Emission Sources - Maximum Allowable Emission Rates

Permit Number 18389

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)
Building 1				
FOAMPLANT	Expanded Polystyrene Foam Production	VOC		125.92
		PM		2.47
ES56	Reclaim Process Routed to Thermal Oxidizer	VOC	0.80	3.50
		VOC (5)	0.02	0.08
		CO (5)	0.23	1.00
		SO_2 (5)	< 0.01	0.01
		NO_X (5)	0.45	1.98
		PM (5)	0.02	0.09
The following itemized list represents actual process emission points authorized by this permit; however, emission rates associated with each of these emission points are only estimates; they are included here for clarity.				
ES1-4	Resin Silo	PM	0.20	(6)
ES5-7	Storage Silo	PM	0.14	(6)
ES13, 14A, 14B, 15A, 15B, and 20	Blowers	PM	0.14	(6)
ES16	Extruder 1	VOC	1.93	(6)
ES17A and 17B	Extrusion Laminators	VOC	1.38	(6)
		PM	0.08	(6)
ES19	Extruder 2	VOC	1.37	(6)
ES23 and ES28	Reclaim Roof Vents	VOC	0.83	(6)
ES24-27 and ES29-32	Reclaim Roof Vents	VOC	3.30	(6)

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ES33 and ES34	Reclaim Barrel Vents and Jets Cleaner	VOC	12.12	(6)
		PM	< 0.01	(6)
ES36-45	Thermoformer 1-10 Roof Vents	VOC	4.10	(6)
ES46-52	Warehouse and Loading Fugitives	VOC	1.30	(6)
F1	Roll Storage	VOC	4.10	(6)
RTO-MSS (8)	RTO Downtime Emissions	VOC	47.92	2.88
ES16 and ES19 –MSS	Extruder 1 or 2 Startup	VOC	15.51	3.10
Building 2				
EPSCUPBLR-1, EPSCUPBLR-2, EPSCUPBLR-3, and EPSCUPBLR-4 (7)	Pre-Expansion and Aging, Molding Hoppers, Scrap Grinding/ Repelletizing/Densifying, EPS Cups Boilers, Processing Train Scrap Repelletizing/Densifying	VOC	4.28	4.88
		PM	0.10	0.43
		PM_{10}	0.10	0.43
		$PM_{2.5}$	0.05	0.22
		NO_x	4.65	20.35
		SO_2	0.08	0.33
		CO	3.87	16.96
MOLDEXF-1	Molding, Flower Pot-in line print, Bag and Storage, Flower Pot-Off line print, Bag and Storage, Sized Cups-wrapping, Bag and Storage, Seal Bars (for sealing bags), Aerosol Cans	VOC	13.47	33.27
		PM	< 0.01	0.01
		PM_{10}	< 0.01	0.01
		$PM_{2.5}$	< 0.01	0.01
MOLDEXF-2	Molding, Flower Pot-in line print, Bag and Storage, Flower Pot-Off line print, Bag and Storage, Sized Cups-wrapping, Bag and Storage, Seal Bars (for sealing bags), Aerosol Cans	VOC	13.47	33.27
		PM	< 0.01	0.01
		PM_{10}	< 0.01	0.01
		$PM_{2.5}$	< 0.01	0.01
MOLDEXF-3	Molding, Flower Pot-in line print, Bag and Storage, Flower Pot-Off line print, Bag and Storage, Sized Cups-wrapping, Bag and Storage, Seal Bars (for sealing bags),	VOC	13.47	33.27
		PM	< 0.01	0.01

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		PM_{10}	< 0.01	0.01
		$PM_{2.5}$	< 0.01	0.01
MOLDEXF-4	Molding, Flower Pot-in line print, Bag and Storage, Flower Pot-Off line print, Bag and Storage, Sized Cups-wrapping, Bag and Storage, Seal Bars (for sealing bags), Aerosol Cans	VOC	13.47	33.27
		PM	< 0.01	0.01
		PM_{10}	< 0.01	0.01
		$PM_{2.5}$	< 0.01	0.01
WIPEXF-1 and WIPEXF-2	Flower Pot-Work in Progress Storage for Off-Line print, etc., Sizing (for cups to be wrapped/labeled)	VOC	15.31	67.06
PROTRNEFX-1	Processing Train, Blowing Agent loss, Plastics Processing, Transfer from silo	VOC	12.25	13.65
		PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
PROTRNEFX-2	Processing Train, Blowing Agent loss, Plastics Processing, Transfer from silo	VOC	12.25	13.65
		PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
PROTRNEFX-3	Processing Train, Blowing Agent loss, Plastics Processing, Transfer from silo	VOC	12.25	13.65
		PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
EPSRCUNLD-1	Railcar to Hopper	PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
EPSRCUNLD-2	Railcar to Hopper	PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
EPSCUPSILO-1	Material Unloading, Repelletize Transfer	PM	0.19	0.04

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		PM_{10}	0.19	0.04
		$PM_{2.5}$	0.01	< 0.01
EPSCUPSILO-2	Material Unloading, Repelletize Transfer	PM	0.19	0.04
		PM_{10}	0.19	0.04
		$PM_{2.5}$	0.01	< 0.01
EPSCUPSILO-3	Material Unloading, Repelletize Transfer	PM	0.19	0.04
		PM_{10}	0.19	0.04
		$PM_{2.5}$	0.01	< 0.01
EPSCUPSILO-4	Material Unloading, Repelletize Transfer	PM	0.19	0.04
		PM_{10}	0.19	0.04
		$PM_{2.5}$	0.01	< 0.01
EPSCUPSILO-5	Material Unloading, Repelletize Transfer	PM	0.19	0.04
		PM_{10}	0.19	0.04
		$PM_{2.5}$	0.01	< 0.01
EPSCUPSILO-6	Material Unloading, Repelletize Transfer	PM	0.19	0.04
		PM_{10}	0.19	0.04
		$PM_{2.5}$	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.
(3) 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
　　PM$_{2.5}$　-　particulate matter equal to or less than 2.5 microns in diameter
　　CO　-　carbon monoxide
(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
(5) Combustion emissions.
(6) Annual emission rates are represented in EPN FOAMPLANT.

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(7) The allowable emission rates include planned maintenance, startup, and shutdown activities.
(8) Uncontrolled emissions during maintenance.

Date:___