

2014 TOXIC SUBSTANCE REDUCTION REGULATION ANNUAL REPORT  
Regulation 455/09

E.I. du Pont Canada Company  
DuPont St. Clair River Site

**BASIC FACILITY INFORMATION – St. Clair River Site**

<b>Facility Identification and Site Address</b>		
<b>Company Name</b>	E.I. du Pont Canada Company	
<b>Facility Name</b>	DuPont St. Clair River Site	
<b>Facility Address</b>	<b>Physical Address</b>	<b>Mailing Address (if different)</b>
	E.I du Pont Canada Company St. Clair River, Site Modified Polymers, 291 Albert Street Corunna, Ontario Canada N0N 1G0	E.I du Pont Canada Company St. Clair River, Site Modified Polymers, P.O. Box 40 Corunna, Ontario Canada N0N 1G0
<b>Special Coordinates of Facility</b>	UTM Easting : 382308	UTM Northing : 4750247
<b>Number of Employees</b>	100 Number of full time employee equivalents	
<b>NPRI ID</b>	0000001205	
<b>Ontario Reg 127/01 MOE ID Number</b>		
<b>Parent Company (PC) Information</b>		
<b>PC Name and Address</b>	E. I. du Pont de Nemours Co 1007 Market Street Wilmington, DE 19898	
<b>Percent Ownership for Each PC</b>	100 Percent	
<b>Primary North American Industrial Classification System Code (NAICS)</b>		
<b>2 Digit NAICS Code</b>	32 - Manufacturing	
<b>4 Digit NAICS Code</b>	3261 - Basic Plastic Manufacturing	
<b>6 Digit NAICS Code</b>	326198 – All Other Plastic Product Manufacturing	
<b>Company Contact Information</b>		
<b>Facility Public Contact and Highest Ranking Employee</b>	Rudy Bhola Site Plant Manager	Contact address if different from Facility Address
	Rudy.Bhola-1@dupont.com	
	Phone (519) 862-5705	Same address as facility mailing address noted above
	Fax (519) 862-5880	

Substances:

Substance	CAS #
Maleic Anhydride	108-31-6
Methyl Acrylate	96-33-3
PM2.5	N/A

Maleic Anhydride

Maleic Anhydride is purchased and used as a raw material in the extrusion process and is contained in some manufactured products.

	2014 Quantity/Range Amount (tonnes)	Change from 2013 %
Enters the Process	>100 to 1,000	16.47
Created	0	0
Contained in Product	>100 to 1,000	23.7
Released	>0 to 5	8.8
Disposed	>0 to 5	100.0
Transferred	0	0

Production of plastics containing maleic anhydride in 2014 was greater to that of 2013. There was an increase in the amount purchased for production of the polymers to meet customer demands. There was an increase in the amount disposed.

This substance has had a plan developed and has a time line of 2018 for implementation. The following options have been identified for implementation to reduce use and releases of maleic anhydride:

- Reducing Maleic Anhydride usage through better on-aim statistical process control
- Reduce potential spill quantity at Maleic Anhydride bulk tank through better detection of weight loss

The second bullet point above to reduce potential spill quantity has been completed.

### Methyl Acrylate

The methyl acrylate is contained in some raw materials used to manufacture modified polymers. Some methyl acrylate is removed during the extrusion process.

	2014 Quantity/Range Amount (tonnes)	Change from 2013 %
Enters the Process	>10 to 250	1.45
Created	0	0
Contained in Product	>10 to 250	2.1
Released	>0 to 5	-7.84
Disposed	>0 to 5	47.6
Transferred	0	0

The production of products requiring raw materials containing methyl acrylate decreased during 2014 over 2013. There was an increase of waste containing the substance.

This substance has had a plan developed and has a time line of 2018 for implementation. The following options have been identified for implementation to reduce use and releases of methyl acrylate:

- Eliminate Production of TPE products to reduce Methyl Acrylate usage

The above option has been approved by the business and as such completed.

### PM2.5 Particulate Matter

**Note:** no PM2.5 'enters' the process; PM2.5 for reporting purposes refers to it in its airborne state, therefore only the amount created is included. However, these quantities will be entered as 'n/a' since it is not reportable for this facility in 2014 as PM2.5 did not meet the criteria to provide information to NPRI. PM2.5 particulate matter can be created during the pneumatic conveyance of solid plastic polymers both as raw materials and finished products.

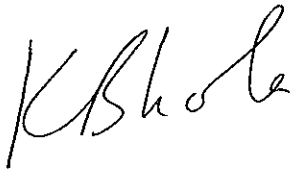
	2014 Quantity/Range Amount (tonnes)	Change from 2013 %
Enters the Process	0	0
Created	N/A	N/A
Contained in Product	0	0
Released	0	0
Disposed	0	0
Transferred	0	0

This substance has had a plan developed and has a time line of 2018 for implementation. The following options have been identified for implementation to reduce creation and releases PM<sub>2.5</sub>:

- Reduce PM<sub>2.5</sub> air emissions through the use of a snorkel at box dumping stations
- Installation of cyclone on #1 feeder at MPX3 to reduce PM<sub>2.5</sub> air emissions

Both the above options have been instituted and completed.

I certify that I have read this report on the toxic substance reduction accounting and am familiar with its contents and to my knowledge the information contained in the report is factually accurate and report complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 made under the Act.



Rudy Bhola  
Site Manager  
(519) 862-5705