

ATLAS ROOFING CORPORATION TORONTO FACILITY

**Toxic Reduction Act
Public summary Report
O.Reg. 455/09**

**2018 Reporting
Year**

**Prepared by:
Tikran Gharakhanian
Plant manager**

55 Akron road, Etobicoke, Ontario M8W 1T3

Note: Regulation change

Ontario has consulted on proposed changes to Ontario Regulation 455/09 (the regulation) under the *Toxics Reduction Act, 2009*. The proposed changes address duplication and overlap with the federal government's Chemicals Management Plan program under the *Canadian Environmental Protection Act, 1999*. This federal program also requires facilities to take action on toxic substances.

To avoid this unnecessary duplication, for the 2018 calendar year and onwards, all Ontario facilities will no longer need to:

- Prepare new plans
- Review existing plans
- Report on new substances.

Facilities with existing plans will just be required to annually report on substances their existing plans relate to.

Accounting Summary report year 2018

1.0 Basic Facility information

NPRI Number	5802
O.Reg.127/01 Number	NA
Number of full-time Employees Equivalent	37
NAICS Code (2 digit)	31-33 Manufacturing
NAICS Code (4 digits)	3261- Plastic Product Manufacturing
NAICS Code (6 digits)	326150 – Urethane and other foam product (except polystyrene) manufacturing
UTM Coordinates	17 N 618251m E, 4828427 m N
Facility Name	Atlas Roofing Corporation
Legal Name of Parent Company	Atlas Roofing Corporation
Facility Address	55 Akron Road, Etobicoke, ON. M8W 1T3
Public Contact name	Tikran Gharakhanian, Plant Manager 55 Akron Road, Etobicoke, ON. M8W 1T3 Tel: 416 201 8975 ext 3312 tghara@atlasroofing.com

Facility Description

Atlas Roofing Corporation Toronto Facility (hereafter "Alas") manufactures a wide range of high-quality PolyIso foam board for North American market

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

2.0 Toxic Substance Accounting

Units (Tonnes)	Ethylene Glycol	MDI	PMDI	Nonylphenol and its ethoxylates	PM-2.5	(VOCs)	Phosphorous	n-Pentane isomers
CAS #	107-21-1	101-68-8	9016-87-9	NA-20	NA-M10	NA-M16	NA-22	NA-35
Ued	>10, but < 100	>1,000, but < 10,000	>1,000 but < 10,000	>100 but < 1,000	-	>1,000 but < 10,000	>10 but <100	>100 but < 1,000
Crated	-	-	-	-	>0 but < 1	-	-	-
Air Release	-	>0 but <0.001	>0 but <0.001	-	>0 but <1	>10 but < 100	-	>10 but < 100
Disposal	-	-	-	-	-	-	-	-
Recycle	-	-	-	-	-	-	-	-
Sewage	-	-	-	-	-	-	-	-
Spill	-	-	-	-	-	-	-	-
Landfill	-	-	-	-	-	-	-	-
On Part	-	-	-	-	-	-	-	-

Note 1 - MDI stands for (Methylene- bis((phenyl isocyanate)

Note 2 - PMDI stands for (Polymeric diphenylmethane diisocyanate)

Note 3 - PM2.5 stands for Particulate Matter<=2.5 Microns

Note 4 – VOCs stands for Volatile Organic Compound

PMDI, MDI, Nonylphenol and its Ethoxylates, Pentane, Phosphorous, and Ethylene Glycol are substances used by the facility for production of PolyIso 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, Pentane, and Ethylene Glycol, they will continue to conduct further research to identify new reduction options and to keep up with industry standards with regards to pollution prevention.

Accounting and Comparison- Amount Used

Substance	Year	Amount Used (tonnes)	Change
Methylenebis(phenyl isocyanate)	2017	>1,000 but <10,000	0.4% or 9.12 tonnes decrease
	2018	>1,000 but <10,000	
Polymeric Diphenylmethane diisocyanate	2017	>1,000 but <10,000	0.4% or 9.12 tonnes decrease
	2018	>1,000 but <10,000	
Nonylphenol and its Ethoxylates	2017	>100 but <1,000	0.4% 0.5 tonnes decrease
	2018	>100 but <1,000	
Pentane (all isomers)	2017	>100 but <1,000	2.1% or 11.2 tonnes decrease
	2018	>100 but <1,000	
Ethylene Glycol	2017	>10 but <100	2.4% 0.24 tonnes increase
	2018	>10 but <100	
Phosphorous	2017	>10 but < 100	0.4% 0.16 tonnes decrease
	2018	>10 but <100	
PM2.5	2017	>0 but <1 (created)	1.6% 0.005 tonnes decrease
	2018	>0 but <1 (created)	

Accounting and Comparison- Amount Released

Substance	Year	Amount Released (tonnes)	Change
Methylenebis(phenyl isocyanate)	2017	>0 and <0.01	0.4% decrease
	2018	>0 and <0.01	
Polymeric Diphenylmethane diisocyanate	2017	>0 and <0.01	0.4% decrease
	2018	>0 and <0.01	
Nonylphenol and its Ethoxylates	2017	No release (Consumed)	NA (no release)
	2018	No release (Consumed)	
Pentane (all isomers)	2017	>100 and <1,000	5.2% or 2.9 tonnes decrease
	2018	>100 and <1,000	
Ethylene Glycol	2017	No release (Consumed)	NA (no release)
	2018	No release (Consumed)	
Phosphorous	2017	No release (Contained)	NA (no release)
	2018	No release (Contained)	
PM2.5	2017	>0 and <1	1.6% or 0.005 tonnes decrease
	2018	>0 and <1	

Reasons for Change

Changes that occurred from 2017 to 2018 are due to changes in production's level and minor modifications to calculations.

Signed Certification Statement

As of June 1, 2019, I, Tikran Gharakhanian certify that I have read the reports on the toxic reduction plans for toxic substance 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 Toxic Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under the Act.

Toxic Substance list:

- 1- Methylenebis(phenyl isocyanate)
- 2- Polymeric Diphenylmethane Diisocyanate
- 3- Nonylphenol and its Ethoxylates
- 4- Pentane (all isomers)
- 5- Ethylene Glycol
- 6- Phosphorous
- 7- PM2.5

Tikran Gharakhanian

Plant Manager

Atlas Roofing Corporation (Toronto facility highest ranking employee)