## **Toxics Reduction Public Summary Report**

ΙΟΧΙ	cs 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	99.9978
	Owene Corning Composite Materials Canada CD Inc
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	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 Summary Date	2014 June 1, 2015
Phase 1 Toxics Substances Reported Chromium, Hydrochloric Acid Phase 2 Toxics Substances Reported PM10, PM2.5, Sulphur Dioxide, Nitr	rogen Oxides
Copy of Certification:	
am familiar with their contents and to my kno complies with the Toxics Reduction Act, 200	the report on the toxic substance reduction plan(s) for the toxics listed above and owledge the information contained in the report(s) is factually accurate and 9 and Ontario Regulation 455/09 (General) made under that Act.
The original version of this report is signed o	iff by:
Highest Ranking Employee: Rob Nixon	
Title: Plant Leader	
hel m	25-May-15
Signed	Dated

I OXICS REDUCTION PUBLIC SUMMARY REPORT	<b>Toxics Reduction Public Summary Re</b>	eport
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e Information and Plan Objective Substance Name	Chromium Compo	unds (Di-,Tri-,metall	ic)	
CAS #	CAS # NA-04			
Report Date:	1-Jun-15			
Plan Date:	20-Dec-12			
Plan Objectives and Targets	committed to playir Corning does not ir success of previou will eliminate, or re-	ng a leadership role ntend to further redu sly implemented red	Canada LP - Guelph in protecting the env uce the use of chrom duction efforts. When on and discharge of acial Regulations.	rironment. Owe ium because o never feasible,
bstance Accounting and Comparison				
Pathways	2013	2014	Delta	Delta %
Units reported	tonnes	tonnes		
U - Enters the Process (Raw Materials)	>10 to 100	>1 to 10	> -1 to -10	-80%
C - Created	0	0	0	NA
P - In a product that leaves the process	>1 to 10	>1 to 10	>0 to -1	-15%
Summary of reasons for changes between	Refractory replace	ment not required in		
current year and previous year. On-site releases from the facility to air, was be viewed by searching for this facility at	ater and land, as w	ell as on and off-si	2014. Decreased p	roduction.
current year and previous year. On-site releases from the facility to air, wa	ater and land, as whether and land, as whether and land, as whether a second structure and the second structure and the second structure at the second	ell as on and off-si	2014. Decreased p	roduction.
current year and previous year. On-site releases from the facility to air, we be viewed by searching for this facility at <b>In Implementing Plan</b> Summary of steps taken during the previous implement the plan and a summary of the top	ater and land, as we http://www.ec.gc.ca calendar year to kics reductions he previous summary of the	ell as on and off-si a/inrp-npri/default.a	2014. Decreased p	roduction.
current year and previous year. On-site releases from the facility to air, we be viewed by searching for this facility at In Implementing Plan Summary of steps taken during the previous implement the plan and a summary of the top achieved as a result of the steps taken. Summary of additional actions taken during the calendar year that impacted the toxic, and a	ater and land, as whether and land, as whether and land, as whether a subscription of the summary of the sult of those actions.	ell as on and off-si a/inrp-npri/default.a Not Applicable	2014. Decreased p	roduction.

	Canada LP - G	_		
Toxics Redu	ction Public Sur	nmary Report		
ce Information and Plan Objective				
Substance Name	HYDROGEN CHLO	ORIDE		
CAS #	7647-01-0			
Report Date:	1-Jun-15			
Plan Date:	20-Dec-12			
	Owens Cornina Co	mposite Materials C	anada LP - Guelph (	Glass Plant is
	committed to playing a leadership role in protecting the environment of hydrochloric acid used at our fa		ironment. Our	
Plan Objectives and Targets		minate, or reduce the		
	-	full compliance with		•
	Regulations.			Viriolar
bubstance Accounting and Comparison	rtogulationo.			
Pathways	2013	2014	Delta	Delta %
Units reported	tonnes	tonnes	20114	Dena 70
U - Enters the Process (Raw Materials)	>10 to 100	>10 to 100	> -1 to -10	-22%
C - Created	>0 to 1	>0 to 1	>0 to -1	-15%
P - In a product that leaves the process	0	0	0	NA
On-site releases from the facility to air, wa be viewed by searching for this facility at l			-	site recycling
be viewed by searching for this facility at h s in Implementing Plan Summary of steps taken during the previous implement the plan and a summary of the tox	http://www.ec.gc.ca	a/inrp-npri/default.a	-	stead of deior
be viewed by searching for this facility at H s in Implementing Plan Summary of steps taken during the previous	http://www.ec.gc.ca calendar year to kics reductions	a/inrp-npri/default.a	sp?lang=en se of hot tap water in hat don't impact prod	stead of deior duct quality.
be viewed by searching for this facility at h s in Implementing Plan Summary of steps taken during the previous implement the plan and a summary of the tox	http://www.ec.gc.ca calendar year to kics reductions <b>Pathways</b>	a/inrp-npri/default.a	sp?lang=en se of hot tap water in hat don't impact proc tonnes	istead of deior duct quality. %
be viewed by searching for this facility at h s in Implementing Plan Summary of steps taken during the previous implement the plan and a summary of the tox	http://www.ec.gc.ca calendar year to kics reductions <b>Pathways</b> Used	a/inrp-npri/default.a	sp?lang=en se of hot tap water in hat don't impact proc tonnes 0.480	stead of deior duct quality. <u>%</u> 3.06%
be viewed by searching for this facility at h s in Implementing Plan Summary of steps taken during the previous implement the plan and a summary of the tox	http://www.ec.gc.ca calendar year to kics reductions Pathways Used Created	a/inrp-npri/default.a Implemented the us water for activities t	sp?lang=en se of hot tap water in hat don't impact proc tonnes 0.480 N/A	stead of deior duct quality. <u>%</u> 3.06% N/A
be viewed by searching for this facility at here in Implementing Plan Summary of steps taken during the previous implement the plan and a summary of the tox achieved as a result of the steps taken.	http://www.ec.gc.ca calendar year to kics reductions Pathways Used Created Contained in Prod	a/inrp-npri/default.a Implemented the us water for activities t	sp?lang=en se of hot tap water in hat don't impact proc tonnes 0.480 N/A N/A	istead of deior duct quality. <u>%</u> <u>3.06%</u> <u>N/A</u> N/A
be viewed by searching for this facility at he s in Implementing Plan Summary of steps taken during the previous implement the plan and a summary of the tox achieved as a result of the steps taken.	http://www.ec.gc.ca calendar year to kics reductions Pathways Used Created Contained in Prod On-Site Releases	a/inrp-npri/default.a Implemented the us water for activities t uct to Air	sp?lang=en se of hot tap water in hat don't impact prod 0.480 N/A N/A N/A	istead of deior duct quality. <u>%</u> <u>3.06%</u> <u>N/A</u> <u>N/A</u> N/A
be viewed by searching for this facility at here in Implementing Plan Summary of steps taken during the previous implement the plan and a summary of the tox achieved as a result of the steps taken.	http://www.ec.gc.ca calendar year to kics reductions Pathways Used Created Contained in Prod On-Site Releases On-Site Releases	a/inrp-npri/default.a Implemented the us water for activities t uct to Air to Water	sp?lang=en se of hot tap water in hat don't impact proc 0.480 N/A N/A N/A N/A N/A	stead of deior duct quality. <u>%</u> 3.06% N/A N/A N/A N/A N/A
be viewed by searching for this facility at he s in Implementing Plan Summary of steps taken during the previous implement the plan and a summary of the tox achieved as a result of the steps taken.	http://www.ec.gc.ca calendar year to kics reductions Pathways Used Created Contained in Prod On-Site Releases On-Site Releases On-Site Releases	a/inrp-npri/default.a Implemented the us water for activities t uct to Air to Water	sp?lang=en se of hot tap water in hat don't impact prod 0.480 N/A N/A N/A N/A N/A N/A N/A	stead of deior duct quality. <u>%</u> <u>3.06%</u> <u>N/A</u> <u>N/A</u> <u>N/A</u> <u>N/A</u> <u>N/A</u>
be viewed by searching for this facility at he s in Implementing Plan Summary of steps taken during the previous implement the plan and a summary of the tox achieved as a result of the steps taken.	http://www.ec.gc.ca calendar year to kics reductions Pathways Used Created Contained in Prod On-Site Releases On-Site Releases Disposal On-Site	a/inrp-npri/default.a Implemented the us water for activities t uct to Air to Water	sp?lang=en se of hot tap water in hat don't impact prod 0.480 N/A N/A N/A N/A N/A N/A N/A N/A	stead of deior duct quality. 3.06% N/A N/A N/A N/A N/A N/A N/A
be viewed by searching for this facility at he s in Implementing Plan Summary of steps taken during the previous implement the plan and a summary of the tox achieved as a result of the steps taken.	http://www.ec.gc.ca calendar year to kics reductions Pathways Used Created Contained in Prod On-Site Releases On-Site Releases Disposal On-Site Disposal Off-Site	a/inrp-npri/default.a Implemented the us water for activities t uct to Air to Water to Land	sp?lang=en se of hot tap water in hat don't impact proc 0.480 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	stead of deior duct quality. <u>%</u> <u>3.06%</u> <u>N/A</u> <u>N/A</u> <u>N/A</u> <u>N/A</u> <u>N/A</u> <u>N/A</u> <u>N/A</u>
be viewed by searching for this facility at he s in Implementing Plan Summary of steps taken during the previous implement the plan and a summary of the tox achieved as a result of the steps taken.	http://www.ec.gc.ca calendar year to kics reductions Pathways Used Created Contained in Prod On-Site Releases On-Site Releases Disposal On-Site	a/inrp-npri/default.a Implemented the us water for activities t uct to Air to Water to Land	sp?lang=en se of hot tap water in hat don't impact prod 0.480 N/A N/A N/A N/A N/A N/A N/A N/A	stead of deior duct quality. 3.06% N/A N/A N/A N/A N/A N/A N/A
be viewed by searching for this facility at he s in Implementing Plan Summary of steps taken during the previous implement the plan and a summary of the tox achieved as a result of the steps taken.	http://www.ec.gc.ca calendar year to kics reductions Pathways Used Created Contained in Prod On-Site Releases On-Site Releases On-Site Releases Disposal On-Site Disposal Off-Site Transfer Off-Site finhe previous summary of the	a/inrp-npri/default.a Implemented the us water for activities t uct to Air to Water to Land	sp?lang=en se of hot tap water in hat don't impact proc 0.480 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	stead of deior duct quality. <u>%</u> 3.06% N/A N/A N/A N/A N/A N/A N/A N/A
be viewed by searching for this facility at H s in Implementing Plan Summary of steps taken during the previous implement the plan and a summary of the tox achieved as a result of the steps taken. Summary of the toxics reductions achieved as a result of the steps taken Summary of additional actions taken during the calendar year that impacted the toxic, and a statement of the steps taken the toxic of the steps taken the toxic of the steps taken during the steps taken the toxic of the steps taken during the steps taken the steps taken during the steps taken the toxic of the steps taken during the steps taken the toxic of the steps taken during taken during the steps taken during taken	http://www.ec.gc.ca calendar year to kics reductions Pathways Used Created Contained in Prod On-Site Releases On-Site Releases On-Site Releases Disposal On-Site Disposal Off-Site Transfer Off-Site finhe previous summary of the sult of those actions.	a/inrp-npri/default.a Implemented the us water for activities t uct to Air to Water to Land or Recycling	sp?lang=en se of hot tap water in hat don't impact proc 0.480 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	stead of deior duct quality. <u>%</u> 3.06% N/A N/A N/A N/A N/A N/A N/A N/A

### **Toxics Reduction Public Summary Report**

Substance Name	PM10 - PARTICUL	ATE MATTER <=10	MICRONS	
CAS #	N/A - M09			
Report Date:	1-Jun-15			
Plan Date:	18-Dec-13			
Plan Objectives and Targets	committed to playir Whenever feasible	omposite Materials Cang a leadership role i a, we will eliminate, or iance with all Federa	n protecting the env reduce the creation	vironment. n and discharg
ubstance Accounting and Comparison				
Pathways	2013	2014	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	-2%
P - In a product that leaves the process	0	0	0	NA
current year and previous year.	en No significant char	-		
	ir, water and land, as w	ell as on and off-sit		-site recycling
current year and previous year. On-site releases from the facility to a be viewed by searching for this facility	ir, water and land, as w y at http://www.ec.gc.ca	ell as on and off-sit		-site recyclin
current year and previous year. On-site releases from the facility to a be viewed by searching for this facility in Implementing Plan Summary of steps taken during the prev implement the plan and a summary of the	ir, water and land, as w y at http://www.ec.gc.ca ious calendar year to the toxics reductions	ell as on and off-sit a/inrp-npri/default.as		-site recycling
current year and previous year. On-site releases from the facility to a be viewed by searching for this facility in Implementing Plan Summary of steps taken during the prev implement the plan and a summary of th achieved as a result of the steps taken. Summary of additional actions taken dur calendar year that impacted the toxic, ar	ir, water and land, as w y at http://www.ec.gc.ca ious calendar year to the toxics reductions ing the previous a summary of the a result of those actions.	ell as on and off-sit a/inrp-npri/default.as		-site recyclin

## **Toxics Reduction Public Summary Report**

e Information and Plan Objective Substance Name	PM2 5 - PARTICUI	LATE MATTER <=2.	5MICRONS	
CAS #	N/A - M10			
Report Date:	1-Jun-15			
Plan Date:	18-Dec-13			
Plan Objectives and Targets	committed to playir Whenever feasible	omposite Materials Ca ng a leadership role in e, we will eliminate, or liance with all Federa	n protecting the env reduce the creatio	/ironment. n and dischar
bstance Accounting and Comparison				
Pathways	2013	2014	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	-1%
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 chan	-	e disposal and off	-site recyclin
current year and previous year. On-site releases from the facility to air, be viewed by searching for this facility	, water and land, as we	ell as on and off-site		-site recyclin
current year and previous year. On-site releases from the facility to air,	, water and land, as we at http://www.ec.gc.ca	ell as on and off-site		-site recycling
current year and previous year. On-site releases from the facility to air, be viewed by searching for this facility in Implementing Plan Summary of steps taken during the previo implement the plan and a summary of the	water and land, as we at http://www.ec.gc.ca ous calendar year to toxics reductions	ell as on and off-site a/inrp-npri/default.as		-site recyclin
current year and previous year. On-site releases from the facility to air, be viewed by searching for this facility in Implementing Plan Summary of steps taken during the previo implement the plan and a summary of the achieved as a result of the steps taken. Summary of additional actions taken durin calendar year that impacted the toxic, and	water and land, as we at http://www.ec.gc.ca ous calendar year to toxics reductions ng the previous a summary of the result of those actions.	ell as on and off-site a/inrp-npri/default.as		-site recyclin

## **Toxics Reduction Public Summary Report**

Substance Name	NITROGEN OXIDE	ES (EXPRESSED AS	S NO2)	
CAS #	10102-44-0			
Report Date:	1-Jun-15			
Plan Date:	18-Dec-13			
Plan Objectives and Targets	committed to playin Whenever feasible	mposite Materials C ng a leadership role , we will eliminate, o nce with all Federal	in protecting the env r reduce the creatior	ironment. h and discharg
Substance Accounting and Comparison				
Pathways	2013	2014	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	-8%
P - In a product that leaves the process	0	0	0	NA
Summary of reasons for changes betwee current year and previous year.	Decrease in produc	ction.		
current year and previous year. On-site releases from the facility to a be viewed by searching for this facili	air, water and land, as we	ell as on and off-sit	•	site recycling
current year and previous year. On-site releases from the facility to a	air, water and land, as we ity at http://www.ec.gc.ca	ell as on and off-sit	•	site recyclinc
current year and previous year. On-site releases from the facility to a be viewed by searching for this facili ss in Implementing Plan Summary of steps taken during the pre implement the plan and a summary of t	air, water and land, as we ity at http://www.ec.gc.ca vious calendar year to the toxics reductions uring the previous and a summary of the	ell as on and off-sit ı/inrp-npri/default.a	•	site recycling
current year and previous year. On-site releases from the facility to a be viewed by searching for this facili ss in Implementing Plan Summary of steps taken during the pre implement the plan and a summary of t achieved as a result of the steps taken. Summary of additional actions taken du calendar year that impacted the toxic, a	air, water and land, as we ity at http://www.ec.gc.ca evious calendar year to the toxics reductions uring the previous and a summary of the s a result of those actions.	ell as on and off-sit ı/inrp-npri/default.a Not Applicable	•	site recycling

## **Toxics Reduction Public Summary Report**

Substance	Information	and Plan	Objective

ance	nformation and Plan Objective	
	Substance Name	SULPHUR DIOXIDE
	CAS #	7446-09-5
	Report Date:	1-Jun-15
	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

istance Accounting and comparison				
Pathways	2013	2014	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	-14%
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 produc	ction		

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