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, 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)
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	HCI Tank Scrubber	HCI	0.01	0.01
FT16056100	Hydrochloric Acid Tank	HCI	0.01	0.04
FT16056900	H3PO4 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	со	2.70	11.70
		HCI	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	со	6.06	26.55
		HCI	0.12	0.51
		NO _x	0.16	0.72
		VOC	0.01	0.01
		SO ₂	<0.01	<0.01
		Methylene Chloride	<0.01	0.01
FF41080100	BPA Flare (5)	СО	2.53	2.24
		NO _x	0.30	0.29
		VOC	0.01	0.01
		Acetone	0.01	0.01

FCMAKCAS00	Carbon Adsorption System (5)	VOC	0.17	0.12
	System (3)	Methylene Chloride	0.13	0.09
DIEOVEN 1-4	Die Oven Nos. 1, 2, 3, and 4	СО	0.05 (6)	0.43 (7)
	anu 4	NO _x	0.03 (6)	0.23 (7)
		SO ₂	0.01 (6)	0.03 (7)
		VOC	0.02 (6)	0.15 (7)
		РМ	0.01 (6)	0.11 (7)
		PM ₁₀	0.01 (6)	0.11 (7)
		PM _{2.5}	0.01 (6)	0.11 (7)
FV16249100	Packaging Station	PM	0.50	2.00
	Baghouse 1	PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
FV16280300	Packaging Station	PM	0.50	1.50
	Baghouse 2	PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
FV16298000	Packaging Station	PM	0.36	1.08
	Baghouse 3	PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
FV16213930	North Bulk Loading	PM	0.58	2.54
	Baghouse	PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
FV16250100	South Bulk Loading	PM	0.50	1.50
	Baghouse	PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
FV16258800	All Polycarbonate Silo	PM	1.57	2.31
	Vent	PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
FV40541112	BPA Silo/Truck	PM	0.01	0.01
	Loading Vent	PM ₁₀	<0.01	<0.01

		PM _{2.5}	<0.01	<0.01
FV40543200	BPA Railcar Loading	PM	0.01	0.01
	Vent	PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
FV16158700	Lines 1, 2, and 3	PM	0.62	2.70
	Baghouse	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	PM	0.60	2.63
	Baghouse	PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
FV16142700	Line 3 Additive Area Filter	РМ	0.26	1.13
	Filler	PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
FUGITIVES	Fugitives (5)	Acetone	0.53	2.31
		Cl ₂	0.02	0.09
		COCI ₂	0.01	0.05
		VOC	2.98	13.03
		Methylene Chloride	1.36	5.96
		HCI	0.01	0.55
		H ₃ PO ₄	0.02	0.09
FCMAKCASSOO MAK-CARBOX	Carbon Box Emissions	Monochlorobenzene	0.07	0.04
		Total VOC	0.07	0.04
		Methylene Chloride	0.21	0.11
		РМ	0.01	0.01
		PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01

PCS-MSSNH3 PCS-NH3	Ammonia Reaction Test	Ammonia	0.01	0.01
PCS-MSSATM MAK-DEGR	Degreaser	Alcohols C9-C11, ethoxylated	0.01	0.01
PCS-MSSATM	Baghouse Clearing	PM	0.39	0.01
PCS-BAGCLR		PM ₁₀	0.18	0.01
		PM _{2.5}	0.03	0.01
PCS-MSSATM	Frac Tanks	Phenol	0.01	0.01
PCS-FRCTK		Monochlorobenzene	0.33	0.11
		Total VOC	0.34	0.12
		Methylene Chloride	0.33	0.11
		Acetone	1.99	0.09
		HCI	0.01	0.01
PCS-MSSATM	Vacuum Trucks	Phenol	0.01	0.01
PCS-VACTR		Monochlorobenzene	0.32	0.01
		Total VOC	0.32	0.01
		Methylene Chloride	0.33	0.02
		Acetone	0.93	0.01
PCS-MSSATM PCS-INT	Instrument Clearing	Unit Compound (9)	0.27	0.01
		Total VOC	0.27	0.01
		Chlorine	0.01	0.01
CS-MSSATM	Batch Still Totes	Phenol	0.08	0.01
MAK-STLTOT	Loading	Monochlorobenzene	2.89	0.04
		tert-Butylphenol	0.02	0.01
		Substituted Phenols	0.01	0.01
		Total VOC	3.00	0.07
PCS-MSSATM	BPA Tote Loading	Methyl Isobutyl Ketone	0.35	0.01
BPA-TOT		Total VOC	0.35	0.01
PCS-MSSATM BPA-REAC	BPA Reactor Catalyst Loading	Phenol	0.56	0.01

PCS-MSSATM	Solids Handling	PM	0.12	0.01
PCS-SOL		PM ₁₀	0.06	0.01
		PM _{2.5}	0.01	0.01
PCS-MSSATM	Tank Trucks	Phenol	0.01	0.01
PCS-TKTR		Methyl Isobutyl Ketone	1.50	0.13
		Monochlorobenzene	0.07	0.01
		Total VOC	1.58	0.13
		Methylene Chloride	1.54	0.04
FF16027000	CO Purging	СО	18.24	0.44
MAK-COPRG		NO _x	0.25	0.01
FF41080100 BPA-FLR	BPA Unit Flaring	Phenol	0.03	0.01
BPA-FLR		Methyl Isobutyl Ketone	0.01	0.01
		VOC-U	0.15	0.08
		Total VOC	0.18	0.08
		Acetone	0.01	0.01
		NO _x	0.85	0.43
		СО	7.29	3.65
PCS-MSSATM PCS-UNCONT	Uncontrolled Equipment Clearing	Phenol	13.94	0.34
	Equipment Cleaning	Bisphenol A	0.16	0.01
		Methyl Isobutyl Ketone	7.97	0.04
		Diacetone Alcohol	0.96	0.01
		Mercaptopropionic Acid	0.02	0.01
		Monochlorobenzene	20.69	1.16
		Tert-butylphenol	1.28	0.01
		Ethylene Glycol	0.03	0.01
		Ethyl Chloride	0.06	0.01
		Total VOC	45.11	1.60
		HCI	0.43	0.01
		Acetone	6.14	0.02
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		Ammonia	0.38	0.01
		Methylene Chloride	22.74	1.30
		High boiling diphenyl carbonyl (DPC)	0.01	0.01
PCS-MSSCNT BPA-REAC	BPA Reactor Catalyst Loading	Phenol	0.21	0.01
PCS-MSSCNT PCS-CONT	Controlled Equipment	Phenol	1.08	0.01
PCS-CONT	Clearing (8)	Bisphenol A	3.17	0.22
		Methyl Isobutyl Ketone	0.48	0.01
		Diacetone Alcohol (4-Hydroxy-4-methyl-2-pentanone)	0.06	0.01
		Mercaptopropionic Acid	0.01	0.01
		Monochlorobenzene	2.31	0.02
		tert-Butylphenol	0.01	0.01
		Ethyl Chloride	0.01	0.01
		Ethylene Glycol	0.01	0.01
		Total VOC	7.14	0.31
		HCI	0.01	0.01
		Acetone	0.57	0.01
		Ammonia	0.01	0.01
		Methylene Chloride	3.99	0.03
		High boiling diphenyl carbonyl (DPC)	0.01	0.01
		NOx	0.02	0.01
		СО	0.18	0.01

(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

VOC-U - volatile organic compounds (unspeciated)

HCI - hydrochloric acid

 Cl_2 - chlorine $COCl_2$ - phosgene H_3PO_4 - phosphoric acid H_2SO_4 - sulfuric acid

- (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) Hourly emissions from each Die Oven.
- (7) Combined emissions from all four Die Ovens.
- (8) See Attachment C, Footnote 1 in the Special Conditions for PCS-MSSCNT.
- (9) Molecular weight and density of the compound are based on the average compound information for each of the units. The instruments can contain any combination of chemicals associated with the unit.

Date:	January 31, 2017