EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 2035A

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. 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 * lb/hr | TPY** |
| FT16001300 | Phosphoric Acid Tank | $H_3PO_4$ | 0.01 | 0.01 |
| FT16002500 | BPA Additive Solution Tank | VOC | 0.02 | 0.01 |
| FT16021100 | TBP Tank | VOC | 0.02 | 0.01 |
| FS16056800 | HCl Tank Scrubber | HCl | 0.01 | 0.01 |
| FT16056100 | Hydrochloric Acid Tank | HCl | 0.01 | 0.04 |
| FT16056900 | $H_3PO_4$ Make-up Tank | $H_3PO_4$ | 0.01 | 0.01 |
| FT16409500 | Line 6 Extruder Melt Pot | VOC | 0.01 | 0.01 |
| FT41070400 | Sulfuric Acid Tank | $H_2SO_4$ | 0.02 | 0.01 |
| FI16452900 | Incinerator/Scrubber Stack | CO | 2.70 | 11.70 |
| | | HCl | 0.34 | 1.48 |
| | | $NO_x$ | 6.20 | 27.00 |
| | | VOC | 0.03 | 0.15 |
| | | Acetone | 0.01 | 0.01 |
| | | Methylene Chloride | 0.03 | 0.12 |
| FF16027000 | Decomposition System Flare | CO | 1.65 | 7.20 |
| | | HCl | 1.70 | 0.58 |
| | | $NO_x$ | 0.09 | 0.40 |
| | | VOC | 0.01 | 0.01 |
| | | Methylene Chloride | 0.04 | 0.01 |
| FF41080100 | BPA Flare (5) | CO | 2.53 | 2.24 |
| | | $NO_x$ | 0.30 | 0.29 |

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| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * lb/hr | TPY** |
|---|---|---|---|---|
| | | VOC | 0.01 | 0.01 |
| | | Acetone | 0.01 | 0.01 |
| FCMAKCAS00 | Carbon Adsorption System(5) | VOC | 0.17 | 0.12 |
| | | Methylene Chloride | 0.13 | 0.09 |
| DIEOVEN 1-4 | Die Oven Nos. 1, 2, 3, and 4 | CO | 0.05 (6) | 0.43 (7) |
| | | $NO_x$ | 0.03 (6) | 0.23 (7) |
| | | $SO_x$ | 0.01 (6) | 0.03 (7) |
| | | VOC | 0.02 (6) | 0.15(7) |
| | | $PM/PM_{10}/PM_{2.5}$ | 0.01 (6) | 0.11 (7) |
| FV16249100 | Packaging Station Baghouse 1 | PM | 0.50 | 2.00 |
| | | $PM_{10}$ | 0.01 | 0.01 |
| | | $PM_{2.5}$ | 0.01 | 0.01 |
| FV16280300 | Packaging Station Baghouse 2 | PM | 0.50 | 1.50 |
| | | $PM_{10}$ | 0.01 | 0.01 |
| | | $PM_{2.5}$ | 0.01 | 0.01 |
| FV16298000 | Packaging Station Baghouse 3 | PM | 0.36 | 1.08 |
| | | $PM_{10}$ | 0.01 | 0.01 |
| | | $PM_{2.5}$ | 0.01 | 0.01 |
| FV16213930 | North Bulk Loading Baghouse | PM | 0.58 | 2.54 |
| | | $PM_{10}$ | 0.01 | 0.01 |
| | | $PM_{2.5}$ | 0.01 | 0.01 |
| FV16250100 | South Bulk Loading Baghouse | PM | 0.50 | 1.50 |
| | | $PM_{10}$ | 0.01 | 0.01 |
| | | $PM_{2.5}$ | 0.01 | 0.01 |
| FV16258800 | All Polycarbonate Silo Vent | PM | 1.57 | 2.31 |
| FV40541112 | BPA Silo/Truck Loading Vent | PM | 0.01 | 0.01 |

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| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * lb/hr | TPY** |
|---|---|---|---|---|
| FV40543200 | BPA Railcar Loading Vent | PM | 0.01 | 0.01 |
| FV16158700 | Lines 1, 2, and 3 Baghouse | PM | 0.62 | 2.70 |
| | | $PM_{10}$ | 0.01 | 0.01 |
| | | $PM_{2.5}$ | 0.01 | 0.01 |
| FV163434RO | Line 4 Baghouse | PM | 0.20 | 0.88 |
| | | $PM_{10}$ | 0.01 | 0.01 |
| | | $PM_{2.5}$ | 0.01 | 0.01 |
| FV16420800 | Lines 5 and 6 Baghouse | PM | 0.60 | 2.63 |
| | | $PM_{10}$ | 0.01 | 0.01 |
| | | $PM_{2.5}$ | 0.01 | 0.01 |
| FV16142700 | Line 3 Additive Area Filter | PM | 0.26 | 1.13 |
| | | $PM_{10}$ | 0.01 | 0.01 |
| | | $PM_{2.5}$ | 0.01 | 0.01 |
| FUGITIVES | Fugitives (4) | Acetone | 0.53 | 2.31 |
| | | $Cl_2$ | 0.02 | 0.09 |
| | | $COCl_2$ | 0.01 | 0.05 |
| | | VOC | 2.98 | 13.03 |
| | | Methylene Chloride | 1.36 | 5.96 |
| | | HCl | 0.01 | 0.55 |
| | | $H_3PO_4$ | 0.02 | 0.09 |

(1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
(2) Specific point source names. For fugitive sources use area name or fugitive source name.
(3) BPA - bis-phenol A
$Cl_2$ - chlorine
CO - carbon monoxide
$COCl_2$ - phosgene
HCl - hydrogen chloride
$H_2SO_4$ - sulfuric acid
$H_3PO_4$ - phosphoric acid
$NO_x$ - total oxides of nitrogen
PM - particulate matter suspended in the atmosphere including $PM_{10}$

$PM_{10}$ - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
$SO_x$ - sulfur oxides
TBP - para-tertiary-butyl phenol
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

(4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.
(5) The BPA flare (EPN: FF41080100) emissions are limited to 1440 hours per year as a backup control device for the waste gas stream sent to the incinerator stack (EPN: F116452900). The BPA flare emissions also include emissions from the pilot. The Carbon Adsorption System (EPN: FCMAKCAS00 ) emissions are limited to 1440 hours per year as a backup control device for the scrubber vent sent to the incinerator stack (EPN: F116452900).
(6) Hourly emissions from each Die Oven.
(7) Combined emissions from all four Die Ovens.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

8,760 Hrs/year

** Compliance with annual emission limits is based on a rolling 12-month period.

Dated: May 17, 2011