

Emission Sources - Maximum Allowable Emission Rates

Permit Number 119089

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) |
| B93H6510 | Furnace F-6510 Routine Operations | CO | 6.00 | — |
| | | NO _x | 2.49 | — |
| | | PM | 0.54 | — |
| | | PM ₁₀ | 0.54 | — |
| | | PM _{2.5} | 0.54 | — |
| | | SO ₂ | 1.02 | — |
| | | VOC (6) | 0.51 | — |
| B93H6510 | Furnace F-6510 Receiving Recycle Stream | CO | 5.27 | — |
| | | NO _x | 2.49 | — |
| | | PM | 0.48 | — |
| | | PM ₁₀ | 0.48 | — |
| | | PM _{2.5} | 0.48 | — |
| | | SO ₂ | 0.71 | — |
| | | VOC (6) | 6.57 | — |
| | | Ethylene | 4.67 | — |

Emission Sources - Maximum Allowable Emission Rates

| | | | | |
|-----------|---|-------------------|--------|-------|
| B93H6510 | Furnace F-6510 Annual Emission Rate Cap | CO | — | 26.77 |
| | | NO _x | — | 11.35 |
| | | PM | — | 2.42 |
| | | PM ₁₀ | — | 2.42 |
| | | PM _{2.5} | — | 2.42 |
| | | SO ₂ | — | 0.18 |
| | | VOC (6) | — | 7.02 |
| | | Ethylene | — | 3.64 |
| B93F1 (8) | Flare FS-5081 Routine Operations | CO | 96.60 | — |
| | | NO _x | 11.27 | — |
| | | SO ₂ | 4.84 | — |
| | | VOC (6) | 71.03 | — |
| | | Ethylene | 21.24 | — |
| | | Propylene | 0.32 | — |
| B93F1 | Flare FS-5081 Receiving Recycle Stream | CO | 141.63 | — |
| | | NO _x | 33.78 | — |
| | | SO ₂ | 4.84 | — |
| | | VOC (6) | 109.70 | — |
| | | Ethylene | 48.67 | — |
| | | Propylene | 0.32 | — |
| B93F1 (8) | Flare FS-5081 MSS | CO | 107.26 | — |
| | | NO _x | 23.64 | — |
| | | SO ₂ | 2.15 | — |
| | | VOC (6) | 101.14 | — |
| | | Ethylene | 59.29 | — |

Emission Sources - Maximum Allowable Emission Rates

| | | | | |
|--|--|-------------------|-------|-------|
| | | Propylene | 19.90 | — |
| B93F1 | Flare FS-5081 Annual Emission Rate Cap | CO | — | 58.40 |
| | | NO _x | — | 7.87 |
| | | SO ₂ | — | 0.10 |
| | | VOC (6) | — | 13.76 |
| | | Ethylene | — | 5.02 |
| | | Propylene | — | 0.31 |
| B93FU3 (5) | Process Area Fugitive Emissions | VOC (6) | 0.86 | 3.75 |
| | | Ethylene | 0.48 | 2.09 |
| | | Propylene | 0.07 | 0.31 |
| B93FU2 (5) | Support Area Fugitive Emissions | VOC (6) | 0.60 | 2.63 |
| | | Propylene | 0.25 | 1.08 |
| B93BH6410 | Masterbatch Unloading Vent Filter | PM | 0.08 | 0.16 |
| | | PM ₁₀ | 0.08 | 0.16 |
| | | PM _{2.5} | 0.08 | 0.16 |
| B93BH6941 | Packaging and Railcar Loading Talc System Filters | PM | 0.02 | 0.01 |
| | | PM ₁₀ | 0.02 | 0.01 |
| | | PM _{2.5} | 0.02 | 0.01 |
| B93BH6992 | Housekeeping Vacuum Vent Filter - Packaging System | PM | 0.01 | 0.01 |
| | | PM ₁₀ | 0.01 | 0.01 |
| | | PM _{2.5} | 0.01 | 0.01 |
| B93BH6993 | Housekeeping Vacuum Vent Filter - Railcar System | PM | 0.01 | 0.01 |
| | | PM ₁₀ | 0.01 | 0.01 |
| | | PM _{2.5} | 0.01 | 0.01 |
| B93FL6923, B93FL6951A, B93FL6951B, B93FL6952A, | Packaging Break Pot Vents | VOC (6) | (7) | — |

Emission Sources - Maximum Allowable Emission Rates

| | | | | |
|---|---|-------------------|--------|-------|
| | | PM | <0.01 | — |
| | | PM ₁₀ | <0.01 | — |
| | | PM _{2.5} | <0.01 | — |
| B93BH6980 (9) | Packaging Dust Collection System Filter | VOC (6) | (7) | — |
| | | PM | 0.19 | — |
| | | PM ₁₀ | 0.19 | — |
| | | PM _{2.5} | 0.19 | — |
| B83FL6965, B83FL6966 (9) | Railcar Loading Break Pot Vents | VOC (6) | (7) | — |
| | | PM | 0.04 | — |
| | | PM ₁₀ | 0.04 | — |
| | | PM _{2.5} | 0.04 | — |
| B93BH6990 (9) | Railcar Vent Filter System | VOC (6) | (7) | — |
| | | PM | 0.26 | — |
| | | PM ₁₀ | 0.26 | — |
| | | PM _{2.5} | 0.26 | — |
| B93FL6923, B93FL6951A, B93FL6951B, B93FL6952A, B93FL6952B, B93BH6980, B83FL6965, B83FL6966, B93BH6990 | Product Material Handling Emission mss | VOC (6) | 1.61 | 7.05 |
| | | PM | — | 2.12 |
| | | PM ₁₀ | — | 2.12 |
| | | PM _{2.5} | — | 2.12 |
| B93LR1 | Loading Rack | VOC (6) | 0.09 | 0.01 |
| B93SD6511 | Spin Dryer | VOC (6) | 4.92 | 16.89 |
| B93MEFU3 & B93MEFU2 | Opening Equipment for MSS | Ethylene | 50.08 | 0.07 |
| | | Propylene | 50.00 | 0.08 |
| | | VOC (6) | 113.39 | 0.19 |
| B93MEAFU3 & B93MEAFU2 | MSS Attachment A Activities | Ethylene | 0.11 | 0.01 |

Emission Sources - Maximum Allowable Emission Rates

| | | | | |
|------------|-------------------------------|-------------------|------|------|
| | | Propylene | 0.07 | 0.01 |
| | | VOC (6) | 2.72 | 0.10 |
| | | Acetone | 0.40 | 0.02 |
| | | PM | 0.15 | 0.01 |
| | | PM ₁₀ | 0.15 | 0.01 |
| | | PM _{2.5} | 0.15 | 0.01 |
| B93MEEP510 | MSS Furnace Ethylene Purge | Ethylene | 0.02 | 0.31 |

- (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
- (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 emission rate limits include ethylene and/or propylene emission rates.
- (7) VOC emissions are included in product material handling emission cap.
- (8) For Flare FS-5081, Routine Operations and MSS Ethylene Purge may not occur simultaneously.
- (9) Packaging EPNs B93FL6923, B93FL6951A, B93FL6951B, B93FL6952A, B93FL6952B, and B93BH6980 may not operate while Railcar EPNs B83FL6965, B83FL6966, and B93BH6990 are operating.

Date: July 27, 2018