Emission Sources - Maximum Allowable Emission Rates

Permit Number 138707 and PSDTX1524

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) |
| MAINTENANCE EMISSIONS CAPS: | | VOC | 1,062.63 | 19.59 |
| | | $NO_x$ | 1.85 | 0.13 |
| | | CO | 3.70 | 0.27 |
| | | $SO_2$ | 0.01 | < 0.01 |
| | | PM | 0.10 | 0.01 |
| | | $PM_{10}$ | 0.10 | 0.01 |
| | | $PM_{2.5}$ | 0.10 | 0.01 |
| F-ASPHALT, F-BIODIESEL, F-ETNKFRM, F-NTNKFRM, F-WTNKFRM | Cap for Tank Farm Fugitives (5) | VOC (6) | 10.62 | 46.52 |
| | | $H_2S$ | < 0.01 | < 0.01 |
| | | Benzene | 0.05 | 0.23 |
| S-001 | Tank 120M1 (7) | VOC (6) | 8.28 | 15.57 |
| | | Benzene | 0.26 | - |
| S-002 | Tank 133 | VOC (6) | 1.91 | - |
| | | Benzene | 0.04 | - |
| S-003 | Tank 134 | VOC (6) | 2.15 | - |
| | | Benzene | 0.04 | - |
| S-004 | Tank 139 | VOC (6) | 2.02 | - |
| | | Benzene | 0.04 | - |
| S-005 | Tank 150M1 (7) | VOC (6) | 5.19 | 11.21 |
| | | Benzene | 0.04 | - |
| S-006 | Tank 157 | VOC (6) | 3.13 | - |
| | | Benzene | 0.06 | - |
| S-007 | Tank 168 | VOC (6) | 0.44 | - |
| | | Benzene | < 0.01 | - |
| S-008 | Tank 1001 | VOC (6) | 7.71 | - |
| | | Benzene | 0.15 | - |

Emission Sources - Maximum Allowable Emission Rates

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates | |
|---|---|---|---|---|
| | | | lbs/hour | TPY (4) |
| S-009 | Tank 1003 | VOC (6) | 1.20 | - |
| | | Benzene | 0.05 | - |
| S-010 | Tank 1501 | VOC (6) | 0.14 | - |
| | | Benzene | < 0.01 | - |
| S-011 | Tank 1502 | VOC (6) | 1.71 | - |
| | | Benzene | 0.03 | - |
| S-012 | Tank 3001 | VOC (6) | 2.03 | - |
| | | Benzene | 0.04 | - |
| S-013 | Tank 3002 | VOC (6) | 2.06 | - |
| | | Benzene | 0.04 | - |
| S-014 | Tank 6701 | VOC (6) | 2.55 | - |
| | | Benzene | 0.05 | - |
| S-015 | Tank 6702 | VOC (6) | 2.51 | - |
| | | Benzene | 0.05 | - |
| S-016 | Tank 31 | VOC (6) | 1.17 | - |
| | | Benzene | < 0.01 | - |
| S-017 | Tank 138 | VOC | 0.53 | - |
| S-018 | Tank 161 | VOC (6) | 0.71 | - |
| | | Benzene | 0.01 | - |
| S-019 | Tank 163 | VOC (6) | 2.71 | - |
| | | Benzene | 0.04 | - |
| S-020 | Tank 167 | VOC (6) | 0.44 | - |
| | | Benzene | < 0.01 | - |
| S-021 | Tank 101 | VOC (6) | 1.42 | - |
| | | Benzene | 0.06 | - |
| S-022 | Tank 120M2 | VOC (6) | 6.37 | - |
| | | Benzene | 0.01 | - |
| S-023 | Tank 120M3 | VOC (6) | 1.75 | - |
| | | Benzene | < 0.01 | - |
| S-024 | Tank 126 | VOC | 3.27 | - |
| S-027 | Tank 166 | VOC (6) | 3.39 | - |
| | | Benzene | < 0.01 | - |
| S-028 | Tank 2 | VOC | 43.19 | - |

Emission Sources - Maximum Allowable Emission Rates

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates | |
|---|---|---|---|---|
| | | | lbs/hour | TPY (4) |
| S-031 | Tank 100M2 | VOC (6) | 0.60 | - |
| | | Benzene | < 0.01 | - |
| S-032 | Tank 140 | VOC (6) | 0.63 | - |
| | | Benzene | 0.01 | - |
| S-033 | Tank 145 | VOC | 0.39 | - |
| S-037 | Tank 21 | VOC (6) | 16.64 | - |
| | | Benzene | 0.01 | - |
| S-038 | Tank 22 | VOC (6) | 16.64 | - |
| | | Benzene | 0.01 | - |
| S-039 | Tank 130 | VOC (6) | 11.05 | - |
| | | Benzene | < 0.01 | - |
| S-040 | Tank 148 | VOC (6) | 4.13 | - |
| | | Benzene | < 0.01 | - |
| S-043 | Tank 164 | VOC (6) | 0.24 | - |
| | | Benzene | < 0.01 | - |
| S-045 | Tank 127 | VOC | 0.76 | - |
| S-046 | Tank 142 | VOC | 15.64 | - |
| S-052 | Tank 128 | VOC | 14.32 | - |
| S-055 | Tank 1 | VOC (6) | 2.66 | - |
| | | Benzene | < 0.01 | - |
| S-060 | Tank 24 | VOC | 12.87 | - |
| S-065 | Tank 29 | VOC | 15.45 | - |
| S-066 | Tank 30 | VOC | 15.45 | - |
| S-067 | Tank 32 | VOC | 15.45 | - |
| S-068 | Tank 33 | VOC | 7.21 | - |
| S-069 | Tank 34 | VOC | < 0.01 | - |
| S-070 | Tank 121 | VOC | 12.40 | - |
| S-072 | Tank 551 | VOC | 0.07 | - |
| S-074 | Tank 5501 | VOC | 5.86 | - |
| S-075 | Tank 5502 | VOC | 27.69 | - |
| S-076 | Tank 5503 | VOC | 2.44 | - |
| S-090 | Tank 4 | VOC (6) | 9.24 | - |
| | | Benzene | 0.29 | - |

Emission Sources - Maximum Allowable Emission Rates

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates | |
|---|---|---|---|---|
| | | | lbs/hour | TPY (4) |
| S-095 | Tank 100M1 | VOC (6) | 2.58 | - |
| | | Benzene | < 0.01 | - |
| S-137 | Tank 20M5 | VOC | 17.98 | - |
| S-138 | Tank 20M6 | VOC | 17.98 | - |
| S-139 | Tank 125 | VOC | 6.07 | - |
| S-143 | Tank 5505 | VOC (6) | 2.39 | - |
| | | Benzene | 0.05 | - |
| S-144 | Tank 5504 | VOC (6) | 0.13 | - |
| | | Benzene | < 0.01 | - |
| S-150 | Tank 300M1 | VOC (6) | 13.03 | - |
| | | Benzene | < 0.01 | - |
| S-176 | Tank 200M1 | VOC (6) | 5.18 | - |
| | | Benzene | 0.01 | - |
| S-177 | Tank 300M2 | VOC | 0.03 | - |
| S-183 | Tank 120M4 | VOC (6) | 6.82 | - |
| | | Benzene | 0.01 | - |
| S-186 | Tank 80M1 | VOC (6) | 8.07 | - |
| | | Benzene | 0.02 | - |
| S-187 | Tank 150M2 | VOC (6) | 0.80 | - |
| | | Benzene | 0.01 | - |
| S-192 | Tank 20M7 | VOC | 11.59 | - |
| S-194 | Tank 300M3 | VOC | 11.97 | - |
| S-200 | Tank 5506 | VOC (6) | 4.08 | - |
| | | Benzene | 0.08 | - |
| S-202 | Tank 100M3 | VOC (6) | 0.63 | - |
| | | Benzene | 0.01 | - |
| S-203 | Tank 150M3 | VOC (6) | 0.21 | - |
| | | Benzene | < 0.01 | - |
| S-204 | Tank 150M4 | VOC (6) | 0.43 | - |
| | | Benzene | < 0.01 | - |
| S-218 | Tank 60M1 | VOC (6) | 2.30 | - |
| | | Benzene | 0.02 | - |
| S-229 | Benzene Concentrate Tank | VOC (6) | 3.01 | - |
| | | Benzene | 2.11 | - |

Emission Sources - Maximum Allowable Emission Rates

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates | |
|---|---|---|---|---|
| | | | lbs/hour | TPY (4) |
| Cap for Storage Tanks | | VOC (6) | 355.59 | 296.21 |
| | | Benzene | 2.28 | 9.18 |
| 1220TKTXX1 | Truck Rack B100 Blend Tank | VOC | 2.89 | 0.45 |
| 1220TKTXX2 | Truck Rack B100 Certification Tank | VOC | 2.89 | 0.45 |
| 1220TKTXX3 | Truck Rack B100 Certification Tank | VOC | 4.88 | 3.76 |
| 1150TKTXX4 | Pipeline B100 Blend Tank | VOC | 4.88 | 1.28 |
| 1150TKTXX5 | Pipeline B100 Blend Tank | VOC | 4.88 | 1.28 |
| MSS_ABRBLS | Abrasive Blasting Operation | PM | 0.54 | 0.18 |
| | | $PM_{10}$ | 0.07 | 0.02 |
| | | $PM_{2.5}$ | < 0.01 | < 0.01 |
| F-85 | Paint / Adhesive / Solvent Emissions | VOC | 1.70 | 6.18 |
| H-30 | Asphalt Tank Heaters (5501, 5502, and 5503) | $NO_X$ | 2.54 | 11.12 |
| | | CO | 0.70 | 3.07 |
| | | VOC | 0.05 | 0.23 |
| | | $SO_2$ | 0.01 | 0.02 |
| | | PM | 0.07 | 0.31 |
| | | $PM_{10}$ | 0.07 | 0.31 |
| | | $PM_{2.5}$ | 0.07 | 0.31 |
| H-32 | Tank Heaters (20M5 and 20M6) | $NO_X$ | 0.80 | 3.50 |
| | | CO | 0.48 | 2.12 |
| | | VOC | 0.04 | 0.16 |
| | | $SO_2$ | < 0.01 | 0.02 |
| | | PM | 0.05 | 0.22 |
| | | $PM_{10}$ | 0.05 | 0.22 |
| | | $PM_{2.5}$ | 0.05 | 0.22 |

Emission Sources - Maximum Allowable Emission Rates

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates | |
|---|---|---|---|---|
| | | | lbs/hour | TPY (4) |
| H-32C | Asphalt Tank Heater 20M7 | $NO_X$ | 0.33 | 1.43 |
| | | CO | 0.24 | 1.06 |
| | | VOC | 0.02 | 0.08 |
| | | $SO_2$ | < 0.01 | 0.01 |
| | | PM | 0.02 | 0.11 |
| | | $PM_{10}$ | 0.02 | 0.11 |
| | | $PM_{2.5}$ | 0.02 | 0.11 |
| H-33 | Tank Heaters 34 and 121 | $NO_X$ | 1.99 | 8.74 |
| | | CO | 1.21 | 5.29 |
| | | VOC | 0.09 | 0.39 |
| | | $SO_2$ | 0.01 | 0.04 |
| | | PM | 0.12 | 0.54 |
| | | $PM_{10}$ | 0.12 | 0.54 |
| | | $PM_{2.5}$ | 0.12 | 0.54 |
| H-35 | Tank 300M2 Heaters | $NO_X$ | 1.60 | 6.99 |
| | | CO | 0.97 | 4.24 |
| | | VOC | 0.07 | 0.31 |
| | | $SO_2$ | 0.01 | 0.03 |
| | | PM | 0.10 | 0.43 |
| | | $PM_{10}$ | 0.10 | 0.43 |
| | | $PM_{2.5}$ | 0.10 | 0.43 |
| H-51 | Asphalt Tank Heater 300M3 | $NO_X$ | 0.53 | 2.33 |
| | | CO | 0.97 | 4.23 |
| | | VOC | 0.07 | 0.31 |
| | | $SO_2$ | 0.01 | 0.03 |
| | | PM | 0.10 | 0.43 |
| | | $PM_{10}$ | 0.10 | 0.43 |
| | | $PM_{2.5}$ | 0.10 | 0.43 |

Emission Sources - Maximum Allowable Emission Rates

(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
PM - total particulate matter, suspended in the atmosphere, including $PM_{10}$ and $PM_{2.5}$, as represented
$PM_{10}$ - 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
$H_2S$ - hydrogen sulfide
$SO_2$ - sulfur dioxide
(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) VOC rate includes Benzene emissions.
(7) Individual annual limits related to TCEQ Project 269420 and the Federal New Source Review evaluation.

Date: January 28, 2019