

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 146425 and PSDTX1518

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) |
| O_FAFO1 | Pyrolysis Furnace A | CO | 165.16 | — |
| | | NO _x | 25.20 | — |
| | | PM | 4.32 | — |
| | | PM ₁₀ | 4.32 | — |
| | | PM _{2.5} | 4.32 | — |
| | | VOC | 3.12 | — |
| | | SO ₂ | 0.34 | — |
| | | H ₂ SO ₄ | 0.03 | — |
| | | NH ₃ | 2.51 | — |
| O_FBFO | Pyrolysis Furnace B | CO | 165.16 | — |
| | | NO _x | 25.20 | — |
| | | PM | 4.32 | — |
| | | PM ₁₀ | 4.32 | — |
| | | PM _{2.5} | 4.32 | — |
| | | VOC | 3.12 | — |
| | | SO ₂ | 0.34 | — |
| | | H ₂ SO ₄ | 0.03 | — |
| | | NH ₃ | 2.51 | — |

Emission Sources - Maximum Allowable Emission Rates

| | | | | |
|---------|---------------------|--------------------------------|--------|---|
| O_FCF01 | Pyrolysis Furnace C | CO | 165.16 | — |
| | | NO _x | 25.20 | — |
| | | PM | 4.32 | — |
| | | PM ₁₀ | 4.32 | — |
| | | PM _{2.5} | 4.32 | — |
| | | VOC | 3.12 | — |
| | | SO ₂ | 0.34 | — |
| | | H ₂ SO ₄ | 0.03 | — |
| | | NH ₃ | 2.51 | — |
| O_FDF01 | Pyrolysis Furnace D | CO | 165.16 | — |
| | | NO _x | 25.20 | — |
| | | PM | 4.32 | — |
| | | PM ₁₀ | 4.32 | — |
| | | PM _{2.5} | 4.32 | — |
| | | VOC | 3.12 | — |
| | | SO ₂ | 0.34 | — |
| | | H ₂ SO ₄ | 0.03 | — |
| | | NH ₃ | 2.51 | — |
| O_FEF01 | Pyrolysis Furnace E | CO | 165.16 | — |
| | | NO _x | 25.20 | — |
| | | PM | 4.32 | — |
| | | PM ₁₀ | 4.32 | — |
| | | PM _{2.5} | 4.32 | — |
| | | VOC | 3.12 | — |
| | | SO ₂ | 0.34 | — |
| | | H ₂ SO ₄ | 0.03 | — |
| | | NH ₃ | 2.51 | — |
| O_FFF01 | Pyrolysis Furnace F | CO | 165.16 | — |
| | | NO _x | 25.20 | — |

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| | | | | |
|---------|------------------------|--------------------------------|--------|--------|
| | | PM | 4.32 | — |
| | | PM ₁₀ | 4.32 | — |
| | | PM _{2.5} | 4.32 | — |
| | | VOC | 3.12 | — |
| | | SO ₂ | 0.34 | — |
| | | H ₂ SO ₄ | 0.03 | — |
| | | NH ₃ | 2.51 | — |
| O_FGF01 | Pyrolysis Furnace G | CO | 165.16 | — |
| | | NO _x | 25.20 | — |
| | | PM | 4.32 | — |
| | | PM ₁₀ | 4.32 | — |
| | | PM _{2.5} | 4.32 | — |
| | | VOC | 3.12 | — |
| | | SO ₂ | 0.34 | — |
| | | H ₂ SO ₄ | 0.03 | — |
| | | NH ₃ | 2.51 | — |
| O_FHF01 | Pyrolysis Furnace H | CO | 165.16 | — |
| | | NO _x | 25.20 | — |
| | | PM | 4.32 | — |
| | | PM ₁₀ | 4.32 | — |
| | | PM _{2.5} | 4.32 | — |
| | | VOC | 3.12 | — |
| | | SO ₂ | 0.34 | — |
| | | H ₂ SO ₄ | 0.03 | — |
| | | NH ₃ | 2.51 | — |
| O_F_CAP | Pyrolysis Furnaces Cap | CO | 651.06 | 637.87 |
| | | NO _x | 53.70 | 196.22 |
| | | NO _x Shakedown | 53.70 | 184.22 |
| | | PM | — | 92.85 |

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| | | | | |
|-----------|--|--------------------------------|---------|--------|
| | | PM ₁₀ | — | 92.85 |
| | | PM _{2.5} | — | 92.85 |
| | | VOC | — | 67.20 |
| | | SO ₂ | — | 7.33 |
| | | H ₂ SO ₄ | — | 0.67 |
| | | NH ₃ | — | 77.46 |
| UFFLARE01 | Multi-Point Ground Flare (Routine) | CO | 165.05 | — |
| | | NO _x | 107.92 | — |
| | | VOC | 500.00 | — |
| | | SO ₂ | 22.00 | — |
| UFFLARE01 | Multi-Point Ground Flare (Planned MSS, alternate operating mode and Shakedown Period) (8) | CO | 4115.51 | — |
| | | NO _x | 2690.91 | — |
| | | VOC | 5944.74 | — |
| | | SO ₂ | 395.28 | — |
| UFFLARE02 | Shared Elevated Flare (Routine) | CO | 162.03 | — |
| | | NO _x | 31.8 | — |
| | | VOC | 300.00 | — |
| | | SO ₂ | 98.00 | — |
| UFFLARE02 | Shared Elevated Flare (Planned MSS, alternate operating mode and Shakedown Period) (8) | CO | 340.99 | — |
| | | NO _x | 66.92 | — |
| | | VOC | 916.17 | — |
| | | SO ₂ | 98.00 | — |
| CAPUFFLR | Shared Elevated and Ground Flare Cap | CO | — | 295.13 |
| | | NO _x | — | 148.00 |
| | | VOC | — | 320.06 |
| | | SO ₂ | — | 23.60 |
| CAPUFFLR | Shared Elevated and Ground Flare Cap (Shakedown period) | NO _x | — | 192.67 |
| | | CO | — | 374.11 |
| | | VOC | — | 422.30 |

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| | | | | |
|-----------|---|--------------------------------|--------|--------|
| | | SO ₂ | — | 23.60 |
| O_FUG | Olefins Unit Fugitives (5) | VOC | 12.74 | 55.81 |
| | | VOC (9) | 1.11 | 2.40 |
| | | NH ₃ | 2.00 | 8.76 |
| | | CO | 0.04 | 0.16 |
| | | H ₂ SO ₄ | < 0.01 | 0.02 |
| | | H ₂ S | < 0.01 | 0.01 |
| | | NaOH | < 0.01 | < 0.01 |
| O-REGEN | Olefins Regeneration Vent | VOC | 0.18 | 0.06 |
| | | CO | 10.61 | 1.91 |
| GFFLARE01 | MEG Elevated Flare (Routine) | CO | 189.44 | — |
| | | NO _x | 37.18 | — |
| | | VOC | 38.59 | — |
| | | SO ₂ | 22.74 | — |
| | | Total Halide | 0.92 | — |
| GFFLARE01 | MEG Elevated Flare (Planned MSS and Shakedown Period) | CO | 307.90 | — |
| | | NO _x | 60.42 | — |
| | | VOC | 214.93 | — |
| | | SO ₂ | 22.74 | — |
| | | Total Halide | 0.92 | — |
| GFFLARE01 | MEG Elevated Flare | CO | — | 88.60 |
| | | NO _x | — | 17.39 |
| | | VOC | — | 17.37 |
| | | SO ₂ | — | 0.43 |
| | | Total Halide | — | 0.40 |
| GFFLARE01 | MEG Elevated Flare (Shakedown Period) | CO | — | 103.95 |
| | | NO _x | — | 20.40 |
| | | VOC | — | 21.37 |
| | | SO ₂ | — | 0.43 |

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| | | | | |
|----------|---------------------------|--------------------------------|--------|--------|
| | | Total Halide | — | 0.40 |
| GBX02 | MEG Thermal Oxidizer | NO _x | 8.00 | 25.79 |
| | | CO | 11.06 | 35.65 |
| | | VOC | 21.10 | 41.43 |
| | | SO ₂ | 1.75 | 0.38 |
| | | PM | 1.00 | 3.23 |
| | | PM ₁₀ | 1.00 | 3.23 |
| | | PM _{2.5} | 1.00 | 3.23 |
| | | Total Halide | 0.92 | 4.04 |
| | | NH ₃ | 0.04 | < 0.01 |
| GDVAC | Glycol Vacuum Vent | VOC | 3.43 | 0.34 |
| GAD09A-D | Glycol Moderator CAS | VOC | < 0.01 | < 0.01 |
| G_FUG | Glycol Unit Fugitives (5) | VOC | 2.22 | 9.73 |
| | | VOC (9) | 0.02 | 0.09 |
| | | CO | 0.01 | 0.03 |
| UCCT01 | Utilities Cooling Tower | VOC | 115.29 | 91.13 |
| | | PM | 8.07 | 31.56 |
| | | PM ₁₀ | 5.65 | 22.09 |
| | | PM _{2.5} | 3.39 | 13.26 |
| | | NaOH | 0.03 | 0.01 |
| USSG01A | Utilities Boiler A | NO _x | 35.25 | — |
| | | CO | 186.00 | — |
| | | PM | 7.82 | — |
| | | PM ₁₀ | 7.82 | — |
| | | PM _{2.5} | 7.82 | — |
| | | VOC | 5.66 | — |
| | | SO ₂ | 5.22 | — |
| | | H ₂ SO ₄ | 0.07 | — |
| | | NH ₃ | 4.02 | — |

Emission Sources - Maximum Allowable Emission Rates

| | | | | |
|-----------|---------------------------|--------------------------------|--------|--------|
| USSG01B | Utilities Boiler B | NO _x | 35.25 | — |
| | | CO | 186.00 | — |
| | | PM | 7.82 | — |
| | | PM ₁₀ | 7.82 | — |
| | | PM _{2.5} | 7.82 | — |
| | | VOC | 5.66 | — |
| | | SO ₂ | 5.22 | — |
| | | H ₂ SO ₄ | 0.07 | — |
| | | NH ₃ | 4.02 | — |
| USSG01C | Utilities Boiler C | NO _x | 35.25 | — |
| | | CO | 186.00 | — |
| | | PM | 7.82 | — |
| | | PM ₁₀ | 7.82 | — |
| | | PM _{2.5} | 7.82 | — |
| | | VOC | 5.66 | — |
| | | SO ₂ | 5.22 | — |
| | | H ₂ SO ₄ | 0.07 | — |
| | | NH ₃ | 4.02 | — |
| USSG01CAP | Utilities Boiler Cap | NO _x | 39.66 | 69.02 |
| | | CO | 198.85 | 239.40 |
| | | PM | — | 47.57 |
| | | PM ₁₀ | — | 47.57 |
| | | PM _{2.5} | — | 47.57 |
| | | VOC | — | 34.43 |
| | | SO ₂ | 8.03 | 5.18 |
| | | H ₂ SO ₄ | — | 0.48 |
| | | NH ₃ | — | 29.07 |
| UFF01A | Shared Thermal Oxidizer A | NO _x | — | — |
| | | CO | — | — |

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| | | | | |
|----------|-----------------------------------|--------------------------------|--------|--------|
| | | PM | — | — |
| | | PM ₁₀ | — | — |
| | | PM _{2.5} | — | — |
| | | VOC | — | — |
| | | SO ₂ | — | — |
| UFF01B | Shared Thermal Oxidizer B | NO _x | — | — |
| | | CO | — | — |
| | | PM | — | — |
| | | PM ₁₀ | — | — |
| | | PM _{2.5} | — | — |
| | | VOC | — | — |
| | | SO ₂ | — | — |
| UFF01 | Shared Thermal Oxidizer Cap | NO _x | 18.80 | 29.11 |
| | | CO | 25.81 | 39.95 |
| | | PM | 2.34 | 3.61 |
| | | PM ₁₀ | 2.34 | 3.61 |
| | | PM _{2.5} | 2.34 | 3.61 |
| | | VOC | 114.96 | 63.33 |
| | | SO ₂ | 1.13 | 1.49 |
| U_FUG | Utilities Fugitives (5) | VOC | 0.95 | 4.18 |
| | | VOC (9) | 0.12 | 0.26 |
| | | NH ₃ | 0.22 | 0.96 |
| | | CO | < 0.01 | 0.02 |
| | | H ₂ SO ₄ | < 0.01 | < 0.01 |
| EMGGEN01 | Olefins Emergency Generator No. 1 | NO _x | 0.38 | 0.06 |
| | | CO | 4.48 | 0.67 |
| | | PM | 0.02 | <0.01 |
| | | PM ₁₀ | 0.02 | <0.01 |
| | | PM _{2.5} | —0.02 | <0.01 |

Emission Sources - Maximum Allowable Emission Rates

| | | | | |
|----------|-------------------------------------|-------------------|------|-------|
| | | VOC | 0.02 | <0.01 |
| | | SO ₂ | 0.01 | <0.01 |
| EMGGEN02 | Utilities Emergency Generator No. 2 | NO _x | 0.38 | 0.06 |
| | | CO | 4.48 | 0.67 |
| | | PM | 0.02 | <0.01 |
| | | PM ₁₀ | 0.02 | <0.01 |
| | | PM _{2.5} | 0.02 | <0.01 |
| | | VOC | 0.02 | <0.01 |
| | | SO ₂ | 0.01 | <0.01 |
| | | | | |
| ADMINGEN | Admin Emergency Generator No. 1 | NO _x | 1.31 | 0.20 |
| | | CO | 3.42 | 0.51 |
| | | PM | 0.12 | 0.02 |
| | | PM ₁₀ | 0.12 | 0.02 |
| | | PM _{2.5} | 0.12 | 0.02 |
| | | VOC | 0.07 | 0.01 |
| | | SO ₂ | 0.02 | <0.01 |
| | | | | |
| FWP1 | Firewater Pump No. 1 | NO _x | 5.37 | 0.54 |
| | | CO | 2.21 | 0.22 |
| | | PM | 0.31 | 0.03 |
| | | PM ₁₀ | 0.31 | 0.03 |
| | | PM _{2.5} | 0.31 | 0.03 |
| | | VOC | 0.08 | 0.01 |
| | | SO ₂ | 0.01 | <0.01 |
| | | | | |

Emission Sources - Maximum Allowable Emission Rates

| | | | | |
|------------|--|-------------------|--------|--------|
| FWP2 | Firewater Pump No. 2 | NO _x | 5.37 | 0.54 |
| | | CO | 2.21 | 0.22 |
| | | PM | 0.31 | 0.03 |
| | | PM ₁₀ | 0.31 | 0.03 |
| | | PM _{2.5} | 0.31 | 0.03 |
| | | VOC | 0.08 | 0.01 |
| | | SO ₂ | 0.01 | <0.01 |
| GLYGEN01 | Glycol Emergency Generator No. 1- | NO _x | 0.38 | 0.06 |
| | | CO | 4.48 | 0.67 |
| | | PM | 0.02 | <0.01 |
| | | PM ₁₀ | 0.02 | <0.01 |
| | | PM _{2.5} | 0.02 | <0.01 |
| | | VOC | 0.02 | <0.01 |
| | | SO ₂ | 0.01 | <0.01 |
| LIQLOAD | Truck/Railcar/Drum Liquid Loading (Uncaptured Emissions) | VOC | 4.81 | 0.64 |
| | | NaOH | 1.31 | 0.06 |
| WWTP | Wastewater Plant (Uncontrolled emissions) | VOC | 1.05 | 4.58 |
| | | NH ₃ | < 0.01 | < 0.01 |
| | | Acetone | < 0.01 | < 0.01 |
| | | H ₂ S | < 0.01 | 0.01 |
| ZWSRCO1A/B | Equalization Tanks Catalytic Oxidizer | VOC | 0.04 | 0.18 |
| | | NH ₃ | < 0.01 | < 0.01 |
| | | Acetone | < 0.01 | < 0.01 |
| | | H ₂ S | < 0.01 | < 0.01 |
| | | NO _x | 0.06 | 0.26 |
| | | CO | 0.02 | 0.10 |
| | | PM | 0.01 | 0.03 |
| | | PM ₁₀ | 0.01 | 0.03 |
| | | PM _{2.5} | 0.01 | 0.03 |

Emission Sources - Maximum Allowable Emission Rates

| | | | | |
|---------|--|-------------------|--------|------|
| | | SO ₂ | 0.01 | 0.06 |
| | | HCl | < 0.01 | 0.01 |
| MSSATM | Maintenance, Startup and Shutdown (Uncontrolled emissions) | VOC | 445.47 | 4.44 |
| | | PM | 12.98 | 0.08 |
| | | PM ₁₀ | 12.98 | 0.08 |
| | | PM _{2.5} | 12.98 | 0.08 |
| MSSILE | Inherently Low Emitting Activities | VOC | 11.49 | 1.05 |
| | | PM | 0.02 | 0.01 |
| | | PM ₁₀ | 0.02 | 0.01 |
| | | PM _{2.5} | 0.02 | 0.01 |
| MSSVAC | MSS Vacuum Trucks | VOC | 72.16 | 1.82 |
| MSSFRAC | MSS Frac Tanks | VOC | 0.03 | 0.03 |
| TMPCTRL | MSS Temporary Control Devices identified in Special Condition 57 | NO _x | 3.06 | 0.20 |
| | | CO | 8.80 | 0.66 |
| | | PM | 0.30 | 0.02 |
| | | PM ₁₀ | 0.30 | 0.02 |
| | | PM _{2.5} | 0.30 | 0.02 |
| | | VOC | 24.26 | 0.68 |
| | | SO ₂ | 0.56 | 0.04 |
| MSSTANK | Tank Maintenance Activities (Uncontrolled) | VOC | 20.11 | 3.53 |
| REFUSTN | Vehicle Refueling Station | VOC | 2.03 | 0.17 |
| ELDC01, | EPE Granules Feed Bin Dust Collector | VOC | — | — |
| | | PM | — | — |
| | | PM ₁₀ | — | — |
| | | PM _{2.5} | — | — |
| EDFAN01 | EPE Granules Hopper Vent Dust Collector | VOC | — | — |
| | | PM | — | — |
| | | PM ₁₀ | — | — |
| | | PM _{2.5} | — | — |

Emission Sources - Maximum Allowable Emission Rates

| | | | | |
|---|---|-------------------|-------|-------|
| EDDC04 | EPE Seed Bed Bin Dust Collector Vent | VOC | — | — |
| | | PM | — | — |
| | | PM ₁₀ | — | — |
| | | PM _{2.5} | — | — |
| ELDC03, | EPE Extruder Feed Conveyor Dust Collector | VOC | — | — |
| | | PM | — | — |
| | | PM ₁₀ | — | — |
| | | PM _{2.5} | — | — |
| EPFAN01 | EPE Pellet Silos Dust Collector | VOC | — | — |
| | | PM | — | — |
| | | PM ₁₀ | — | — |
| | | PM _{2.5} | — | — |
| EMDC01, EMFAN01, EMFAN02 | EPE Pellet Surge Bin Dust Collector and Pellet Dryer Vents | VOC | — | — |
| | | PM | — | — |
| | | PM ₁₀ | — | — |
| | | PM _{2.5} | — | — |
| ELFAN04, ELDC06, ELB01, ELB03, ELB05, ELFAN01 | EPE Weigh Feeder Hopper Extraction Vent, Zinc Oxide Drying Hopper Dust Collector, Additive Vacuum Blower Vents and Solids Additives Vent Dust Collector | VOC | — | — |
| | | PM | — | — |
| | | PM ₁₀ | — | — |
| | | PM _{2.5} | — | — |
| EBFIL01, ECFIL04, ECFIL05, ECFIL06 | EPE Catalyst Cylinder Vent Filter and Catalyst Hold Tank Filter Vents | VOC | — | — |
| | | PM | — | — |
| | | PM ₁₀ | — | — |
| | | PM _{2.5} | — | — |
| E_VENTCAP | EPE Vents Cap (6) | VOC | 35.68 | 37.08 |
| | | PM | 1.08 | 2.74 |
| | | PM ₁₀ | 1.08 | 2.74 |
| | | PM _{2.5} | 1.08 | 2.74 |
| CLDC01 | CPE Granules Feed Bin Dust Collector | VOC | — | — |

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| | | | | |
|--|---|-------------------|---|---|
| | | PM | — | — |
| | | PM ₁₀ | — | — |
| | | PM _{2.5} | — | — |
| CDFAN01 | CPE Granules Hopper Vent Dust Collector | VOC | — | — |
| | | PM | — | — |
| | | PM ₁₀ | — | — |
| | | PM _{2.5} | — | — |
| CDDC04 | CPE Seed Bed Bin Dust Collector Vent | VOC | — | — |
| | | PM | — | — |
| | | PM ₁₀ | — | — |
| | | PM _{2.5} | — | — |
| CLDC03 | CPE Extruder Feed Conveyor Dust Collector | VOC | — | — |
| | | PM | — | — |
| | | PM ₁₀ | — | — |
| | | PM _{2.5} | — | — |
| CPFAN01 | CPE Pellet Silos Dust Collector | VOC | — | — |
| | | PM | — | — |
| | | PM ₁₀ | — | — |
| | | PM _{2.5} | — | — |
| CMD01, CMFAN01, CMFAN02 | CPE Pellet Surge Bin Dust Collector and Pellet Dryer Vents | VOC | — | — |
| | | PM | — | — |
| | | PM ₁₀ | — | — |
| | | PM _{2.5} | — | — |
| CLFAN04, CLDC06, ELB02, ELB04, CLB03, | CPE Weigh Feeder Hopper Extraction Vent, Zinc Oxide Drying Hopper Dust Collector and Additive Vacuum Blower Vents | VOC | — | — |
| | | PM | — | — |
| | | PM ₁₀ | — | — |
| | | PM _{2.5} | — | — |

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| | | | | |
|----------------------------------|---|-------------------|--------|--------|
| CBFIL01CCFIL04, CCFIL05, CCFIL06 | CPE Catalyst Cylinder Vent Filter and Catalyst Hold Tank Filter Vents | VOC | — | — |
| | | PM | — | — |
| | | PM ₁₀ | — | — |
| | | PM _{2.5} | — | — |
| C_VENTCAP | CPE Vents Cap (7) | VOC | 35.68 | 37.08 |
| | | PM | 0.84 | 2.32 |
| | | PM ₁₀ | 0.84 | 2.32 |
| | | PM _{2.5} | 0.84 | 2.32 |
| PE-REGEN | PE Regeneration Vent | VOC | < 0.01 | < 0.01 |
| E_FUG, C_FUG | EPE and CPE Fugitives (5) | VOC | 4.38 | 19.17 |
| | | VOC (9) | 0.60 | 1.30 |
| | | CO | 0.07 | 0.32 |
| ELD01 | EPE Primary Run Tank | VOC | 0.36 | 0.02 |
| ELD02 | EPE Secondary Run Tank | VOC | 0.36 | 0.03 |
| CCD81 | CPE Seal Pot | VOC | 0.04 | <0.01 |
| GETK02A | MEG Rundown Tank 2A | VOC | 0.65 | 0.22 |
| GETK02B | MEG Rundown Tank 2B | VOC | 0.65 | 0.22 |
| GDTK01 | Glycol Catalyst Storage Tank | VOC | 0.23 | 0.01 |
| GDD08 | Glycol Catalyst Charge Vessel | VOC | 0.03 | <0.01 |
| GDD09 | Glycol Catalyst Drips Vessel | VOC | 0.02 | < 0.01 |
| GETK01 | Glycol Slops Tank | VOC | 0.58 | 0.03 |
| SCTOTE-GLY | Spent Glycol Catalyst Tote | VOC | 0.04 | < 0.01 |
| ZTTK02 | Heavy Glycol Storage Tank | VOC | 0.83 | 0.03 |
| ZTTK03 | Glycol Bleed Storage Tank | VOC | 0.83 | 0.03 |
| GED04 | Glycol Drain Collection Vessel | VOC | 0.03 | <0.01 |
| ZTTK05 | Hexene Storage Tank | VOC | 0.43 | 1.20 |
| ZTTK06AMNT | Heavy Fuel Oil Storage Tank | VOC | 0.5 | — |
| ZTTK06BMNT | Heavy Fuel Oil Storage Tank | VOC | 0.5 | — |
| CAPTHFO | Total Emissions from EPNs | VOC | — | 0.03 |

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| | | | | |
|------------|---|--------------------------------|-------|-------|
| | ZTTK06AMNT, ZTTK06BMNT | | | |
| ZTTK04 | Slop Oil Tank 1 | VOC | 0.72 | 2.48 |
| FZTK01 | Olefins Decoke Condensate Sump | VOC | 0.64 | 0.02 |
| GFTK01 | Glycol Flare Seal Sump | VOC | 0.53 | <0.01 |
| ZFTK02B | Firewater Pump Diesel Tank 2B | VOC | 0.04 | <0.01 |
| ZMTK02 | Infrastructure Diesel Tank | VOC | 0.38 | <0.01 |
| UKDGEN01TK | Olefins Emergency Generator No. 1 Diesel Tank | VOC | 0.05 | <0.01 |
| UKDGEN02TK | Utilities Emergency Generator No. 2 Diesel Tank | VOC | 0.05 | <0.01 |
| ADMINGENTK | Admin Emergency Generator No 1 Diesel Tank | VOC | 0.12 | <0.01 |
| ZFTK02C | Firewater Pump Diesel Tank 2C | VOC | 0.04 | <0.01 |
| GUDGEN01TK | Glycol Generator Diesel Tank | VOC | 0.05 | <0.01 |
| ZMTK01 | Infrastructure Gasoline Tank | VOC | 11.61 | 1.71 |
| TOTES | Site Totes | NaOCl | 0.01 | <0.01 |
| U_LAB | Laboratory | VOC | 2.65 | 0.48 |
| UTTK04 | Sulfuric Acid Tank | H ₂ SO ₄ | <0.01 | <0.01 |
| UCTK01 | Sodium Hypochlorite Tank | NaOCl | 2.23 | 0.08 |
| UTD05 | Aqueous Ammonia Vent Drum | NH ₃ | 1.94 | 0.15 |
| ZTTK01 | Caustic Storage Tank | NaOH | 0.33 | 0.03 |

- (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
- NO_x - total oxides of nitrogen
- SO₂ - sulfur dioxide
- PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
- PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
- PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
- CO - carbon monoxide
- NaOH - sodium hydroxide
- NH₃ - ammonia
- HCl - hydrogen chloride
- HI - hydrogen iodide
- H₂SO₄ - sulfuric acid mist
- H₂S - hydrogen sulfide

Emission Sources - Maximum Allowable Emission Rates

Total Halide - combined emissions of hydrogen chloride and hydrogen iodide.
NaOCl - sodium hypochlorite

- (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) Includes total emissions for the following sources of emissions (designated by EPN): ELDC01, EDFAN01, EDDC04, ELDC03, EPFAN01, EMDC01, EMFAN01, EMFAN02, ELFAN04, ELDC06, ELB01, ELB03, ELB05, ELFAN01, EBFIL01, ECFIL04, ECFIL05, ECFIL06
- (7) Includes total emissions for the following sources of emissions (designated by EPN): CLDC01, CDFAN01, CDDC04, CLDC03, CPFAN01, CMDC01, CMFAN01, CMFAN02, CLFAN04, CLDC06, ELB02, ELB04, CLB03, CBFIL01, CCFIL04, CCFIL05, CCFIL06
- (8) Alternate operating mode as defined in Special Condition 48.
- (9) Additional emission limits for connectors during the initial unit shakedown period use of alternate fugitive monitoring per Special Condition 70.

Date: May 21, 2021