.26    |
|                        |                                | NO <sub>x</sub>                | 0.10           | 0.43    |
|                        |                                | СО                             | 0.08           | 0.35    |
|                        |                                | SO <sub>2</sub>                | 0.01           | 0.05    |
| P6                     | Fugitives (5)                  | VOC                            | <0.01          | <0.01   |
|                        |                                | Non-VOC organics               | <0.01          | <0.01   |

Project Number: 237957

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|  | IOC-U | <0.01 | <0.01 |
|--|-------|-------|-------|
|--|-------|-------|-------|

- (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

Non-VOC organics - organic compounds excluded from the definition of VOC in 40 CFR 51.100(s)

IOC-U - inorganic compounds (unspeciated)

NOx - total oxides of nitrogen

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

PM - total particulate matter, suspended in the atmosphere, including PM10 and PM2.5, as

represented

PM10 - total particulate matter equal to or less than 10 microns in diameter, including PM2.5, as

represented

PM2.5 - particulate matter equal to or less than 2.5 microns in diameter

CO - carbon monoxide
HCl - Hydrogen chloride
HBr - Hydrogen bromide
HF - Hydrogen fluoride
H<sub>2</sub>SO<sub>4</sub> - Sulfuric Acid

(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.

| Date: | June 22,  | 2018 |
|-------|-----------|------|
| Date. | ouric ZZ, | _U_U |