Emission Sources - Maximum Allowable Emission Rates

Permit Number 3372

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 (6)**	
			lbs/hour	**TPY (5)**
VPS-001 through VPS-004	Virgin PS Silo Vents	PM	0.24	0.34
		PM_{10}	0.24	0.34
		$PM_{2.5}$	0.24	0.34
DBAH-001 and DBAH-002	Process Extruder Feed Bin Baghouse Exhausts	PM	0.19	0.54
		PM_{10}	0.19	0.54
		$PM_{2.5}$	0.19	0.54
PFNP-001	Non-Process Fugitives (Flanges, Pumps, Valves, etc.)	VOC	0.77	(4)
PFEXT-002 through PFEXT-004 (Vents 1-16)	Extrusion Buildings	VOC	34.20	(4)
PFRS-001	Roll Storage Building	VOC	34.30	(4)
T/F-001 and T/F-002	Foams Thermoforming Vacuum Pump Vents	VOC	0.69	(4)
PFT/F-01 through PFT/F-03 (Vents 1-20)	Foam Thermoformer Buildings	VOC	33.60	(4)
RMC (Vents 1-10)	Finished Goods Warehouse	VOC	50.04	(4)
RTO-001	Regenerative Thermal Oxidizer	VOC	12.04	(4)
		NO_X	1.68	3.15
		CO	0.42	0.66
		SO_2	0.01	0.03
		PM	0.05	0.24
		PM_{10}	0.05	0.24
		$PM_{2.5}$	0.05	0.24
BLD-054	Reclaim Extruder Building	VOC	0.24	(4)

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RPP-001 through RPP-011	Reclaim Resin Silo Vents	PM	0.05	0.20
		PM_{10}	0.05	0.20
		$PM_{2.5}$	0.05	0.20
RPP-012	Nucleating Agent Silo	PM	0.12	<0.01
		PM_{10}	0.12	<0.01
		$PM_{2.5}$	0.12	<0.01
FPP-001	Dual Color Flake Silo Dust Collector Exhaust	PM	0.15	0.66
		PM_{10}	0.15	0.66
		$PM_{2.5}$	0.15	0.66
VPP-001 and VPP-002	Dual Color Virgin Silo Vents	PM	0.12	0.05
		PM_{10}	0.12	0.05
		$PM_{2.5}$	0.12	0.05
DIE 551 and DIE 552	Dual Color Extruder Die Hood Exhaust	VOC	0.05	0.23
		PM	0.02	0.11
		PM_{10}	0.02	0.11
		$PM_{2.5}$	0.02	0.11
FOPS-01 and FOPS-02	OPS Flake Silo Vents	PM	0.41	1.79
		PM_{10}	0.41	1.79
		$PM_{2.5}$	0.41	1.79
ROPS-001 and ROPS-002	OPS Resin Silo Baghouse	PM	0.02	0.08
		PM_{10}	0.02	0.08
		$PM_{2.5}$	0.02	0.08
F-CPH	Compass Penthouse Exhaust Fan	PM	0.48	2.09
		PM_{10}	0.48	2.09
		$PM_{2.5}$	0.48	2.09
DIE-581	OPS Die Hood Exhaust	PM	0.15	0.68
		PM_{10}	0.15	0.68
		$PM_{2.5}$	0.15	0.68
		VOC	0.14	0.63
T-1	Resin Pellet Silo T-1 (Virgin PP) Dust Collector Exhaust	PM	0.01	<0.01
		PM_{10}	0.01	<0.01

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		$PM_{2.5}$	0.01	<0.01
T-2	PP Use Bin Vacuum System Exhaust	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
T-4	Resin Pellet Silo T-4 (Virgin PP) Dust Collector Exhaust	PM	0.01	<0.01
		PM_{10}	0.01	<0.01
		$PM_{2.5}$	0.01	<0.01
T-5	Mineral Silo T-5 Dust Collector Exhaust	PM	0.02	0.01
		PM_{10}	0.02	0.01
		$PM_{2.5}$	0.02	0.01
T-10A	MFPP Flake Silo 1A and 2A Torit Dust Collector Exhaust	PM	0.06	0.04
		PM_{10}	0.06	0.04
		$PM_{2.5}$	0.06	0.04
T-10B	MFPP Flake Silo 1B and 2B Torit Dust Collector Exhaust	PM	0.06	0.04
		PM_{10}	0.06	0.04
		$PM_{2.5}$	0.06	0.04
T-11	Flake Use Bin Vacuum System Exhaust	PM	0.04	0.08
		PM_{10}	0.04	0.08
		$PM_{2.5}$	0.04	0.08
T-15	Out of Spec MFPP Flake Vacuum System Exhaust	PM	0.04	0.01
		PM_{10}	0.04	0.01
		$PM_{2.5}$	0.04	0.01
T-19	Mineral Super Sak Unload Room Ceiling Exhaust Fan	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
T-20	PP Virgin Resin Railcar Unload System Vacuum Exhaust	PM	0.01	<0.01
		PM_{10}	0.01	<0.01
		$PM_{2.5}$	0.01	<0.01
T-21	MFPP Penthouse Exhaust Fan	PM	0.25	1.07
		PM_{10}	0.25	1.07

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		$PM_{2.5}$	0.25	1.07
T-22	MFPP Extruder Die/Chrome Roll Exhaust Stack Exhaust Fan	PM	<0.01	0.01
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	0.01
		VOC	0.02	0.07
T-24	MFPP Extruder Screw Vents and Vent Vacuum System Exhaust Stack	PM	<0.01	0.01
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	0.01
		VOC	0.03	0.12
Plant-wide HAP Limits		Single HAP		< 10.00
		Total HAP		< 25.00
Planned Maintenance, Startup, and Shutdown Emissions				
RTO-MSS-1 through 19 (stacks)	RTO Downtime Emissions: Fluff Silos 1 through 14, Reclaim Extruder Vent, and Reclaim Extruder Bins 1 through 4	VOC	192.00	11.45
PFEXT-002 through PFEXT-004 (Vents 1-16)	Extruder Startup Emissions - Building Vents 1 through 16	VOC	42.72	16.00
RTO-001	RTO Bakeout Emissions	PM	2.84	0.02
		PM_{10}	2.84	0.02
		$PM_{2.5}$	2.84	0.02
		VOC	0.06	<0.01
		Styrene	<0.01	<0.01
		Toluene	<0.01	<0.01
		NO_X	0.90	0.01
		CO	0.76	<0.01
		SO_2	0.01	<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.
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter

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CO - carbon monoxide
HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C

(4) Cumulative VOC blowing agent emissions from this permit shall not exceed 572 tpy.
(5) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
(6) The allowable emission rates include planned maintenance, startup, and shutdown activities.

Date: August 1, 2016