Owens Corning Canada LP - Guelph Glass Plant Toxics Reduction Public Summary Report **Facility Information** Owens Corning Composite Materials Canada LP Company Name Guelph Glass Plant Facility Name 247 York Road, Guelph, ON, N1H 6P6 Facility Physical Address Same as physical address Facility Mailing Address 562054 Easting; 4821622 Northing Spatial Coordinates of Facility Number of Employees 3287 NPRI ID 2 Digit NAICS Code 32 3272 4 Digit NAICS Code 327214 6 Digit NAICS Code Parent Company Information OC Canada Holding Company Parent Company Name 3450 McNicoll Ave, Scarborough, Ontario, CANADA, M1V 1Z5 Address Percent Ownership (if available) Owens Corning Composite Materials Canada GP Inc. Parent Company Information 900-400 St. Mary Avenue, Winnipeg, Manitoba, CANADA, R3C 4K5 Parent Company Name Address Percent Ownership (if available) Facility Contact Jeffrey Taylor Public Contact Plant Leader Position 247 York Road, Guelph, ON, CANADA, N1E 3G4 Address Jeff.Taylor@owenscorning.com email (519)-823-7328 Phone (519)-823-7204 Fax Date of Summary 2020 Reporting Year September 30, 2021 Summary Date

Toxics Substances Reported

Chromium, PM10, PM2.5, Nitrogen Oxides

Copy of Certification:

As of September 30, 2021, 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: Jeffrey Taylor

Title: Plant Leader

Signe

69/15/202

Dated

Substance Information and Plan Objective Substance Name Chromium Compounds (Di-,Tri-,metallic) CAS # CAS # NA-04 Report Date: September 30, 2021 Plan Date: 20-Dec-12 Owens Corning Composite Materials Canada LP - Guelph Glass Plant is committed to playing a leadership role in protecting the environment. Owen Corning does not intend to further reduce the use of chromium because of 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. Foxics Substance Accounting and Comparison Pathways 2019 2020 Delta Delta % Units reported tonnes tonnes U - Enters the Process (Raw Materials) >1 to 10 >1 to 10 >0 to -1 -14% C - Created 0 0 0 0 NA P - In a product that leaves the process >1 to 10 >0 to -1 -13% Summary of reasons for changes between current year and previous year. Decrease in purchase of raw material, emission estimate update using more recent data and decrease in the amount transferred to landfill On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling calls to the process of the proces		Owens Corning	g Canada LP -	Guelph Glass Pl	ant	
Substance Information and Plan Objective Substance Name CAS # NA-04 Report Date: Plan Date: Plan Date: Plan Objectives and Targets Owens Corning Composite Materials Canada LP - Guelph Glass Plant is committed to playing a leadership role in protecting the environment. Owen Corning does not intend to further reduce the use of chromium because of success of previously implemented reducine fortors. Whenever feasible, we will eliminate, or reduce the use, creation and discharge of chromium in full compliance with all Federal and Provincial Regulations. Pathways Pathways 2019 2020 Delta Delta % Units reported tonnes tonnes U- Enters the Process (Raw Materials) Units reported tonnes tonnes U- Enters the Process (Raw Materials) Units reported to tonnes tonnes U- Enters the Process (Raw Materials) Units reported to tonnes tonnes U- Enters the Process (Raw Materials) Units reported to tonnes tonnes U- Enters the Process (Raw Materials) Units reported to tonnes tonnes U- Enters the Process (Raw Materials) Units reported to tonnes tonnes U- Enters the Process (Raw Materials) Units reported to tonnes tonnes U- Enters the Process (Raw Materials) Units reported to tonnes tonnes U- Enters the Process (Raw Materials) Units reported to the Process (Raw Materials) Units reported to the Process (Raw Materials) Units reported the tleaves the process of raw material, emission estimate update using more recent data and decrease in the amount transferred to landfill Units reported to the term of the total and decrease in the amount transferred to landfill Units reported the total transferred to landfill Units reported to the transferred t					unt	
Substance Name CAS # NA-04 Report Date: September 30, 2021 Plan Objectives and Targets Plan Objectives and Targets Owens Corning Composite Materials Canada LP - Guelph Glass Plant is committed to playing a leadership role in protecting the environment. Owen Corning does not intend to further reduce the use of chromium because of 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 Units reported U - Enters the Process (Raw Materials) U - Enters the Process (Raw Materials) V - In a product that leaves the process V - It to 10 V -	Substan	ce Information and Plan Objective		J. Helpoit		
Report Date: Report Date: Plan Date: Plan Date: Plan Date: Plan Objectives and Targets Owens Corning Composite Materials Canada LP - Guelph Glass Plant is committed to playing a leadership role in protecting the environment. Owen Corning does not intend to further reduce the use of chromium because of success of previously implemented reduction efforts. Whenever feasible, will eliminate, or reduce the use, creation and discharge of chromium in full compliance with all Federal and Provincial Regulations. Foxics Substance Accounting and Comparison Pathways Quitable Pathways Quitable Pathways Quitable Process (Raw Materials) Quitable Process (Raw Mater		Substance Name	Chromium Come	ounds /D: T:		
Plan Date: Plan Date: 20-Dec-12 20-Delta 20-D		CAS#	CAS#NA 04	ounds (Di-, Fri-, metalli	ic)	
Plan Objectives and Targets Plan Provious Plan Plan Pargetion of Plan 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 those actions. Plan Pargetion of Plan Plan Plan Plan Date Targets Plan Pargetion of Plan Plan Plan Plan Date Targets Plan Pargetion of Plan Plan Plan Plan Plan Plan Plan Plan Plan Plan Plan				004		
Plan Objectives and Targets Corning does not intend to further reduce the use of chromium because of success of previously implemented reduction efforts. Whenever feasible, will eliminate, or reduce the use, creation and discharge of chromium in full compliance with all Federal and Provincial Regulations. Oxics Substance Accounting and Comparison Pathways 2019 2020 Delta Delta % Units reported tonnes Units reported tonnes C - Created O 0 0 0 0 0 NA P - In a product that leaves the process Summary of reasons for changes between current year and previous year. On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling captions achieved as a result of the steps taken. Summary of steps taken during the previous calendar year to implement the plan 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. Description of exaculture of the analysis and intended to further reduce the use of chromium because of chromium foot intended to further reduce the use of chromium because of chromium in full concess of previously implemented reduction efforts. Whenever feasible, will eliminate, or reduce the use of chromium in full concess of previously implemented to fund full eliminate, or reduce the use of chromium in full complement. One for the steps in the steps and toxics reductions achieved as a result of the steps taken and those set out in the plan. Not Applicable		Plan Date:	20-Dec-12	021		
Units reported tonnes tonnes U-Enters the Process (Raw Materials) C- Created O O O O O NA P- In a product that leaves the process Summary of reasons for changes between current year and previous year. On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling cabe viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en Summary of steps taken during the previous calendar year to implement the plan and a summary of the steps and toxics reductions achieved as a result of the steps taken. Pascription of generalized to lones 10 O O O O NA P- In a product that leaves the process > 1 to 10 > 0 to 1 - 14% O O O O O NA P- In a product that leaves the process > 1 to 10 > 0 to 1 - 14% O O O O O O NA P- In a product that leaves the process > 1 to 10 > 0 to 1 - 14% O O O O O O NA Not Applicable Not Applicable Not Applicable Not Applicable			Corning does not success of previous will eliminate, or re-	ring a leadership role in the standard to further reduction in the standard in	in protecting the envice the use of chromuction efforts. When	vironment. Owens ium because of the
Units reported tonnes tonnes U-Enters the Process (Raw Materials) C- Created O O O O O NA P- In a product that leaves the process Summary of reasons for changes between current year and previous year. On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling cabe viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en Togress in Implementing Plan Summary of steps taken during the previous calendar year to implement the plan and a summary of the steps and toxics reductions achieved as a result of the steps taken and those set out in the plan. Description of smandweld to the toxic of smandweld to the steps taken and those set out in the plan. Description of smandweld to the toxic of smandweld to the steps taken and those set out in the plan. Description of smandweld to the toxic of the steps taken and those set out in the plan. Description of smandweld to the toxic of the steps taken and those set out in the plan. Description of smandweld to the steps taken and those set out in the plan.	oxics Su	ubstance Accounting and Comparison				
Units reported tonnes tonnes tonnes Units reported		Pathways	2019	2020	- B. II	
C - Created 0 0 0 0 NA P - In a product that leaves the process Namary of reasons for changes between current year and previous year. Decrease in purchase of raw material, emission estimate update using more recent data and decrease in the amount transferred to landfill On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling captures 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 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. Description of amount transferred to landfill Not Applicable		Units reported			Delta	Delta %
P- In a product that leaves the process Summary of reasons for changes between current year and previous year. On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling cabe viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en 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. 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. Description of speedstack of the steps taken and those set out in the plan. Not Applicable		U - Enters the Process (Raw Materials)			201-4	ALTERNATION OF THE PERSON OF T
Summary of reasons for changes between current year and previous year. On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling cabe viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en rogress 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. 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. Description of amendment the process > 1 to 10 > 0 to 1 > 1 to 10				The state of the s		The state of the s
Summary of reasons for changes between current year and previous year. On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling cabe viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en rogress 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. 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. Description of apparature to the steps taken and those set out in the plan. Description of apparature to the steps taken and those set out in the plan.		P - In a product that leaves the process	>1 to 10		100	
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. 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. Description of amondment of the previous calendar year to implement the plan and a summary of the steps and toxics reductions achieved as a result of those actions. Not Applicable		Current year and previous year. On-site releases from the facility to air, was	ter and land as w	ecrease in the amount	transferred to land	711
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 Not Applicable	rogress i				p	
Summary of differences between steps taken and those set out in the plan. Not Applicable Not Applicable Not Applicable		propertient the plan and a summary of the toy.	calendar year to cs reductions	Not Applicable		
Description of amendment of the last		calendar year that impacted the toxic and a si	immany of the	Not Applicable		
Description of amendments to the plan. Not Applicable		trie plati,	and those set out in	Not Applicable		
		Description of amendments to the plan.		Not Applicable		

	Owens Corning					
		ction Public Sum	mary Report			
ubstance	e Information and Plan Objective	PM10 - PARTICULA	TE MATTER <=10	MICRONS		
	Substance Name	N/A - M09	(I E IVIATTER + TO	Morton		
	CAS#					
	Report Date:	September 30, 2021				
	Plan Date:	18-Dec-13		Cuolph C	Nace Plant is	
	Plan Objectives and Targets	committed to playing	vens Corning Composite Materials Canada LP - Guelph Glass Plant is mitted to playing a leadership role in protecting the environment. Thenever feasible, we will eliminate, or reduce the creation and discharge 110 in full compliance with all Federal and Provincial Regulations.			
	bstance Accounting and Comparison			Delta	Delta %	
OXICS SI	Pathways	2019	2020	Della	Doite 70	
	Units reported	tonnes	tonnes	0	NA	
	U - Enters the Process (Raw Materials)	0	0	> -1 to -10	-20%	
	C - Created	>10 to 100	>1 to 10	0	NA	
	O Greater					
	P - In a product that leaves the process	0				
	Summary of reasons for changes between	Decrease in produc	ction and calculation		site recycling o	
*oaroes	Summary of reasons for changes between current year and previous year. On-site releases from the facility to air, where the searching for this facility at	Decrease in produc	ation and calculation	te disposal and off-	-site recycling o	
orogress	Summary of reasons for changes between current year and previous year.	Decrease in product ater and land, as we http://www.ec.gc.ca	ation and calculation	te disposal and off-	-site recycling o	
Progress	Summary of reasons for changes between current year and previous year. 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 to	Decrease in product ater and land, as we http://www.ec.gc.ca	ell as on and off-si /inrp-npri/default.a Not Applicable	te disposal and off-	site recycling o	
Progress	Summary of reasons for changes between current year and previous year. 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 to achieved as a result of the steps taken. Summary of additional actions taken during the previous that impacted the toxic, and a summary of additional actions taken during the plantage of the toxic, and a summary of additional actions taken during the plantage of the toxic, and a summary of additional actions taken during the plantage of the toxic and a summary of additional actions taken during the plantage of the toxic and a summary of additional actions taken during the plantage of the toxic and a summary of additional actions taken during the plantage of the toxic and a summary of additional actions taken during the plantage of the toxic and a summary of additional actions taken during the plantage of the toxic and a summary of additional actions taken during the plantage of the toxic and a summary of additional actions taken during the plantage of the toxic and a summary of additional actions taken during the plantage of the toxic and a summary of additional actions taken during the plantage of the toxic and a summary of the toxic actions taken during the plantage of the toxic and a summary of the toxic actions taken during the plantage of	Decrease in product ater and land, as we http://www.ec.gc.ca calendar year to xics reductions the previous summary of the esult of those actions.	etion and calculation all as on and off-si /inrp-npri/default.a Not Applicable	te disposal and off-	site recycling o	

	Owens Cornin	g Canada LP - G	uelph Glass P	lant	
		duction Public Su		iant	
stan	ce Information and Plan Objective	- addition i abile du	minary Report		
	Substance Name	There			
	CAS#	PM2.5 - PARTICL	ILATE MATTER <=2	2.5MICRONS	
	Report Date:	IN/A - WITU			
	Plan Date:	September 30, 20	21		
	rian Dato.	18-Dec-13			
2	Plan Objectives and Targets	Whenever feasible	ng a leadership role , we will eliminate o	Canada LP - Guelph of in protecting the envior reduce the creation all and Provincial Reg	ironment.
cs S	ubstance Accounting and Comparison		- In an i oder	ai ana i Tovinciai Re(julations.
	Pathways	2019	2020		
	Units reported	tonnes	2020	Delta	Delta %
	U - Enters the Process (Raw Materials)	0	tonnes		
	C - Created	>10 to 100	>1 to 10	0	NA
	P - In a product that leaves the process	0	0	> -1 to -10	-20%
			U	0	NA
	Summary of reasons for changes between current year and previous year.		tion and calculation	refinement	
ess	On-site releases from the facility to air, we be viewed by searching for this facility at I in Implementing Plan	ater and land, as we http://www.ec.gc.ca/	ell as on and off-site /inrp-npri/default.as	e disposal and off-s sp?lang=en	ite recycling o
ess	in Implementing Plan		ell as on and off-sit/ /inrp-npri/default.as	e disposal and off-s sp?lang=en	ite recycling o
ess	2 (4) 200	calendar year to	ell as on and off-site finrp-npri/default.as	e disposal and off-s p?lang=en	ite recycling o
ess	Summary of steps taken during the previous implement the plan and a summary of the tox	calendar year to ics reductions	mp-upmdelaur.as	e disposal and off-s sp?lang=en	ite recycling o
ess	Summary of additional actions taken during the previous achieved as a result of the steps taken. Summary of additional actions taken during the calendar year that impacted the toxic, and a steps and toxics reductions achieved as a result of the steps taken during the calendar year that impacted the toxic, and a steps and toxics reductions achieved as a result of the steps taken the plan.	calendar year to ics reductions the previous ummary of the ult of those actions.	Not Applicable	e disposal and off-s sp?lang=en	ite recycling o
ess	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 s steps and toxics reductions achieved as a resummary of differences between steps taken.	calendar year to ics reductions le previous ummary of the ult of those actions.	Not Applicable	e disposal and off-s sp?lang=en	ite recycling o

	Owens Corning (Canada LP - Gue	elph Glass Plan	t	
		ction Public Sum			
1-1-1-1-0	Information and Plan Objective		VEVEDERRED AS N	VIO3)	
upstance	Substance Name	NITROGEN OXIDES	S (EXPRESSED AS I	102)	
	CAS#	10102-44-0			
	Report Date:	September 30, 2021			
	Plan Date:	18-Dec-13			Olega Diantic
	Plan Objectives and Targets	committed to playing	nposite Materials Car g a leadership role in we will eliminate, or nce with all Federal an	reduce the creation	and discharge o
	ostance Accounting and Comparison			Delta	Delta %
oxics Sub	ostance Accounting and companies	2019	2020	Delta	
	Pathways Units reported	tonnes	tonnes	0	NA
	U - Enters the Process (Raw Materials)	0	0	>0 to -1	-1%
	C - Created	>10 to 100	>10 to 100	0	NA
	P - In a product that leaves the process Summary of reasons for changes between	0 No significant chan	1		
Juan my cons	P - In a product that leaves the process Summary of reasons for changes between current year and previous year. On-site releases from the facility to air, which is be viewed by searching for this facility at	No significant chan	ge ell as on and off-site	e disposal and off sp?lang=en	-site recycling c
Progress	P - In a product that leaves the process Summary of reasons for changes between current year and previous year.	No significant chan ater and land, as we http://www.ec.gc.ca	ge ell as on and off-site	e disposal and off sp?lang=en	-site recycling c
Progress	P - In a product that leaves the process Summary of reasons for changes between current year and previous year. On-site releases from the facility to air, w 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 to	No significant chan ater and land, as we http://www.ec.gc.ca	ge ell as on and off-site n/inrp-npri/default.as Not Applicable	e disposal and off sp?lang=en	-site recycling c
Progress	P - In a product that leaves the process Summary of reasons for changes between current year and previous year. On-site releases from the facility to air, w 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 to achieved as a result of the steps taken. Summary of additional actions taken during	No significant chan ater and land, as we http://www.ec.gc.ca.calendar year to xics reductions the previous asummary of the esult of those actions	ge ell as on and off-site n/inrp-npri/default.as Not Applicable Not Applicable	e disposal and off sp?lang=en	-site recycling o