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	11.83	
Stack	Stack	HCI	0.36	1.56	
		NOx	1.25	5.48	
		VOC	0.05	0.23	
		SO2	<0.01	<0.01	
		Acetone	0.01	0.06	
		Methylene Chloride	0.03	0.12	
FF16027000	Decomposition System Flare	СО	6.06	26.55	
	T late	HCI	0.12	0.51	
		NO _x	0.16	0.72	
		VOC	0.01	0.01	
		SO2	<0.01	<0.01	
		Methylene Chloride	<0.01	0.01	

FF41080100	BPA Flare	СО	2.53	2.24
		NOx	0.3	0.29
		VOC	0.01	0.01
		SO2	<0.01	<0.01
		Acetone	0.01	0.01
FCMAKCAS00	Carbon Adsorption System	VOC	0.17	0.12
	System	Methylene Chloride	0.13	0.09
DIEOVEN 1-4	Die Oven Nos. 1, 2, 3, and 4	СО	0.05 (6)	0.43 (7)
		NOx	0.03 (6)	0.23 (7)
		SOx	0.01 (6)	0.03 (7)
		VOC	0.02 (6)	0.15 (7)
		PM	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 Baghouse 1	PM	0.50	2.00
	Bugnouse 1	PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
FV16280300	Packaging Station Baghouse 2	PM	0.50	1.50
	Bugnouse 2	PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
FV16298000	Packaging Station Baghouse 3	PM	0.36	1.08
	Bugilouse 3	PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01

FV16213930	North Bulk Loading Baghouse	РМ	0.58	2.54
	Dagnouse	PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
FV16250100	South Bulk Loading Baghouse	PM	0.50	1.50
	Dagnouse	PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
FV16258800	All Polycarbonate Silo Vent	PM	1.57	2.31
	Volle	PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
FV40541112	BPA Silo/Truck Loading Vent	PM	0.01	0.01
	Loading Volit	PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
FV40543200	BPA Railcar Loading Vent	PM	0.01	0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<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
	1 1101	PM ₁₀	0.01	0.01

		PM _{2,5}	0.01	0.01
		1 1412.5		
FUGITIVES	Fugitives (5)	Acetone	0.53	2.31
		Cl ₂	0.02	0.09
		COCI ₂	0.01	0.05
		VOC	2.84	12.41
		Methylene Chloride	1.56	6.84
		HCI	0.01	0.55
		H ₃ PO ₄	0.02	0.09
FCMAKCASSOO MAK-CARBOX	Carbon Box Emissions	Monochlorobenzene	0.07	0.04
WAR-CARBOX		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	0.04	0.01
PCS-MSSATM MAK-DEGR	Degreaser	Petroleum Distillate	0.01	0.01
PCS-MSSATM PCS-BAGCLR	Baghouse Clearing	РМ	0.39	0.01
. 33 5/133211		PM ₁₀	0.18	0.01
		PM _{2.5}	0.03	0.01

PCS-FRCTK		0.01	0.01
		0.33	0.11
		0.34	0.12
	Methylene Chloride	0.33	0.11
	Acetone	1.99	0.09
	HCI	0.01	0.01
Vacuum Trucks	Phenol	0.01	0.01
	Monochlorobenzene	0.32	0.01
	Total VOC	0.33	0.02
	Methylene Chloride	0.33	0.01
	Acetone	0.93	0.01
Instrument Clearing	Total VOC	0.27	0.01
	Cl ₂	0.01	0.01
BPA Tote Loading	Methyl Isobutyl Ketone	0.35	0.01
	Total VOC	0.35	0.01
BPA Reactor Catalyst Loading	Phenol	0.56	0.01
Tank Trucks	Phenol	0.01	0.01
	Methyl Isobutyl Ketone	1.50	0.13
	Monochlorobenzene	0.07	0.01
	Total VOC	1.58	0.13
	Methylene Chloride	1.54	0.04
Uncontrolled	Phenol	13.94	0.35
	Bisphenol A	0.16	0.01
	Methyl Isobutyl Ketone	7.97	0.04
	Diacetone Alcohol	0.96	0.01
	Instrument Clearing BPA Tote Loading BPA Reactor Catalyst Loading Tank Trucks	Monochlorobenzene Total VOC Methylene Chloride Acetone HCI Vacuum Trucks Phenol Monochlorobenzene Total VOC Methylene Chloride Acetone Instrument Clearing Total VOC Cl2 BPA Tote Loading Methyl Isobutyl Ketone Total VOC BPA Reactor Catalyst Loading Tank Trucks Phenol Methyl Isobutyl Ketone Monochlorobenzene Total VOC Brank Trucks Phenol Methyl Isobutyl Ketone Monochlorobenzene Total VOC Methylene Chloride Uncontrolled Equipment Clearing Phenol Bisphenol A Methyl Isobutyl Ketone	Monochlorobenzene 0.33 Total VOC 0.34 Methylene Chloride 0.33 Acetone 1.99 HCl 0.01 Monochlorobenzene 0.01 Monochlorobenzene 0.32 Total VOC 0.33 Methylene Chloride 0.33 Acetone 0.93 Total VOC 0.27 Cl2 0.01 Methyl Isobutyl Ketone 0.35 Total VOC 0.35 Total VOC 0.35 Total VOC 0.35 Total VOC 0.36 Total VOC 0.37 Total VOC 0.38 Total VOC 0.39 Total VOC

		To 00	To 04
	Mercaptopropionic Acid	0.02	0.01
	Monochlorobenzene	20.69	1.14
	Tert-butylphenol	1.28	0.01
	Ethylene Glycol	0.03	0.01
	Ethyl Chloride	0.06	0.01
	EPP	0.01	0.01
	Total VOC	45.06	1.60
	HCI	0.56	0.01
	Acetone	6.14	0.02
	Ammonia	1.00	0.01
	Methylene Chloride	20.69	1.34
	High boiling diphenyl carbonyl (DPC)	0.01	0.01
CO Purging	со	18.24	0.44
	NO _x	0.25	0.01
BPA Unit Flaring	Phenol	0.01	0.01
	Methyl Isobutyl Ketone	0.01	0.01
	VOC-U	0.15	0.08
	Total VOC	0.17	0.08
	Acetone	0.01	0.01
	NO _x	0.85	0.43
	со	7.29	3.65
BPA Reactor Catalyst Loading	Phenol	0.21	0.01
Controlled Equipment	Phenol	1.08	0.01
Joanny	Bisphenol A	3.17	0.22
	Methyl Isobutyl Ketone	0.48	0.01
	BPA Unit Flaring BPA Reactor Catalyst Loading	Tert-butylphenol Ethylene Glycol Ethyl Chloride EPP Total VOC HCI Acetone Ammonia Methylene Chloride High boiling diphenyl carbonyl (DPC) CO Purging CO NOx BPA Unit Flaring Phenol Methyl Isobutyl Ketone VOC-U Total VOC Acetone NOx CO BPA Reactor Catalyst Loading Controlled Equipment Clearing Phenol Bisphenol A	Monochlorobenzene 20.69 Tert-butylphenol 1.28 Ethylene Glycol 0.03 Ethyl Chloride 0.06 EPP 0.01 Total VOC 45.06 HCl 0.56 Acetone 6.14 Ammonia 1.00 Methylene Chloride 20.69 High boiling diphenyl carbonyl (DPC) 0.01 CO Purging CO 18.24 NOx 0.25 EPA Unit Flaring Phenol 0.01 Wethyl Isobutyl Ketone 0.01 VOC-U 0.15 Total VOC 0.17 Acetone 0.01 NOx 0.85 CO 7.29 EPA Reactor Catalyst Loading Phenol 1.08 Esphenol A 3.17 Events Controlled Equipment Clearing Phenol 1.08 Esphenol A 3.17 Events Controlled Equipment Controlled Equipment Clearing Phenol 1.08 Esphenol A 3.17 Events Controlled Equipment Controlled Equipment Controlled Equipment Controlled Equipment Controlled Equipment Controlled Equipment Clearing Controlled Equipment Cont

		Diacetone Alcohol (4-Hydroxy-4-methyl-2-pentanone)	0.06	0.01
		Mercaptopropionic Acid	0.01	0.01
			2.31	0.02
		tert-Butylphenol	0.01	0.01
		Ethyl Chloride	0.01	0.01
		Ethylene Glycol	0.01	0.01
		EPP	0.01	0.01
		Total VOC	7.15	0.32
PCS-MSSCNT (8)	Controlled Equipment Clearing	HCI	0.03	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	
		NO _x	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

VOC-U - VOC unspeciated 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
HCl - hydrochloric acid

 $\begin{array}{lll} \text{CI}_2 & - & \text{chlorine} \\ \text{COCI}_2 & - & \text{phosgene} \\ \text{H}_3\text{PO}_4 & - & \text{phosphoric acid} \\ \text{H}_2\text{SO}_4 & - & \text{sulfuric acid} \\ \text{EPP} & - & \text{Ethylene Piperidine} \\ \end{array}$

(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 annual emissions from all four Die Ovens	s. The total	l hours of	operations f	or all four	die ovens	are lim	ited to
	17,000 hours per year.							

(8) See Attachment C Footnote 1 in Special Conditions for PCS-MSSCNT.

Date:	March 3, 2017
Date.	Maion 0, 2017