Owens Corning Insulating Systems Canada LP - Toronto Facility

Toxics Reduction Public Summary Report

Facility Informat	tion	
-------------------	------	--

Company Information	Owens Corning Insulating Systems Canada LP
Facility Name	Toronto Facility
Facility Physical Address	3450 McNicoll Avenue, Toronto, ON, Canada, M1V 1Z5
Facility Mailing Address	Same as physical address
Spatial Coordinates of Facility	640284Easting; 4853861Northing
Number of Employees	150
NPRI ID	1245
2 Digit NAICS Code	31-33
4 Digit NAICS Code	3279
6 Digit NAICS Code	327990

Parent Company Information

Parent Company Name	OC Canada Holdings Company
Address	900-1959 Upper West Street, Halifax, Nova Scotia, B3J 3N2
Percentage Ownership (if available)	99.99%

Facility Contact

Public Contact	Alan Chan
Position	Environmental, Health & Safety Leader
Address	3450 McNicoll Avenue, Toronto, ON, Canada, M1V 1Z5
Email	alan.chan@owenscorning.com
Phone	416-412-6732
Fax	416-412-6732

Date of summary

Reporting Year	2018
Summary Date	June 1, 2019

Toxic Substances Required

Carbon Monoxide, Manganese and its Compounds, Phosphorus, PM10, PM2.5, Selenium and its Compounds, Total Particulate Matter, Ethanol

Copy of Certification:

As of June 1, 2019, 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; Michael Radosevic Title: Plant Leader Signature:

Owens Corning Insulating Systems Canada LP - Toronto Facility **Toxics Reduction Public Summary Report** Substance Information and Plan Objective Carbon Monoxide Substance Name CAS# 630-08-0 June 1, 2019 Report Date: Plan Date: December 19, 2013 Our goal is to reduce carbon monoxide used at our facility and to further Plan Objectives and Targets minimize the potential for losses through continuous improvements and our commitment to best management practices. Toxics Substance Accounting and Comparison 2018 2017 Delta Delta % Pathways Units reported tonnes tonnes U - Enters the Process (Raw Materials) 10 to 100 10 to 100 10 to 100 0.83% C - Created P - In a product that leaves the process Summary of reasons for changes between current N/A - Quantities are approximately the same (i.e., <10%) 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 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 the steps taken during the previous calendar year to implement the plan and a summary of the toxics reductions achieved as None. 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 None. reductions achieved as a result of those actions. Summary of differences between steps taken and those set out in the None. plan.

None.

Description of amendments to the plan.

Owens Corning Insulating Systems Canada LP - Toronto Facility **Toxics Reduction Public Summary Report** Substance Information and Plan Objective Substance Name Manganese (and its compounds) CAS# NA - 09 June 1, 2019 Report Date: Plan Date: December 19, 2012 Our goal is to reduce manganese used at our facility and to further minimize Plan Objectives and Targets the potential for losses through continuous improvements and our commitment to best management practices. Toxics Substance Accounting and Comparison Pathways 2017 Delta Delta % 2018 Units reported tonnes tonnes U - Enters the Process (Raw Materials) -1 to -10 -0.62% 100 to 1,000 100 to 1,000 C - Created P - In a product that leaves the process 100 to 1,000 100 to 1,000 10 to 100 4.77% Summary of reasons for changes between current N/A - Quantities are approximately the same (i.e., <10%) 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 can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en Progress In Implementing Plan N/A - reduction option completed in previous reporting Summary of steps taken during the previous calendar year to implement the plan. Pathways % tonnes Used N/A N/A Created N/A N/A Contained in Product N/A N/A On-Site Releases to Air N/A Summary of the toxics reductions achieved as a N/A result of the steps taken. On-Site Releases to Water N/A N/A On-Site Releases to Land N/A N/A Disposal On-Site N/A N/A Disposal Off-Site N/A N/A Transfer Off-Site for Recycling N/A N/A Summary of additional actions taken during the previous calendar year that impacted the toxic, and a summary of the steps and toxics None. reductions achieved as a result of those actions. Summary of differences between steps taken and those set out in the None. plan. Description of amendments to the plan. None.

Owens Corning Insulating Systems Canada LP - Toronto Facility **Toxics Reduction Public Summary Report** Substance Information and Plan Objective Substance Name Phosphorus (total) NA - 22 CAS# Report Date: June 1, 2019 Plan Date: December 19, 2013 While Owens Corning Insulating Systems Canada LP does not intend to reduce the use of phosphorus, the plan was developed with the following objectives: we will continue to operate in full compliance with all applicable Plan Objectives and Targets environmental regulations; and we will continue to minimize releases of phosphorus through current and future pollution prevention and best management practices. Toxics Substance Accounting and Comparison 2018 2017 Deita Delta % Pathways Units reported tonnes tonnes 10 to 100 -1 to -10 -2.07% U - Enters the Process (Raw Materials) 10 to 100 C - Created 10 to 100 -2.07% 10 to 100 -1 to -10 P - In a product that leaves the process Summary of reasons for changes between current N/A - Quantities are approximately the same (i.e., <10%) 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 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 the steps taken during the previous calendar year to implement the plan and a summary of the toxics reductions achieved as None. 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 None.

None.

reductions achieved as a result of those actions.

Description of amendments to the plan.

Summary of differences between steps taken and those set out in the

Owens Corning Insulating Systems Canada LP - Toronto Facility **Toxics Reduction Public Summary Report** Substance Information and Plan Objective PM10 Substance Name CAS# NA - M09 June 1, 2019 Report Date: Plan Date: December 19, 2013 While Owens Corning Insulating Systems Canada LP does not intend to reduce the creation of Particulate Matter (PM, PM10 & PM2.5), the plan was developed with the following objectives: we will continue to operate in full compliance with all applicable Plan Objectives and Targets environmental regulations; and we will continue to minimize releases of Particulate Matter (PM, PM10 & PM2.5) through current and future pollution prevention and best management practices. Toxics Substance Accounting and Comparison Delta % 2018 2017 Delta Pathways tonnes Units reported tonnes U - Enters the Process (Raw Materials) 100 to 1,000 10 to 100 1 to 10 2.89% C - Created P - In a product that leaves the process Summary of reasons for changes between current N/A - Quantities are approximately the same (i.e., <10%) 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 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 the steps taken during the previous calendar year to implement the plan and a summary of the toxics reductions achieved as None. 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 None. reductions achieved as a result of those actions. Summary of differences between steps taken and those set out in the None.

None.

Description of amendments to the plan.

	Owens Corning Insulating Toxics Reduct	ion Public Summar				
ance Information and Pla	n Objective				· · · · · · · · · · · · · · · · · · ·	
Substance Name		PM2.5				
CAS#		NA - M10				
Report Date:		June 1, 2019				
Plan Date:		December 19, 2013				
Plan Objectives and	l Targets	While Owens Corning Insulating Systems Canada LP does not intend to reduce the creation of Particulate Matter (PM, PM10 & PM2.5), the plan was developed with the following objectives: • we will continue to operate in full compliance with all applicable environmental regulations; and • we will continue to minimize releases of Particulate Matter (PM, PM10 & PM2.5) through current and future pollution prevention and best management practices.				
Substance Accounting	and Comparison					
Pathways		2018	2017	Delta	Delta %	
Units reported		tonnes	tonnes			
U - Enters the Proce	ess (Raw Materials)		san a san - washing			
C - Created		10 to 100	10 to 100	1 to 10	2.96%	
P - In a product that	leaves the process			Andrewski # styrostania a		
year and previous y On-site releases fro	is for changes between current lear om the facility to air, water and la acility at http://www.ec.gc.ca/inrp	and, as well as on an	e approximately the			
searching for this fa ess In Implementing Pla		-npn/detault.asp?lan	g– e n			
ess In Implementing Plan	n eps taken during the previous ca and a summary of the toxics re	lendar year to				
Summary of the ste implement the plan a result of the steps Summary of additio that impacted the to	n eps taken during the previous ca and a summary of the toxics re	lendar year to ductions achieved as vious calendar year				
Summary of the ste implement the plan a result of the steps Summary of addition that impacted the to reductions achieved	ps taken during the previous ca and a summary of the toxics res taken. In a lactions taken during the pre- poxic, and a summary of the step	lendar year to ductions achieved as evious calendar year s and toxics	None.			

Owens Corning Insulating Systems Canada LP - Toronto Facility **Toxics Reduction Public Summary Report** Substance Information and Plan Objective Selenium (and its compounds) Substance Name CAS# NA - 12 June 1, 2019 Report Date: Plan Date: December 19, 2012 Our goal is to reduce selenium used at our facility and to further minimize Plan Objectives and Targets the potential for losses through continuous improvements and our commitment to best management practices. Toxics Substance Accounting and Comparison 2018 2017 Delta Delta % Pathways Units reported kg kg U - Enters the Process (Raw Materials) 100 to 1,000 10 to 100 62.97% 100 to 1,000 C - Created P - In a product that leaves the process 100 to 1,000 10 to 100 10 to 100 68.19% Summary of reasons for changes between current Change in raw material processing. 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 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 N/A - reduction option completed in previous reporting implement the plan. Pathways tonnes % N/A Used N/A Created N/A N/A Contained in Product N/A N/A Summary of the toxics reductions achieved as a On-Site Releases to Air N/A N/A result of the steps taken. On-Site Releases to Water N/A N/A N/A On-Site Releases to Land N/A Disposal On-Site N/A N/A Disposal Off-Site N/A N/A Transfer Off-Site for Recycling N/A N/A Summary of additional actions taken during the previous calendar year that impacted the toxic, and a summary of the steps and toxics None. reductions achieved as a result of those actions. Summary of differences between steps taken and those set out in the None. plan. Description of amendments to the plan. None.

Owens Corning Insulating Systems Canada LP - Toronto Facility **Toxics Reduction Public Summary Report** Substance Information and Plan Objective Substance Name Total PM CAS# NA - M08 June 1, 2019 Report Date: Plan Date: December 19, 2013 While Owens Corning Insulating Systems Canada LP does not intend to reduce the creation of Particulate Matter (PM, PM10 & PM2.5), the plan was developed with the following objectives: we will continue to operate in full compliance with all applicable Plan Objectives and Targets environmental regulations; and we will continue to minimize releases of Particulate Matter (PM, PM10 & PM2.5) through current and future pollution prevention and best management practices. Toxics Substance Accounting and Comparison 2017 Delta Delta % Pathways 2018 Units reported tonnes tonnes U - Enters the Process (Raw Materials) 100 to 1,000 10 to 100 1 to 10 2.91% C - Created P - In a product that leaves the process Summary of reasons for changes between current N/A - Quantities are approximately the same (i.e., <10%) 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 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 the steps taken during the previous calendar year to implement the plan and a summary of the toxics reductions achieved as None. 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 None. reductions achieved as a result of those actions. Summary of differences between steps taken and those set out in the None.

None.

Description of amendments to the plan.

Owens Corning Insulating Systems Canada LP - Toronto Facility **Toxics Reduction Public Summary Report** Substance Information and Plan Objective Substance Name (Ethanol) Ethyl alcohol 64-17-5 CAS# Report Date: June 1, 2019 December 19, 2013 Plan Date: While Owens Corning Insulating Systems Canada LP does not intend to reduce the creation of ethanol, the plan was developed with the following objectives: Plan Objectives and Targets we will continue to operate in full compliance with all applicable environmental regulations; and · we will continue to minimize releases of ethanol through current and future pollution prevention and best management practices Toxics Substance Accounting and Comparison Delta Delta % 2018 2017 Pathways Units reported tonnes tonnes U - Enters the Process (Raw Materials) C - Created >1 to 10 >1 to 10 <1 77.93% P - In a product that leaves the process Summary of reasons for changes between current Variation in annual production levels. 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 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 the steps taken during the previous calendar year to implement the plan and a summary of the toxics reductions achieved None. 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 None. reductions achieved as a result of those actions. Summary of differences between steps taken and those set out in the None. Description of amendments to the plan. None.