Emission Sources - Maximum Allowable Emission Rates

Permit Number 49076

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)
165-ATM-1	Base Resin Feed Hopper-1A	PM	0.13	0.25
		PM_{10}	0.13	0.25
		$PM_{2.5}$	0.13	0.25
		VOC	3.29	1.31
165-ATM-2	Base Resin Feed Hopper-1B	PM	0.34	0.25
		PM_{10}	0.34	0.25
		$PM_{2.5}$	0.34	0.25
		VOC	3.32	1.54
165-ATM-3	Base Resin Feed Hopper-1S	PM	0.34	0.20
		PM_{10}	0.34	0.20
		$PM_{2.5}$	0.34	0.20
		VOC	1.62	0.64
165-ATM-4	Base Resin Feed Hopper-2B	PM	0.34	0.45
		PM_{10}	0.34	0.45
		$PM_{2.5}$	0.34	0.45
		VOC	1.81	1.62
165-ATM-5	Base Resin Feed Hopper-2S	PM	0.16	0.20
		PM_{10}	0.16	0.20
		$PM_{2.5}$	0.16	0.20
		VOC	1.28	0.47
165-ATM-6	Base Resin Feed Hopper-2RW	PM	0.06	0.10
		PM_{10}	0.06	0.10
		$PM_{2.5}$	0.06	0.10
		VOC	0.82	1.23

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165-ATM-7	Base Resin Feed Hopper-3N	PM	0.04	0.10
		PM_{10}	0.04	0.10
		$PM_{2.5}$	0.04	0.10
		VOC	1.65	0.81
165-ATM-8	Base Resin Feed Hopper-3B	PM	0.34	0.25
		PM_{10}	0.34	0.25
		$PM_{2.5}$	0.34	0.25
		VOC	2.21	1.61
165-ATM-9	Base Resin Feed Hopper-3RW	PM	0.15	0.10
		PM_{10}	0.15	0.10
		$PM_{2.5}$	0.15	0.10
		VOC	1.67	0.91
165-SOC-1	Natural Resin Unloading	PM	0.01	0.03
		PM_{10}	0.01	0.03
		$PM_{2.5}$	0.01	0.03
165-SEP-1	No. 3 Direct Packaging Separator	PM	0.02	0.11
		PM_{10}	0.02	0.11
		$PM_{2.5}$	0.02	0.11
165-SEP-2	No. 2X Waste Separator	PM	0.02	0.01
		PM_{10}	0.02	0.01
		$PM_{2.5}$	0.02	0.01
		VOC	0.08	0.06
165-ATM-10	No. 1X Centrifugal Dryer	PM	0.92	0.60
		PM_{10}	0.92	0.60
		$PM_{2.5}$	0.92	0.60
		VOC	1.45	1.07
165-ATM-11	No. 2X Centrifugal Dryer	PM	0.92	0.60
		PM_{10}	0.92	0.60
		$PM_{2.5}$	0.92	0.60

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		VOC	0.14	0.11
165-ATM-12	No. 3X Centrifugal Dryer	PM	0.92	0.60
		PM$_{10}$	0.92	0.60
		PM$_{2.5}$	0.92	0.60
		VOC	1.07	1.21
165-ATM-13	Base Resin Feed Hopper-3S	PM	0.15	0.10
		PM$_{10}$	0.15	0.10
		PM$_{2.5}$	0.15	0.10
		VOC	1.66	0.84
165-TK-1	No. 2 and 3 Xtrdr Acid	VOC	0.01	0.01
165-SOC-2	No. 1 H/C Unloading Blower Filter	PM	0.01	0.01
		PM$_{10}$	0.01	0.01
		PM$_{2.5}$	0.01	0.01
165-SOC-3	No. 2 H/C Unloading Blower Filter	PM	0.01	0.01
		PM$_{10}$	0.01	0.01
		PM$_{2.5}$	0.01	0.01
165-SOC-4	No. 4 H/C Unloading Blower Filter	PM	0.01	0.01
		PM$_{10}$	0.01	0.01
		PM$_{2.5}$	0.01	0.01
165-SOC-5	Zinc H/C Unloading Blower Filter	PM	0.01	0.01
		PM$_{10}$	0.01	0.01
		PM$_{2.5}$	0.01	0.01
165-SOC-6	North Pkg. Blower Filter	PM	0.01	0.01
		PM$_{10}$	0.01	0.01
		PM$_{2.5}$	0.01	0.01
165-SOC-7	South Pkg. Blower Filter	PM	0.01	0.01
		PM$_{10}$	0.01	0.01
		PM$_{2.5}$	0.01	0.01

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Emission Sources - Maximum Allowable Emission Rates

165-SOC-8	165 Building Vacuum System	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
		VOC	1.98	1.59
165-SOC-9	No. 1 Rework Hopper	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
		VOC	0.22	0.01
165-SEP-3	No. 3 South Concentrate Separator	PM	0.01	0.02
		PM_{10}	0.01	0.02
		$PM_{2.5}$	0.01	0.02
		VOC	0.81	0.91
165-SEP-4	No. 3 North Concentrate Separator	PM	0.02	0.08
		PM_{10}	0.02	0.08
		$PM_{2.5}$	0.02	0.08
		VOC	0.65	0.54
165-SEP-5	No. 1 Rework Separator	VOC	0.27	0.01
165-SEP-6	Whitlocks to Box	PM	0.15	0.01
		PM_{10}	0.15	0.01
		$PM_{2.5}$	0.15	0.01
		VOC	1.65	0.01
166-BAG-1	North Area Fines Collection Filter	PM	0.08	0.06
		PM_{10}	0.08	0.06
		$PM_{2.5}$	0.08	0.06
		VOC	21.65	49.08
166-ATM-1	XM-Hoppers	PM	2.25	0.40
		PM_{10}	2.25	0.40
		$PM_{2.5}$	2.25	0.40
		VOC	0.71	0.53

Emission Sources - Maximum Allowable Emission Rates

166-BAG-2	XM Hopper Fines Dust Collector	PM	0.03	0.02
		PM_{10}	0.03	0.02
		$PM_{2.5}$	0.03	0.02
166-SEP-1	Direct Packaging Separator	PM	0.02	0.06
		PM_{10}	0.02	0.06
		$PM_{2.5}$	0.02	0.06
		VOC	1.09	0.81
166-SEP-2	"A" Separator	PM	0.26	0.02
		PM_{10}	0.26	0.02
		$PM_{2.5}$	0.26	0.02
166-SEP-4	North Area Silo Waste Separator	PM	0.08	0.01
		PM_{10}	0.08	0.01
		$PM_{2.5}$	0.08	0.01
166-SEP-3	"B" Separator	PM	0.06	0.02
		PM_{10}	0.06	0.02
		$PM_{2.5}$	0.06	0.02
166-SOC-1	166 Building Vacuum System	PM	0.01	0.01
		PM10	0.01	0.01
		PM2.5	0.01	0.01
167-BAG-1	North/South/Surlyn H/C Filter	PM	0.03	0.03
		PM_{10}	0.03	0.03
		$PM_{2.5}$	0.03	0.03
167-SEP-1	South H/C Loading Separator	PM	0.78	1.07
		PM_{10}	0.78	1.07
		$PM_{2.5}$	0.78	1.07
167-SEP-2	North H/C Loading Separator	PM	0.84	1.07
		PM_{10}	0.84	1.07
		$PM_{2.5}$	0.84	1.07
167-SEP-3	Surlyn H/C Loading Kice Separator	PM	0.13	0.16

Emission Sources - Maximum Allowable Emission Rates

		PM_{10}	0.13	0.16
		$PM_{2.5}$	0.13	0.16
167-SEP-4	H/C Loading Waste Separator	PM	0.08	0.41
		PM_{10}	0.08	0.41
		$PM_{2.5}$	0.08	0.41
189-VNT	Building 189 Combined Emissions	PM	0.70	9.55
		PM_{10}	0.70	9.55
		$PM_{2.5}$	0.70	9.55
		VOC	8.91	10.04
192-BAG-1	Unloading/Packaging/Transfer Blower	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
FUG	CSD Fugitives (5)	VOC	0.46	2.01
192-ATM-1	Weigh Bins	PM	0.12	0.10
		PM_{10}	0.12	0.10
		$PM_{2.5}$	0.12	0.10
192-SEP-1	Waste Separator	PM	0.13	0.01
		PM_{10}	0.13	0.01
		$PM_{2.5}$	0.13	0.01
192-BAG-2	H/C Unloading Filter	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
534-Comb	SEP -(1-12) and BAG-1 Combined Emissions	PM	1.21	4.39
		PM_{10}	1.21	4.39
		$PM_{2.5}$	1.21	4.39
		VOC	0.71	0.05
534-SEP-13	No. 3 Box Line	PM	0.08	0.06
		PM_{10}	0.08	0.06
		$PM_{2.5}$	0.08	0.06

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534-SOC-1	No. 1 Bag Rework Blower Filter	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
534-SOC-2	No. 2 Bag Rework Blower Filter	PM	0.01	0.02
		PM_{10}	0.01	0.02
		$PM_{2.5}$	0.01	0.02
534-BAG-2	534 Building Vacuum System	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
534-SOC-3	4X Jumbo Transfer Blower	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
534-ATM-1	Portable Hopper Car Unloading	PM	0.06	0.01
		PM_{10}	0.06	0.01
		$PM_{2.5}$	0.06	0.01
700-SOC-1	Base Resin Feed Primary Filter	PM	0.01	0.04
		PM_{10}	0.01	0.04
		$PM_{2.5}$	0.01	0.04
		VOC	2.01	7.67
700-SOC-2	Hopper Car Suction Blower Bag	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
192-TRLR	192 Pad Waste Pellets	VOC	20.41	35.01
700-SOC-3	700 Building Vacuum System	PM	0.01	0.04
		PM_{10}	0.01	0.04
		$PM_{2.5}$	0.01	0.04
		VOC	2.73	6.84
700-ATM-1	Centrifugal Dryer	PM	0.04	0.11

Emission Sources - Maximum Allowable Emission Rates

		PM_{10}	0.04	0.11
		$PM_{2.5}$	0.04	0.11
		VOC	0.36	0.61
700-SOC-4	Pellet Cooler Product Separator	PM	0.01	0.04
		PM_{10}	0.01	0.04
		$PM_{2.5}$	0.01	0.04
700-SOC-5	Weight Hopper	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
700-SOC-6	7X Classifier Vent	PM	1.18	0.45
		PM_{10}	1.18	0.45
		$PM_{2.5}$	1.18	0.45
		VOC	0.12	0.20
700-SEP-1	Ballast Separator	PM	0.06	0.10
		PM_{10}	0.06	0.10
		$PM_{2.5}$	0.06	0.10
		VOC	0.01	0.05
700-SEP-2	Direct Boxing Separator	PM	0.06	0.73
		PM_{10}	0.06	0.73
		$PM_{2.5}$	0.06	0.73
		VOC	0.12	0.20
700-SEP-3	Additive Hopper	PM	0.02	0.10
		PM_{10}	0.02	0.10
		$PM_{2.5}$	0.02	0.10
		VOC	0.01	0.01
700-SEP-4	Loss-In-Weight (LIW) Hopper	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01

Emission Sources - Maximum Allowable Emission Rates

		VOC	0.01	0.01
700-TK-1	Waste Acid Tank	VOC	0.35	0.36
700-TK-2	Acetic Acid Hold-Up Tank	VOC	0.01	0.01
700-TK-3	Oleic Acid Storage Tank	VOC	0.69	0.02
CSD-CT-1	Cooling Tower	PM	0.04	0.17
		PM_{10}	0.04	0.17
		$PM_{2.5}$	0.04	0.17
701-OVEN	Beringer Oven	VOC	0.03	0.15
EXTDR-MSS	MSS Emissions to Atmosphere	VOC	0.20	0.33
LINE-PURGE	Liquid Line Purging	VOC	0.38	0.17

(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)   PM   -   total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
       PM_{10} -   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
       VOC   -   volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
(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.

Date: January 8, 2020