Emission Sources - Maximum Allowable Emission Rates

Permit Number 161550

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 (5) | |
|---|---|---|---|---|
| | | | lbs/hour | TPY (4) |
| RTO 1 and 2 | Regenerative Thermal Oxidizer 1 and 2 (1 MBTU/hr each) – Line 1 Curing Oven 1, 2, 3 (FINs C1-1, C1-3, C1-5), Printer Line 1 (PL1), Printer 1 Embosser (E1), Printer Line 2 (PL2), Printer 2 Embosser (E2) | VOC (6) | 6.12 | 13.83 |
| | | PM (6) | 0.01 | 0.03 |
| | | $PM_{10}$ (6) | 0.01 | 0.03 |
| | | $PM_{2.5}$ (6) | 0.01 | 0.03 |
| RTO 1 | Regenerative Thermal Oxidizer 1 (POC) | VOC | 0.03 | 0.12 |
| | | $NO_x$ | 0.53 | 2.10 |
| | | CO | 2.40 | 9.45 |
| | | $SO_2$ | 0.01 | 0.01 |
| | | PM | 0.04 | 0.16 |
| | | $PM_{10}$ | 0.04 | 0.16 |
| | | $PM_{2.5}$ | 0.04 | 0.16 |
| RTO 2 | Regenerative Thermal Oxidizer 2 (POC) | VOC | 0.03 | 0.12 |
| | | $NO_x$ | 0.53 | 2.10 |
| | | CO | 2.40 | 9.45 |
| | | $SO_2$ | 0.01 | 0.01 |
| | | PM | 0.04 | 0.16 |
| | | $PM_{10}$ | 0.04 | 0.16 |
| | | $PM_{2.5}$ | 0.04 | 0.16 |
| RTO 3 | Regenerative Thermal Oxidizer 3 – Line 2 Curing Oven 1, 2, 3 (FINs C2-1, C2-3, C2-5), Printer Line 3 (PL3), Printer 3 Embosser (E3), Printer Line 4 (PL4), Printer 4 Embosser (E4) | VOC (6) | 6.12 | 13.83 |
| | | PM (6) | 0.01 | 0.03 |
| | | $PM_{10}$ (6) | 0.01 | 0.03 |
| | | $PM_{2.5}$ (6) | 0.01 | 0.03 |
| RTO 3 | Regenerative Thermal | VOC | 0.06 | 0.23 |

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| | | | | |
|---|---|---|---|---|
| | Oxidizer 3 (POC) | $NO_x$ | 1.06 | 4.20 |
| | | CO | 4.79 | 18.89 |
| | | $SO_2$ | 0.01 | 0.03 |
| | | PM | 0.08 | 0.32 |
| | | $PM_{10}$ | 0.08 | 0.32 |
| | | $PM_{2.5}$ | 0.08 | 0.32 |
| DC1 | Dust Collector 1 | PM | 0.01 | 0.01 |
| | | $PM_{10}$ | 0.01 | 0.01 |
| | | $PM_{2.5}$ | 0.01 | 0.01 |
| DC2 | Dust Collector 2 | PM | 0.01 | 0.01 |
| | | $PM_{10}$ | 0.01 | 0.01 |
| | | $PM_{2.5}$ | 0.01 | 0.01 |
| C1-2, C1-4, C1-6 | Line 1 - Coating Cooling Zones 1, 2, and 3 | VOC | 1.41 | 4.95 |
| | | PM | 0.20 | 0.69 |
| | | $PM_{10}$ | 0.20 | 0.69 |
| | | $PM_{2.5}$ | 0.20 | 0.69 |
| C2-2, C2-4, C2-6 | Line 2 – Coating Cooling Zones 1, 2, and 3 | VOC | 1.41 | 4.95 |
| | | PM | 0.20 | 0.69 |
| | | $PM_{10}$ | 0.20 | 0.69 |
| | | $PM_{2.5}$ | 0.20 | 0.69 |

| | | | | |
|---|---|---|---|---|
| B1–B4 | Thermal Boiler 1, 2, 3, and 4 Cap | VOC | 0.09 | 0.30 |
| | | $NO_x$ | 1.57 | 5.50 |
| | | CO | 0.59 | 2.07 |
| | | $SO_2$ | 0.01 | 0.03 |
| | | PM | 0.12 | 0.42 |
| | | $PM_{10}$ | 0.12 | 0.42 |
| Project Number: 316512 | | $PM_{2.5}$ | 0.12 | 0.42 |
| MAU1, MAU2, MAU3, | Combined emissions | VOC | 0.05 | 0.10 |

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| | | | | |
|---|---|---|---|---|
| | | CO | 0.33 | 0.67 |
| | | $SO_2$ | 0.01 | 0.01 |
| | | PM | 0.07 | 0.14 |
| | | $PM_{10}$ | 0.07 | 0.14 |
| | | $PM_{2.5}$ | 0.07 | 0.14 |
| TK1 | Storage Tank 1 | VOC | 0.46 | 0.04 |
| TK2 | Storage Tank 2 | VOC | 0.46 | 0.04 |
| TK3 | Storage Tank 3 | VOC | 0.46 | 0.04 |
| TK4 | Storage Tank 4 | VOC | 0.46 | 0.04 |
| TK5 | Storage Tank 5 | VOC | 0.46 | 0.04 |
| TK6 | Storage Tank 6 | VOC | 0.46 | 0.04 |
| TK7 | Storage Tank 7 | VOC | 0.46 | 0.04 |

(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
$SO_2$ - sulfur dioxide
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
HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
POC - Products of Combustion
(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
(5) The allowable emission rates include planned maintenance, startup, and shutdown activities.
(6) Process Emissions

Date: March 5, 2021