

## Toxics Reduction Act - Public Summary Report - 2016 Reporting Year

### 1.0 Basic Facility Information

<b>NPRI Number</b>	5802
<b>O. Reg. 127/01 Number</b>	N/A
<b>Number of full time employee equivalents</b>	44
<b>NAICS Code (2 digit)</b>	31-33 - Manufacturing
<b>NAICS Code (4 digit)</b>	3261 - Plastic product manufacturing
<b>NAICS Code (6 digit)</b>	326150 - Urethane and other foam product (except polystyrene) manufacturing
<b>UTM Coordinates</b>	17 N 618251 m E, 4828427 m N
<b>Facility Name</b>	Atlas Roofing Corporation
<b>Legal Name of Parent Company</b>	Atlas Roofing Corporation
<b>Address of Parent Company</b>	55 Akron Road Street West Etobicoke, ON M8W 1T3
<b>Public Contact</b>	Tikran Gharakhanian Plant Manager 55 Akron Road Street West Etobicoke, ON M8W 1T3 Tel: (416) 201-8975 x 3312 <a href="mailto:tghara@atlasroofing.com">tghara@atlasroofing.com</a>

#### **Facility Description:**

Atlas Roofing Corporation Toronto facility (hereafter "Atlas") manufactures wide range of high quality PolyIso foam board for North American market.

The PolyIso boards are used on the roof or cladding of residential or commercial buildings. The main applications of these boards are for a thermal barrier to reduce the heat transfer of the building to its surrounding environment.

## 2.0 Toxic Substance Accounting

(tonnes)	Ethylene glycol	Methylene-bis(phenylisocyanate) (MDI)	Polymeric diphenylmethane diisocyanate (PMDI)	Nonylphenol and its ethoxylates	PM2.5 - Particulate Matter <= 2.5 Microns	Volatile Organic Compounds (VOCs)	Pentane (all isomers)
	<b>107-21-1</b>	<b>101-68-8</b>	<b>9016-87-9</b>	<b>NA - 20</b>	<b>NA - M10</b>	<b>NA - M16</b>	<b>NA - 35</b>
<b>MPO</b>	>10 to 100	>1000 to 10000	>1000 to 10000	>100 to 1000	-	>1000 to 10000	>100 to 1000
<b>Used</b>	>10 to 100	>1000 to 10000	>1000 to 10000	>100 to 1000	-	>1000 to 10000	>100 to 1000
<b>Created</b>	-	-	-	-	>0 to 1	-	-
<b>Air</b>	-	>0 to 1	>0 to 1	-	>0 to 1	>10 to 100	>10 to 100
<b>Disposed</b>	-	-	-	-	-	-	-
<b>Recycled</b>	-	-	-	-	-	-	-
<b>Sewage</b>	-	-	-	-	-	-	-
<b>Spills</b>	-	-	-	-	-	-	-
<b>Landfill</b>	-	-	-	-	-	-	-
<b>On part</b>	-	-	-	-	-	-	-

PMDI, MDI, Nonylphenol, Pentane and Ethylene Glycol are substances used by the facility for production of Polyisocyanurate foam insulation. They are either consumed or contained in the finished products and their presence is required to maintain the required physical properties.

PM2.5 is created as a by-product during the foam board cutting and trimming processes.

Although Atlas does not intend to reduce the use of PMDI, MDI, Nonylphenol and its Ethoxylates and Pentane, they will continue to conduct further research to identify new reduction options and to keep up with industry standards with regards to pollution prevention.

Ethylene glycol and PM2.5 are new reportable substances in 2016.

#### Accounting and Comparisons - Amount Used (tonnes)

Substance	Year	Amount Used	Change
Methylenebis(phenylisocyanate)	2015	> 1,000 to 10,000	-27.9%, -953.11
	2016	> 1,000 to 10,000	tonnes
Polymeric diphenylmethane diisocyanate	2015	> 1,000 to 10,000	-27.9%, -953.11
	2016	> 1,000 to 10,000	tonnes
Nonylphenol and its ethoxylates	2015	> 100 to 1,000	-31.4%, -49.4 tonnes
	2016	> 100 to 1,000	
Pentane (all isomers)	2015	> 100 to 1,000	-31.8%,
	2016	> 100 to 1,000	-251 tonnes

#### Accounting and Comparisons - Amount Released to Air (tonnes)

Substance	Year	Amount Used	Change
Methylenebis(phenylisocyanate)	2015	> 0 to 1	+64.3%, +0.0009
	2016	> 0 to 1	tonnes
Polymeric diphenylmethane diisocyanate	2015	> 0 to 1	-57.4%, -0.0031
	2016	> 0 to 1	tonnes
Pentane (all isomers)	2015	> 10 to 100	-26.8%,
	2016	> 10 to 100	-20.4 tonnes

Reasons for changes in quantities:

Changes that occurred from 2015 to 2016 are due to decreased production and minor modifications to the calculations.

### **3.0 Signed Certification Statement**

As of June 1, 2017, I, Tikran Gharakhanian, certify that I have read the reports on the toxic substance reduction plans for the toxic substances referred to below and am familiar with their contents, and to my knowledge the information contained in the reports is factually accurate and the reports comply with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.

**Methylenebis(phenylisocyanate)**

**Polymeric diphenylmethane diisocyanate**

**Nonylphenol and its ethoxylates**

**Pentane (all isomers)**

Tikran Gharakhanian  
Plant Manager  
Atlas Roofing Corporation  
(Highest Ranking Employee)  
(electronic signature on file)

Also, I certify that I have read the accounting submission reports on the toxic substances referred to below and am familiar with their contents, and to my knowledge the information contained in the reports is factually accurate and the reports comply with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.

**Ethylene glycol**

**PM2.5**

Tikran Gharakhanian  
Plant Manager  
Atlas Roofing Corporation  
(Highest Ranking Employee)  
(electronic signature on file)