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 3450 McNicoll Ave, Scarorough, Ontario, CANADA, M1V 1Z5 Address Percent Ownership (if available) 99.99% **Parent Company Information** Parent Company Name Owens Corning Composite Materials Canada GP Inc. 900-400 St. Mary Avenue, Winnipeg, Manitoba, CANADA, R3C 4K5 Address Percent Ownership (if available) 0.01% **Facility Contact** Public Contact Rob Nixon Plant Manager Position Address 247 York Street, Guelph, ON, CANADA, N1E 3G4 Robert.D.Nixon@owenscorning.com email Phone 519-823-7219 Fax 519-823-7204 **Date of Summary** 2016 Reporting Year Summary Date June 1, 2017 Phase 1 Toxics Substances Reported Chromium Phase 2 Toxics Substances Reported PM10, PM2.5, Nitrogen Oxides Copy of Certification:

As of June 1, 2017, 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

30-May-17

Signed Dated

Owens Cornin	g Canada LP - G	uelph Glass Pla	ant	
Toxics Re	duction Public Sur	mmary Report		
ce Information and Plan Objective				
Substance Name	Chromium Compo	unds (Di-,Tri-,metalli	c)	
CAS#	CAS # NA-04	, ,	,	
Report Date:	1-Jun-17			
Plan Date:	20-Dec-12			
Plan Objectives and Targets	Owens Corning Composite Materials Canada LP - Guelph Glass Plant committed to playing a leadership role in protecting the environment. Corning does not intend to further reduce the use of chromium becaus success of previously implemented reduction efforts. Whenever feasib will eliminate, or reduce the use, creation and discharge of chromium is compliance with all Federal and Provincial Regulations.			ironment. Ower um because of ever feasible, w
Substance Accounting and Comparison		_		
Pathways	2015	2016	Delta	Delta %
Units reported	tonnes	tonnes	10 / 100	
U - Enters the Process (Raw Materials)	>1 to 10	>10 to 100	>10 to 100	966%
C - Created P - In a product that leaves the process	0 >1 to 10	0 >1 to 10	0 >0 to -1	NA -36%
Summary of reasons for changes between current year and previous year.	Refractory change	out. Decreased prod		
On-site releases from the facility to air, be viewed by searching for this facility as in Implementing Plan Summary of steps taken during the previous implement the plan and a summary of the	at http://www.ec.gc.ca	a/inrp-npri/default.a	-	site recycling
achieved as a result of the steps taken. Summary of additional actions taken during calendar year that impacted the toxic, and steps and toxics reductions achieved as a	ne toxics reductions Not Applicable uring the previous and a summary of the Not Applicable			
Summary of differences between steps take in the plan.	taken and those set out Not Applicable			
Description of amendments to the plan.		Not Applicable		

	Owens Corning	Canada LP - Gu	uelph Glass Pla	ant	
	Toxics Redu	ıction Public Sun	nmary Report		
ubstar	nce Information and Plan Objective				
	Substance Name	PM10 - PARTICUL	ATE MATTER <=10	MICRONS	
	CAS#	N/A - M09			
	Report Date:	1-Jun-17			
	Plan Date:	18-Dec-13			
	Plan Objectives and Targets	committed to playin Whenever feasible,	Composite Materials Canada LP - Guelph Glass Playing a leadership role in protecting the environment le, we will eliminate, or reduce the creation and discipliance with all Federal and Provincial Regulations.		
oxics (Substance Accounting and Comparison	_			
	Pathways	2015	2016	Delta	Delta %
	Units reported	tonnes	tonnes	0	NIA
	U - Enters the Process (Raw Materials) C - Created	0 >10 to 100	0 >1 to 10	0 > -1 to -10	NA -41%
	P - In a product that leaves the process	0	0	0	-41% NA
	Summary of reasons for changes between current year and previous year.	Decrease in production			
'rogres	On-site releases from the facility to air, was be viewed by searching for this facility at I is in Implementing Plan			-	site recycling
'rogres	be viewed by searching for this facility at I	http://www.ec.gc.ca		-	site recycling
Progres	be viewed by searching for this facility at has in Implementing Plan Summary of steps taken during the previous implement the plan and a summary of the tox	calendar year to cics reductions he previous summary of the	/inrp-npri/default.a	-	site recycling
Progres	be viewed by searching for this facility at has 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 additional actions taken during the calendar year that impacted the toxic, and a state of the steps.	calendar year to cics reductions he previous summary of the sult of those actions.	/inrp-npri/default.a	-	site recycling

	Owens Corning	Canada LP - Gu	uelph Glass Pla	ınt	
	Toxics Redu	uction Public Sun	nmary Report		
Substar	nce Information and Plan Objective				
	Substance Name	PM2.5 - PARTICUL	ATE MATTER <=2	5MICRONS	
	CAS#	N/A - M10			
	Report Date:	1-Jun-17			
	Plan Date:	18-Dec-13			
	Plan Objectives and Targets	committed to playing Whenever feasible	Composite Materials Canada LP - Guelph Glass Planying a leadership role in protecting the environment. Ole, we will eliminate, or reduce the creation and disconpliance with all Federal and Provincial Regulations.		
oxics S	Substance Accounting and Comparison		_		
	Pathways	2015	2016	Delta	Delta %
	Units reported	tonnes	tonnes	2	NIA.
	U - Enters the Process (Raw Materials) C - Created	0 >10 to 100	0	0 > -1 to -10	NA 438/
	P - In a product that leaves the process	>10 to 100	>1 to 10	>-110-10	-42% NA
	Summary of reasons for changes between current year and previous year.	Decrease in produc	ction		
	On-site releases from the facility to air, was be viewed by searching for this facility at		ell as on and off-si	-	site recycling
rogres	On-site releases from the facility to air, wa		ell as on and off-si	-	site recycling
'rogres	On-site releases from the facility to air, was be viewed by searching for this facility at l	http://www.ec.gc.ca	ell as on and off-si	-	site recycling
Progres	On-site releases from the facility to air, was be viewed by searching for this facility at a sin 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 he previous summary of the	ell as on and off-si /inrp-npri/default.a	-	site recycling
Progres	On-site releases from the facility to air, was be viewed by searching for this facility at a sin 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 additional actions taken during the calendar year that impacted the toxic, and a state of the steps.	calendar year to kics reductions he previous summary of the sult of those actions.	ell as on and off-sit /inrp-npri/default.a Not Applicable	-	site recycling

	Owens Corning	Canada LP - Gu	uelph Glass Pla	nt	
	Toxics Redu	ıction Public Sun	nmary Report		
ubstar	nce Information and Plan Objective				
	Substance Name	NITROGEN OXIDE	S (EXPRESSED AS	NO2)	
	CAS#	10102-44-0	`	,	
	Report Date:	1-Jun-17			
	Plan Date:	18-Dec-13			
	Plan Objectives and Targets	committed to playing Whenever feasible	Corning Composite Materials Canada LP - Guelph Glass Pla ed to playing a leadership role in protecting the environment. ver feasible, we will eliminate, or reduce the creation and disc full compliance with all Federal and Provincial Regulations.		
oxics S	Substance Accounting and Comparison				
	Pathways	2015	2016	Delta	Delta %
	Units reported	tonnes	tonnes		
	U - Enters the Process (Raw Materials)	0	0	0	NA 240/
	C - Created P - In a product that leaves the process	>10 to 100	>10 to 100	> -10 to -100	-24% NA
	Summary of reasons for changes between current year and previous year.	Decrease in produc	ction.		
	On-site releases from the facility to air, we be viewed by searching for this facility at		ell as on and off-sit	-	site recycling o
rogres	On-site releases from the facility to air, wa		ell as on and off-sit	-	site recycling o
rogres	On-site releases from the facility to air, we be viewed by searching for this facility at	http://www.ec.gc.ca	ell as on and off-sit	-	site recycling (
Progres	On-site releases from the facility to air, we be viewed by searching for this facility at sin Implementing Plan Summary of steps taken during the previous implement the plan and a summary of the tox	calendar year to kics reductions he previous summary of the	ell as on and off-sit /inrp-npri/default.a	-	site recycling o
Progres	On-site releases from the facility to air, we be viewed by searching for this facility at a sin Implementing Plan Summary of steps taken during the previous implement the plan and a summary of the toy achieved as a result of the steps taken. Summary of additional actions taken during the calendar year that impacted the toxic, and a state of the steps.	calendar year to kics reductions he previous summary of the sult of those actions.	ell as on and off-sit /inrp-npri/default.a Not Applicable	-	site recycling

	Owens Corning	Canada LP - Gu	uelph Glass Pla	ant	
	Toxics Redu	ıction Public Sur	nmary Report		
ubstar	ce Information and Plan Objective				
	Substance Name	SULPHUR DIOXID	E		
	CAS#	7446-09-5			
	Report Date:	1-Jun-17			
	Plan Date:	18-Dec-13			
	Plan Objectives and Targets	Dropped below reporting threshold - Exit record submitted via SWIN			
oxics S	Substance Accounting and Comparison	2215	2010		
	Pathways	2015	2016	Delta	Delta %
	Units reported U - Enters the Process (Raw Materials)	tonnes 0	tonnes 0	0	NΙΔ
	C - Created	>10 to 100	>10 to 100	> -10 to -100	NA -46%
	P - In a product that leaves the process	0	0	0	-46% NA
	Summary of reasons for changes between	Decrease in production			
	current year and previous year.	·		to dienosal and off.s	cite recycling
rogres	,	ater and land, as we	ell as on and off-si	-	site recycling
'rogres	current year and previous year. On-site releases from the facility to air, was be viewed by searching for this facility at I	ater and land, as we http://www.ec.gc.ca	ell as on and off-si	-	site recycling
Progres	current year and previous year. On-site releases from the facility to air, was be viewed by searching for this facility at I s in Implementing Plan Summary of steps taken during the previous implement the plan and a summary of the tox	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 /inrp-npri/default.a	-	site recycling
Progres	current year and previous year. On-site releases from the facility to air, was be viewed by searching for this facility at I 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 additional actions taken during the calendar year that impacted the toxic, and a state of the steps.	calendar year to cics reductions the previous summary of the sult of those actions.	ell as on and off-si /inrp-npri/default.a Not Applicable	-	site recycling