# 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

210

3287

3272

327214

32

|            | 6 Digit NAICS Code |
|------------|--------------------|
| Parent Com | nany Information   |

NPRI ID

Facility Physical Address

Spatial Coordinates of Facility

Facility Mailing Address

Number of Employees

2 Digit NAICS Code

4 Digit NAICS Code

| illiand in the second s |   |
|--|---|
| Parent Company Name  | OC Canada Holding Company                               |
| Address  | 3450 McNicoll Ave, Scarorough, Ontario, CANADA, M1V 1Z5 |
| Percent Ownership (if available)   | 99.99%  |

Same as physical address

247 York Road, Guelph, ON, N1H 6P6

562054 Easting: 4821622 Northing

## **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

| " | itact          |  |
|---|----------------|--|
|   | Public Contact | Rob Nixon                                    |
|   | Position       | Plant Manager                                |
|   | 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 | 2015         |
|----------------|--------------|
| Summary Date   | June 1, 2016 |

# Phase 1 Toxics Substances Reported

Chromium

# Phase 2 Toxics Substances Reported

PM10, PM2.5, Nitrogen Oxides, Sulphur Dioxide

# Copy of Certification:

As of June 1, 2016, 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: Rob Nixon

Robert of

Title: Plant Leader

June 1, 2016

Signed Dated

|                | Owens Corning (   | Canada I P - Gi     | ıelnh Glass Pla          | nt                |                 |  |  |
|----------------|---|---------------------|--------------------------|-------------------|-----------------|--|--|
|                | Owens Corning Canada LP - Guelph Glass Plant  Toxics Reduction Public Summary Report  |                     |                          |                   |                 |  |  |
| Substance Info | rmation and Plan Objective  |                     |                          |                   |                 |  |  |
|                | ostance Name  | Chromium Compou     | ınds (Di-,Tri-,metallic) | )                 |                 |  |  |
| CAS            | S#  | CAS # NA-04         | , , , ,                  |                   |                 |  |  |
| Rep            | oort Date:  | 1-Jun-16            |                          |                   |                 |  |  |
|                | n Date:   | 20-Dec-12           |                          |                   |                 |  |  |
| Plar           | 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 Substan | nce Accounting and Comparison   | •                   |                          |                   |                 |  |  |
|                | hways   | 2014                | 2015                     | Delta             | Delta %         |  |  |
|                | ts reported   | tonnes              | tonnes                   |                   |                 |  |  |
|                | Enters the Process (Raw Materials)  | >1 to 10            | >1 to 10                 | >0 to 1           | 3%              |  |  |
|                | Created   | 0                   | 0                        | 0                 | NA              |  |  |
| P - I          | In a product that leaves the process  | >1 to 10            | >1 to 10                 | >0 to 1           | 2%              |  |  |
|                | mmary of reasons for changes between rent year and previous year.   | Refractory replacer | ment not required in 2   | 014. Decreased pr | oduction.       |  |  |
| can            | -site releases from the facility to air, wan be viewed by searching for this facility plementing Plan   |                     |                          |                   | -site recycling |  |  |
| imp            | mmary of steps taken during the previous callement the plan and a summary of the toxical ieved as a result of the steps taken.  |                     | Not Applicable           |                   |                 |  |  |
| yea            | 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.  |                     |                          |                   |                 |  |  |
|                | Summary of differences between steps taken and those set out in the plan.  Not Applicable   |                     |                          |                   |                 |  |  |
|                |   |                     |                          |                   |                 |  |  |

|  | Owens Corning  | Canada LP - Gu  | uelph Glass Pla | ant              |                             |  |  |
|--|--|---|-----------------|------------------|-----------------------------|--|--|
|  | Toxics Reduction Public Summary Report   |   |                 |                  |                             |  |  |
| Substanc   | ce Information and Plan Objective  |   |                 |                  |                             |  |  |
|  | Substance Name   | PM10 - PARTICUL   | ATE MATTER <=10 | MICRONS          |                             |  |  |
|  | CAS #  | N/A - M09   |                 |                  |                             |  |  |
|  | Report Date:   | 1-Jun-16  |                 |                  |                             |  |  |
|  | Plan Date:   | 18-Dec-13   |                 |                  |                             |  |  |
| 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 PM10 in full compliance with all Federal and Provincial Regulations. |  |   |                 |                  | ronment.<br>and discharge o |  |  |
| oxics S  | ubstance Accounting and Comparison   |   |                 |                  |                             |  |  |
|  | Pathways   | 2014  | 2015            | Delta            | Delta %                     |  |  |
|  | Units reported   | tonnes  | tonnes          |                  |                             |  |  |
|  | U - Enters the Process (Raw Materials)   | 0   | 0               | 0                | NA 148                      |  |  |
|  | C - Created P - In a product that leaves the process   | >10 to 100  | >10 to 100      | > -1 to -10<br>0 | -11%<br>NA                  |  |  |
|  | Summary of reasons for changes between current year and previous year.  On-site releases from the facility to air, w.  | No significant change  ity to air, water and land, as well as on and off-site disposal and off-site recycling |                 |                  |                             |  |  |
| rogress'   | can be viewed by searching for this facilit  |   |                 | •                |                             |  |  |
|  | 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  |   |                 |                  |                             |  |  |
|  |  |   |                 |                  |                             |  |  |

|  | Owens Corning (   | Canada LP - Gı           | uelph Glass Pla | int      |                 |  |  |
|--|---|--------------------------|-----------------|----------|-----------------|--|--|
| Toxics Reduction Public Summary Report |   |                          |                 |          |                 |  |  |
| Substance Inforr                       | mation and Plan Objective   |                          |                 |          |                 |  |  |
|  | stance Name   | PM2.5 - PARTICUL         | ATE MATTER <=2. | 5MICRONS |                 |  |  |
| CAS                                    | #   | N/A - M10                |                 |          |                 |  |  |
| Repo                                   | ort Date:   | 1-Jun-16                 |                 |          |                 |  |  |
| Plan                                   | Date:   | 18-Dec-13                |                 |          |                 |  |  |
| Plan                                   | 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 PM2.5 in full compliance with all Federal and Provincial Regulations. |                          |                 |          |                 |  |  |
| Toxics Substanc                        | ce Accounting and Comparison  |                          |                 |          |                 |  |  |
| Pathy                                  |   | 2014                     | 2015            | Delta    | Delta %         |  |  |
|  | reported  | tonnes                   | tonnes          |          |                 |  |  |
|  | nters the Process (Raw Materials)   | 0                        | 0               | 0        | NA              |  |  |
|  | reated  | >10 to 100               | >10 to 100      | >0 to -1 | -6%             |  |  |
| P - In                                 | a product that leaves the process   | 0                        | 0               | 0        | NA              |  |  |
|  | mary of reasons for changes between ent year and previous year.   | en No significant change |                 |          |                 |  |  |
|  | site releases from the facility to air, wa be viewed by searching for this facility lementing Plan  |                          |                 |          | -site recycling |  |  |
| imple                                  | mary of steps taken during the previous coment the plan and a summary of the toxic eved as a result of the steps taken.   |                          | Not Applicable  |          |                 |  |  |
| year                                   | 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   |                          |                 |          |                 |  |  |

| Owens  | Corning (   | Canada LP - Gı     | uelph Glass Pla | ınt     |                 |  |
|--|---|--------------------|-----------------|---------|-----------------|--|
| Toxics Reduction Public Summary Report   |   |                    |                 |         |                 |  |
| Substance Information and Plan Objective   | <u> </u>  |                    |                 |         |                 |  |
| Substance Name   |   | NITROGEN OXIDE     | S (EXPRESSED AS | S NO2)  |                 |  |
| CAS#   |   | 10102-44-0         |                 | - /     |                 |  |
| Report Date:   |   | 1-Jun-16           |                 |         |                 |  |
| 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 NOx in full compliance with all Federal and Provincial Regulations. |                    |                 |         |                 |  |
| Toxics Substance Accounting and Compa  | rison   | •                  |                 |         |                 |  |
| Pathways   |   | 2014               | 2015            | Delta   | Delta %         |  |
| Units reported   |   | tonnes             | tonnes          |         |                 |  |
| U - Enters the Process (Raw Mater  | ials)   | 0                  | 0               | 0       | NA              |  |
| C - Created  |   | >10 to 100         | >10 to 100      | >0 to 1 | 0%              |  |
| P - In a product that leaves the pro   | cess  | 0                  | 0               | 0       | NA              |  |
| Summary of reasons for change current year and previous year.                                  | s between   | Decrease in produc | etion.          |         |                 |  |
| On-site releases from the fac<br>can be viewed by searching f<br>Progress in Implementing Plan |   | •                  |                 | •       | -site recycling |  |
| implement the plan and a summ  | 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  |                    |                 |         |                 |  |
| year that impacted the toxic, and  | 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.  |                    |                 |         |                 |  |
| Summary of differences between the plan.   | Summary of differences between steps taken and those set out in the plan.   |                    |                 |         |                 |  |

Description of amendments to the plan.

Not Applicable

| Owens Corn  | ing Canada LP - G  | uelph Glass Pla | ant     |                 |  |  |
|---|--|-----------------|---------|-----------------|--|--|
| Toxics Reduction Public Summary Report  |  |                 |         |                 |  |  |
| Substance Information and Plan Objective  |  |                 |         |                 |  |  |
| Substance Name  | SULPHUR DIOXID   | )E              |         |                 |  |  |
| CAS#  | 7446-09-5  |                 |         |                 |  |  |
| Report Date:  | 1-Jun-16   |                 |         |                 |  |  |
| 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 SO2 in full compliance with all Federal and Provincial Regulations. |  |                 |         |                 |  |  |
| Toxics Substance Accounting and Comparison  |  |                 |         |                 |  |  |
| Pathways  | 2014   | 2015            | Delta   | Delta %         |  |  |
| Units reported  | tonnes   | tonnes          |         |                 |  |  |
| U - Enters the Process (Raw Materials)  | 0  | 0               | 0       | NA              |  |  |
| C - Created P - In a product that leaves the process  | >10 to 100   | >10 to 100      | >0 to 1 | 2%<br>NA        |  |  |
| Summary of reasons for changes between current year and previous year.  | en Decrease in production  |                 |         |                 |  |  |
| On-site releases from the facility to ai can be viewed by searching for this factorized rogress in Implementing Plan  |  |                 |         | -site recycling |  |  |
| Summary of steps taken during the previous implement the plan and a summary of the achieved as a result of the steps taken.   |  | Not Applicable  |         |                 |  |  |
| year that impacted the toxic, and a summ  | 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. |                 |         |                 |  |  |
|   | Summary of differences between steps taken and those set out in the plan.  Not Applicable  |                 |         |                 |  |  |