

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 ₃ PO 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 ₃ PO ₄ Make-up Tank	H ₃ PO ₄	0.01	0.01
FT16409500	Line 6 Extruder Melt Pot	VOC	0.01	0.01
FT41070400	Sulfuric Acid Tank	H ₂ SO 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	0.11	0.50
		NO _x	0.02	0.09

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			lb/hr	TPY**
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
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

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			lb/hr	TPY**
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 ₃ PO 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.

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- (3) BPA - bis-phenol A
Cl₂ - chlorine
CO - carbon monoxide
COCl₂ - phosgene
HCl - hydrogen chloride
H₂SO₄ - sulfuric acid
H₃PO₄ - phosphoric acid
NO_x - total oxides of nitrogen
PM - particulate matter suspended in the atmosphere including PM₁₀
PM₁₀ - 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 emissions are from the pilot. The BPA flare is for emergency use only.
- (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: August 10, 2010