

## Owens Corning Canada LP - Guelph Glass Plant

### Toxics Reduction Public Summary Report

#### Facility Information

Company Name	Owens Corning Composite Materials Canada LP
Facility Name	Guelph Glass Plant
Facility Physical Address	247 York Road, Guelph, ON, N1H 6P6
Facility Mailing Address	Same as physical address
Spatial Coordinates of Facility	562054 Easting; 4821622 Northing
Number of Employees	210
NPRI ID	3287
2 Digit NAICS Code	32
4 Digit NAICS Code	3272
6 Digit NAICS Code	327214

#### Parent Company Information

Parent Company Name	OC Canada Holding Company
Address	3450 McNicoll Ave, Scarorough, Ontario, CANADA, M1V 1Z5
Percent Ownership (if available)	99.99%

#### Parent Company Information

Parent Company Name	Owens Corning Composite Materials Canada GP Inc.
Address	900-400 St. Mary Avenue, Winnipeg, Manitoba, CANADA, R3C 4K5
Percent Ownership (if available)	0.01%

#### Facility Contact

Public Contact	Rob Nixon
Position	Maintenance & Engineering Leader
Address	247 York Street, Guelph, ON, CANADA, N1E 3G4
email	Robert.D.Nixon@owenscorning.com
Phone	519-823-7219
Fax	519-823-7204

#### Date of Summary

Reporting Year	2013
Summary Date	June 1, 2014

#### Phase 1 Toxics Substances Reported

Chromium, Hydrochloric Acid

#### Phase 2 Toxics Substances Reported

PM10, PM2.5, Sulphur Dioxide, Nitrogen Oxides

#### Copy of Certification:

As of June 1, 2014, I certify that I have read the report on the toxic substance reduction plan(s) for the toxics listed above and am familiar with their contents and to my knowledge the information contained in the report(s) is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.

The original version of this report is signed off by:

**Highest Ranking Employee:** Charles White

Title: Plant Leader



30-May-14

Signed

Dated

## Owens Corning Canada LP - Guelph Glass Plant

### Toxics Reduction Public Summary Report

#### Substance Information and Plan Objective

Substance Name	Chromium Compounds (Di-,Tri-,metallic)
CAS #	CAS # NA-04
Report Date:	1-Jun-14
Plan Date:	20-Dec-12
Plan Objectives and Targets	Owens Corning Composite Materials Canada LP - Guelph Glass Plant is committed to playing a leadership role in protecting the environment. Owens Corning does not intend to further reduce the use of chromium because of the success of previously implemented reduction efforts. Whenever feasible, we will eliminate, or reduce the use, creation and discharge of chromium in full compliance with all Federal and Provincial Regulations.

#### Toxics Substance Accounting and Comparison

Pathways	2012	2013	Delta	Delta %
Units reported	tonnes	tonnes		
U - Enters the Process (Raw Materials)	>1 to 10	>10 to 100	>1 to 10	298%
C - Created	0	0	0	NA
P - In a product that leaves the process	>1 to 10	>1 to 10	>0 to -1	-6%
Summary of reasons for changes between current year and previous year.	Routine Refractory Replacement (Maintenance)			

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at <http://www.ec.gc.ca/inrp-npri/default.asp?lang=en>

#### Progress in Implementing Plan

Summary of steps taken during the previous calendar year to implement the plan and a summary of the toxics reductions achieved as a result of the steps taken.	Not Applicable
Summary of additional actions taken during the previous calendar year that impacted the toxic, and a summary of the steps and toxics reductions achieved as a result of those actions.	Not Applicable
Summary of differences between steps taken and those set out in the plan.	Not Applicable
Description of amendments to the plan.	Not Applicable

## Owens Corning Canada LP - Guelph Glass Plant

### Toxics Reduction Public Summary Report

#### Substance Information and Plan Objective

Substance Name	HYDROGEN CHLORIDE
CAS #	7647-01-0
Report Date:	1-Jun-14
Plan Date:	20-Dec-12
Plan Objectives and Targets	Owens Corning Composite Materials Canada LP - Guelph Glass Plant is committed to playing a leadership role in protecting the environment. Our goal is to reduce the amount of hydrochloric acid used at our facility. Whenever feasible, we will eliminate, or reduce the use, creation and discharge of hydrochloric acid in full compliance with all Federal and Provincial Regulations.

#### Toxics Substance Accounting and Comparison

Pathways	2012	2013	Delta	Delta %
Units reported	tonnes	tonnes		
U - Enters the Process (Raw Materials)	>10 to 100	>10 to 100	> -1 to -10	-17%
C - Created	>0 to 1	>0 to 1	>0 to -1	-6%
P - In a product that leaves the process	0	0	0	NA
Summary of reasons for changes between current year and previous year.	Decrease in Production			

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at <http://www.ec.gc.ca/inrp-npri/default.asp?lang=en>

#### Progress in Implementing Plan

Summary of steps taken during the previous calendar year to implement the plan and a summary of the toxics reductions achieved as a result of the steps taken.	None
Summary of additional actions taken during the previous calendar year that impacted the toxic, and a summary of the steps and toxics reductions achieved as a result of those actions.	None
Summary of differences between steps taken and those set out in the plan.	All steps postponed for 2014 implementation
Description of amendments to the plan.	None

## Owens Corning Canada LP - Guelph Glass Plant

### Toxics Reduction Public Summary Report

#### Substance Information and Plan Objective

Substance Name	PM10 - PARTICULATE MATTER <=10MICRONS
CAS #	N/A - M09
Report Date:	1-Jun-14
Plan Date:	18-Dec-13
Plan Objectives and Targets	Owens Corning Composite Materials Canada LP - Guelph Glass Plant is committed to playing a leadership role in protecting the environment. Whenever feasible, we will eliminate, or reduce the creation and discharge of PM10 in full compliance with all Federal and Provincial Regulations.

#### Toxics Substance Accounting and Comparison

Pathways	2012	2013	Delta	Delta %
Units reported	tonnes	tonnes		
U - Enters the Process (Raw Materials)	0	0	0	NA
C - Created	>10 to 100	>10 to 100	>0 to -1	-6%
P - In a product that leaves the process	0	0	0	NA
Summary of reasons for changes between current year and previous year.	Decrease in Production			

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at <http://www.ec.gc.ca/inrp-npri/default.asp?lang=en>

#### Progress in Implementing Plan

Summary of steps taken during the previous calendar year to implement the plan and a summary of the toxics reductions achieved as a result of the steps taken.	Not Applicable
Summary of additional actions taken during the previous calendar year that impacted the toxic, and a summary of the steps and toxics reductions achieved as a result of those actions.	Not Applicable
Summary of differences between steps taken and those set out in the plan.	Not Applicable
Description of amendments to the plan.	Not Applicable

## Owens Corning Canada LP - Guelph Glass Plant

### Toxics Reduction Public Summary Report

#### Substance Information and Plan Objective

Substance Name	PM2.5 - PARTICULATE MATTER <=2.5MICRONS
CAS #	N/A - M10
Report Date:	1-Jun-14
Plan Date:	18-Dec-13
Plan Objectives and Targets	Owens Corning Composite Materials Canada LP - Guelph Glass Plant is committed to playing a leadership role in protecting the environment. Whenever feasible, we will eliminate, or reduce the creation and discharge of PM2.5 in full compliance with all Federal and Provincial Regulations.

#### Toxics Substance Accounting and Comparison

Pathways	2012	2013	Delta	Delta %
Units reported	tonnes	tonnes		
U - Enters the Process (Raw Materials)	0	0	0	NA
C - Created	>10 to 100	>10 to 100	>0 to -1	-6%
P - In a product that leaves the process	0	0	0	NA
Summary of reasons for changes between current year and previous year.	Decrease in Production			

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at <http://www.ec.gc.ca/inrp-npri/default.asp?lang=en>

#### Progress in Implementing Plan

Summary of steps taken during the previous calendar year to implement the plan and a summary of the toxics reductions achieved as a result of the steps taken.	Not Applicable
Summary of additional actions taken during the previous calendar year that impacted the toxic, and a summary of the steps and toxics reductions achieved as a result of those actions.	Not Applicable
Summary of differences between steps taken and those set out in the plan.	Not Applicable
Description of amendments to the plan.	Not Applicable

## Owens Corning Canada LP - Guelph Glass Plant

### Toxics Reduction Public Summary Report

#### Substance Information and Plan Objective

Substance Name	NITROGEN OXIDES (EXPRESSED AS NO2)
CAS #	10102-44-0
Report Date:	1-Jun-14
Plan Date:	18-Dec-13
Plan Objectives and Targets	Owens Corning Composite Materials Canada LP - Guelph Glass Plant is committed to playing a leadership role in protecting the environment. Whenever feasible, we will eliminate, or reduce the creation and discharge of NOx in full compliance with all Federal and Provincial Regulations.

#### Toxics Substance Accounting and Comparison

Pathways	2012	2013	Delta	Delta %
Units reported	tonnes	tonnes		
U - Enters the Process (Raw Materials)	0	0	0	NA
C - Created	>10 to 100	>10 to 100	>1 to 10	4%
P - In a product that leaves the process	0	0	0	NA
Summary of reasons for changes between current year and previous year.	No Significant Change			

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at <http://www.ec.gc.ca/inrp-npri/default.asp?lang=en>

#### Progress in Implementing Plan

Summary of steps taken during the previous calendar year to implement the plan and a summary of the toxics reductions achieved as a result of the steps taken.	Not Applicable
Summary of additional actions taken during the previous calendar year that impacted the toxic, and a summary of the steps and toxics reductions achieved as a result of those actions.	Not Applicable
Summary of differences between steps taken and those set out in the plan.	Not Applicable
Description of amendments to the plan.	Not Applicable

## Owens Corning Canada LP - Guelph Glass Plant

### Toxics Reduction Public Summary Report

#### Substance Information and Plan Objective

Substance Name	SULPHUR DIOXIDE
CAS #	7446-09-5
Report Date:	1-Jun-14
Plan Date:	18-Dec-13
Plan Objectives and Targets	Owens Corning Composite Materials Canada LP - Guelph Glass Plant is committed to playing a leadership role in protecting the environment. Whenever feasible, we will eliminate, or reduce the creation and discharge of SO2 in full compliance with all Federal and Provincial Regulations.

#### Toxics Substance Accounting and Comparison

Pathways	2012	2013	Delta	Delta %
Units reported	tonnes	tonnes		
U - Enters the Process (Raw Materials)	0	0	0	NA
C - Created	>10 to 100	>10 to 100	> -1 to -10	-7%
P - In a product that leaves the process	0	0	0	NA
Summary of reasons for changes between current year and previous year.	Decrease in Production			

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at <http://www.ec.gc.ca/inrp-npri/default.asp?lang=en>

#### Progress in Implementing Plan

Summary of steps taken during the previous calendar year to implement the plan and a summary of the toxics reductions achieved as a result of the steps taken.	Not Applicable
Summary of additional actions taken during the previous calendar year that impacted the toxic, and a summary of the steps and toxics reductions achieved as a result of those actions.	Not Applicable
Summary of differences between steps taken and those set out in the plan.	Not Applicable
Description of amendments to the plan.	Not Applicable