

**Pilkington Glass of Canada
PILKINGTON CANADA LTD.
1000 Highway 26, Collingwood, Ontario L9Y 4V8**

**Toxic Substance Reduction Plan Summary
Public Report**

Copper (and its compounds)

Ver. 1

**Pilkington Glass of Canada
PILKINGTON CANADA LTD.
1000 Highway 26, Collingwood, Ontario L9Y 4V8**

**Toxic Substance Reduction Plan Summary
Copper (and its compounds)**

Toxics Reduction Act & Ontario Regulation 455/09

Ver. 1

February 10th, 2017

Toxic Substance Reduction Plan Summary

As required under the Toxics Reduction Act and Ontario Regulation 455/09

Copper (and its compounds)

Basic Facility Information

Pilkington Glass of Canada, Pilkington Canada Ltd. (Pilkington) produces automotive windshields from purchased glass. The main facility activities include manufacturing, assembly, shipping, receiving, and warehousing. The facility operates 24 hours per day, seven days per week and no incidents out of the normal course of events occurred at the facility during 2015. This report is specific to Copper (and its compounds), which was found to exceed its respective NPRI reporting threshold in 2015. It therefore uses 2015 calendar year data. Copper compounds are present in the manufacturing process and are an NPRI Part 1 substance used in excess of 10 tonnes. Pilkington has existing Toxic Substance Reduction Plans in place for Methanol, Particulate Matter 10 microns and less, Particulate Matter 2.5 microns and less, and for Volatile Organic Compounds.

Pilkington is committed to environmental sustainability and operates its facility to ISO 14001 EMS standards. More information is available at www.nsg.com/sustainability.

Facility Identification and Address

Facility Name: Pilkington Glass of Canada

Location: 1000 Highway 26, Collingwood, Ontario L9Y 4V8

NPRI Identification Number: 4522

Two Digit NAICS Code: 32 Four Digit NAICS Code: 3272

Six Digit NAICS Code: 327215 – Glass Product Manufacturing From Purchased Glass

Number of Full-time Employees: ~ 305

UTM Spatial Coordinates: (NAD83-Zone17) 564926 mE: 4927220 mN (front entrance)

Operator Name

Name: Pilkington Canada Ltd.

Address: 1000 Highway 26, Collingwood, Ontario L9Y 4V8

Phone Number: (905) 455-8340 Fax Number: (905) 455-8370

CCRA Business Number: 103372942

Toxic Substances for Which Facility Must Prepare Plan

Substance 1: [Copper (and its compounds)] (no single CAS#)

Public Contact

Name: Gordon Neil, Environmental, Health and Safety Manager

Address: 1000 Highway 26, Collingwood, Ontario L9Y 4V8

Phone Number: (705) 445-4780 ext. 276 Fax Number: (705) 445-3122

E-mail: gordon.neil@nsg.com

Statement of Intent

After careful and due consideration of its operations and with ongoing commitment to its environmental sustainability intents, Pilkington does not intend to reduce the use of the toxic substance.

Objective of the Plan

Having no viable options available for reduction, no implementation for substance reduction will be made under this plan.

Target & Timeline

Pilkington is unable to reduce the use of the toxic substances and therefore has no targets or timelines for the Plan.

Description of Toxic Substance Use

The toxic substance Copper is used in paint mixes in the Paint Process. Paints are hand applied to windshield glass using a screen that allows paint to be applied to selected areas. There are no emissions of the substance. Dried paint adhered to screens is disposed of using an off-site vendor. Copper is present in finished product.

[Copper (and its compounds)] (no single CAS#)

- released from one major process at the facility (paint)
- has straight forward quantifications and direct and indirect cost estimates
- qualified as NPRI Part 1A as threshold surpassed

In the paint process, copper chromite is present in paint that is squeegee applied over silkscreens onto windshield glass. There are no releases to air.

TRA Summary Table

TOXICS REDUCTION ACT - TSRP PUBLIC REPORTING

PILKINGTON GLASS CANADA, COLLINGWOOD

SUBSTANCE	CAS No.	REPORTING	UNITS	USED	CREATED	CONTAINED	ONSITE RELEASES			DISPOSAL		OFFSITE
		YEAR				IN PRODUCT	AIR	LAND	WATER	ONSITE	OFFSITE	RECYCLING
Copper	N/A	2015	tonnes	10 - 100	-	10 - 100	-	-	-	-	0 - 1	-

Description of Options

The customer industry requirement for copper compounds in paint may not be changed and as a result no options for the reduction of the use of the toxic substance were identified using the seven categories of analysis.

Implementation of Option

Having no options for the reduction of the use of the Substances, no implementation will be made under this plan.

This Toxic Substance Reduction Plan Summary accurately reflects the Plan it summarizes.

Plan Confirmations

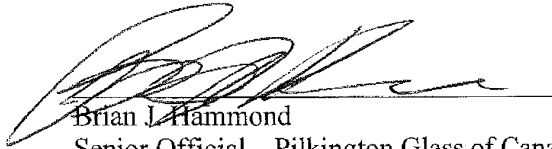
Due to the lateness of the submission of these Plans with regards to the regulatory deadlines, certifications may not be stated, rather confirmations are required and provided here;

TOXIC SUBSTANCE REDUCTION PLAN

PILKINGTON GLASS OF CANADA, PILKINGTON CANADA LIMITED – COLLINGWOOD, ON

As of February 13, 2017, I, Brian Hammond, confirm that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plans are factually accurate and comply, with the exception of the regulatory deadline, with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.

[Copper (and its compounds)]



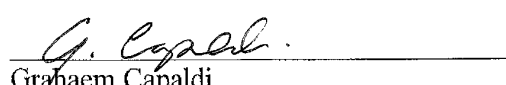
Brian J. Hammond
Senior Official – Pilkington Glass of Canada, Pilkington Canada Limited – Collingwood
(Highest Ranking Employee)

Feb 28th / 2017

Date

As of February 13, 2017, I, Grahaem Capaldi confirm that I am familiar with the processes at Pilkington Glass of Canada, Pilkington Canada Limited that use or create the toxic substance referred to below, that I agree with the estimates referred to in subparagraphs 7 iii, iv and v of subsection 4 (1) of the Toxics Reduction Act, 2009 that are set out in the plan dated Feb. 10th, 2017 and that the plans comply, with the exception of the regulatory deadline, with that Act and Ontario Regulation 455/09 (General) made under that Act.

[Copper (and its compounds)]



Grahaem Capaldi
President - Environmental Reporting Systems Limited (Toxic Substance Reduction Planner)

0063

TSRP#

Feb. 28th, 2017.

Date

Rationale for Lateness of Submission

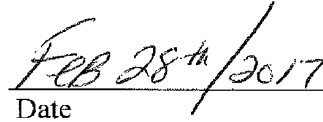
RATIONAL FOR LATENESS OF SUBMISSION

The process of initiating the Toxic Substance Reduction Planning was delayed due the pending retirement of the individual with the experience necessary for the development of the Plan and the workload associated with completing projects and training a replacement. We have completed the Toxic Substance Reduction Plan for the Substance listed below;

[Copper (and its compounds)]



Brian J. Hammond



Date

Senior Official – Pilkington Glass of Canada, Pilkington Canada Limited – Collingwood
(Highest Ranking Employee)