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. | Source Name (2) | Air Contaminant Name (3) | Emission Rates* | |
|--------------------|-----------------|--------------------------|-----------------|---------|
| (1) | | | lbs/hour | TPY (4) |
| DPV-002 | T6254 Sump | EDC | 0.01 | 0.01 |
| | | VOC | 0.01 | 0.01 |
| DPV-003 | F6201 Furnace | NO _x | 2.31 | (6) |
| | | СО | 5.87 | (6) |
| | | SO ₂ | 0.04 | (6) |
| | | PM _{2.5} | 0.52 | (6) |
| | | voc | 0.37 | (6) |
| DPV-004 | F6202 Furnace | NO _x | 2.52 | (6) |
| | | СО | 5.87 | (6) |
| | | SO ₂ | 0.04 | (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) |
| | | РМ | 0.52 | (6) |
| | | PM ₁₀ | 0.52 | (6) |
| | | PM _{2.5} | 0.52 | (6) |
| | | voc | 0.37 | (6) |

| DPV-017 | F6204 Furnace | NOx | 5.18 | (6) |
|--|---------------------|-------------------|-------|-------|
| | | СО | 5.86 | (6) |
| | | SO ₂ | 0.04 | (6) |
| | | PM _{2.5} | 0.52 | (6) |
| | | VOC | 0.37 | (6) |
| Total annual allowables for all four cracking | NO _x | | 52.39 | |
| furnaces | | СО | | 86.64 |
| | | SO ₂ | | 0.68 |
| | | 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) |
| | | HCI | 0.80 | (7) |
| DPV-007 | Decoke Vessel V6214 | СО | 43.64 | (7) |
| | | VOC | 2.17 | (7) |
| | | РМ | 1.11 | (7) |
| | | HCI | 0.80 | (7) |
| Total annual allowables for the decoking emissions | | со | | 12.56 |
| | | VOC | | 0.62 |
| | | РМ | | 0.32 |
| | | HCI | | 0.24 |
| 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 ₁₀ (9) | 1.58 | 6.92 |
| | | Cl ₂ /HCl | 5.44 | 23.83 |
| | | SO ₂ | 0.01 | 0.01 |
| 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 ₁₀ (9) | 1.58 | 6.92 |
| | | Cl ₂ /HCl | 5.44 | 23.83 |
| | | SO ₂ | 0.01 | 0.01 |
| DPV-019 | T6255 Tank | NaOH | 0.01 | 0.01 |
| F-DPV-01 | VCM Plant Fugitives (5) | EDC | 2.73 | 11.95 |
| | | VCM | 0.34 | 1.49 |
| | | VOC | 1.49 | 6.49 |
| | | HCI | 0.08 | 0.34 |
| | | Cl ₂ | 0.02 | 0.09 |
| F-DPV-02 | Incinerator Fugitives (5) | EDC | 0.04 | 0.17 |
| | (-) | VOC | 0.12 | 0.53 |
| F-DPV-03 | VCM Storage Fugitives (5) | VCM | 0.91 | 3.99 |
| DPV-025 | Cooling Tower | voc | 20.02 | 3.68 |

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Emission Sources - Maximum Allowable Emission Rates

| DPV-028 | Lube Oil Tank | voc | 0.01 | 0.01 |
|-----------|---|-----|-------|------|
| F-DPV-MSS | Maintenance, Start up and Shutdown on VCM process spheres | VCM | 81.93 | 0.33 |

| (1) | mission point identification - either specific equipment designation or emission point number from plot | |
|---|--|--|
| | lan. specific point source name. For fugitive sources, use area name or fugitive source name. OC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1 EDC - ethylene dichloride IO _x - total oxides of nitrogen M - particulate matter, suspended in the atmosphere, including PM ₁₀ M _{2.5} - particulate matter equal to or less than 2.5 microns in diameter M ₁₀ - particulate matter equal to or less than 10 microns in diameter CO - carbon monoxide ICI - hydrogen chloride Cl ₂ - chlorine ICM - vinyl chloride monomer GO ₂ - sulfur dioxide IaOH - sodium hydroxide | |
| (5)(6)(7)(8) | compliance with annual emission limits (tons per year) is based on a 12 month rolling period. Imission rate is an estimate and compliance is demonstrated by meeting the requirements of the pplicable special conditions and permit application representations. Total annual emissions for all four cracking furnaces are limited to the combined allowables listed under total annual allowables for all four cracking furnaces." Total annual emissions for the decoking vessels are limited to the combined allowables listed under "Total annual allowables for the decoking emissions." Total annual allowables for the decoking emissions." Total annual allowables for the decoking emissions. Total annual emissions for the decoking vessels are limited to the combined allowables listed under "Total annual allowables for the decoking vessels are limited to the combined allowables listed under "Total annual emissions for the decoking vessels are limited to the combined allowables listed under "Total annual allowables for the decoking vessels are limited to the combined allowables listed under "Total annual allowables for the decoking vessels are limited to the combined allowables listed under "Total annual allowables for the decoking vessels are limited to the combined allowables listed under "Total annual allowables for the decoking vessels are limited to the combined allowables listed under "Total annual allowables for the decoking vessels are limited to the combined allowables listed under "Total annual allowables for the decoking vessels are limited to the combined allowab | |
| * | Emission rates are based on and the facilities are limited by the following maximum operating schedule: Hrs/day Days/week Weeks/year or8,760 Hrs/year | |
| | Date: _May 1, 2013 | |