Permit Number 4943B

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) | | Air Contaminant Name (3) | Emission Rates | |
|-------------------------------|---------------|--------------------------|----------------|---------|
| | | | lbs/hour | TPY (4) |
| DPV-002 | T6254 Sump | EDC | 0.01 | 0.01 |
| | | VOC | 0.02 | 0.02 |
| DPV-003 | F6201 Furnace | NO _x | 2.45 | (6) |
| | | со | 3.01 | (6) |
| | | SO ₂ | 0.04 | (6) |
| | | PM | 0.52 | (6) |
| | | PM ₁₀ | 0.52 | (6) |
| | | PM _{2.5} | 0.52 | (6) |
| | | VOC | 0.37 | (6) |
| DPV-004 | F6202 Furnace | NO _x | 2.45 | (6) |
| | | со | 3.01 | (6) |
| | | SO ₂ | 0.04 | (6) |
| | | PM | 0.52 | (6) |
| | | PM ₁₀ | 0.52 | (6) |
| | | PM _{2.5} | 0.52 | (6) |
| | | VOC | 0.37 | (6) |
| DPV-005 | F6203 Furnace | NO _x | 2.45 | (6) |
| | | со | 3.01 | (6) |
| | | SO ₂ | 0.04 | (6) |
| | | PM | 0.52 | (6) |
| | | PM ₁₀ | 0.52 | (6) |
| | | PM _{2.5} | 0.52 | (6) |
| | | VOC | 0.37 | (6) |
| | | | | |

| DPV-017 | F6204 Furnace | NO _x | 5.18 | (6) |
|--|---------------------|-------------------|-------|-------|
| | | СО | 5.86 | (6) |
| | | SO ₂ | 0.04 | (6) |
| | | РМ | 0.52 | (6) |
| | | PM ₁₀ | 0.52 | (6) |
| | | PM _{2.5} | 0.52 | (6) |
| | | voc | 0.37 | (6) |
| Total annual allowables for all four cracking furnaces | | NO _x | | 52.68 |
| lumaces | | со | | 62.62 |
| | | | | 0.68 |
| | | PM | | 8.68 |
| | | PM ₁₀ | | 8.68 |
| | | PM _{2.5} | | 8.68 |
| | | voc | | 6.28 |
| DPV-006 | Decoke Vessel V6212 | со | 43.64 | (7) |
| | | voc | 2.17 | (7) |
| | | РМ | 1.11 | (7) |
| | | PM ₁₀ | 1.11 | (7) |
| | | PM _{2.5} | 1.11 | (7) |
| | | HCI | 0.80 | (7) |
| DPV-007 | Decoke Vessel V6214 | со | 43.64 | (7) |
| | | voc | 2.17 | (7) |
| | | РМ | 1.11 | (7) |
| | | PM ₁₀ | 1.11 | (7) |
| | | PM _{2.5} | 1.11 | (7) |
| | | HCI | 0.80 | (7) |
| | | | | |
| Total annual allowables for the decoking emissions | | со | | 12.56 |
| | | VOC | | 0.62 |

| I | | | | |
|----------|----------------------------|-----------------------|-------|-------|
| | | PM | | 0.32 |
| | | PM ₁₀ | | 0.32 |
| | | PM _{2.5} | | 0.32 |
| | | HCI | | 0.23 |
| DPV-010 | T6151 Tank | VOC | 0.01 | 0.01 |
| DPV-011 | T6259 Tank | voc | 0.01 | 0.01 |
| DPV-013 | C1704 Scrubber | HCI | 0.01 | 0.05 |
| DPV-014 | T1790 Tank and Scrubber | HCI | 0.01 | 0.01 |
| DPV-015 | A1750 Incinerator | NO _x | 1.40 | 6.13 |
| | | со | 5.42 | 4.35 |
| | | CO (8) | 50.00 | (8) |
| | | VOC | 0.85 | 0.25 |
| | | PM (9) | 2.84 | 7.66 |
| | | PM ₁₀ (9) | 2.84 | 7.66 |
| | | PM _{2.5} (9) | 2.84 | 7.66 |
| | | Cl ₂ /HCl | 6.44 | 23.83 |
| | | SO ₂ | 0.02 | 0.10 |
| DPV-016 | A1770 Incinerator | NO _x | 1.40 | 6.13 |
| | | СО | 5.42 | 4.35 |
| | | CO (8) | 50.00 | (8) |
| | | VOC | 0.85 | 0.25 |
| | | PM (9) | 2.84 | 7.66 |
| | | PM ₁₀ (9) | 2.84 | 7.66 |
| | | PM _{2.5} (9) | 2.84 | 7.66 |
| | | Cl ₂ /HCl | 6.44 | 23.83 |
| | | SO ₂ | 0.02 | 0.10 |
| DPV-019 | T6255 Tank | NaOH | 0.01 | 0.01 |
| F-DPV-01 | VCM Plant Fugitives | EDC | 2.73 | 11.95 |
| | (5) | VCM | 0.34 | 1.49 |
| L | | 1 | | |

| i | i | | | |
|-----------|---|-------------------|-------|-------|
| | | voc | 4.55 | 19.93 |
| | | HCI | 0.08 | 0.34 |
| | | Cl ₂ | 0.02 | 0.09 |
| F-DPV-02 | Incinerator Fugitives (5) | EDC | 0.04 | 0.17 |
| | | voc | 0.16 | 0.70 |
| F-DPV-03 | VCM Storage Fugitives (5) | VCM | 0.91 | 3.99 |
| DPV-025 | Cooling Tower | voc | 19.97 | 3.68 |
| | | РМ | 0.50 | 1.10 |
| | | PM ₁₀ | 0.20 | 0.88 |
| | | PM _{2.5} | 0.01 | 0.01 |
| | | Cl ₂ | 0.01 | 0.01 |
| DPV-028 | Lube Oil Tank | voc | 0.01 | 0.01 |
| F-DPV-MSS | Maintenance, Startup and Shutdown on VCM process spheres | VCM | 81.93 | 0.33 |

(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

 $\begin{array}{lll} NO_x & & - \mbox{ total oxides of nitrogen} \\ CO & - \mbox{ carbon monoxide} \\ SO_2 & - \mbox{ sulfur dioxide} \end{array}$

PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$ - particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$

PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter

NaOH - sodium hydroxide

Cl₂ - chlorine

HCI - hydrogen chloride
EDC - ethylene dichloride
VCM - vinyl chloride monomer

- (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) Total annual emissions for all four cracking furnaces are limited to the combined allowables listed under "Total annual allowables for all four cracking furnaces."
- (7) Total annual emissions for the decoking vessels are limited to the combined allowables listed under "Total annual allowables for the decoking emissions.
- (8) Stack concentrations of CO may exceed 100 ppmv corrected to 7 percent oxygen during start-up, shutdown, and transition events.
- (9) The total long-term PM₁₀ allowable for both incinerators is 13.84 tpy. In order to allow increased operational flexibility, either incinerator may emit more than 6.92 tpy as long as both incinerators together emit no more than 13.84 tpy.

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Date: _ June 13, 2022