This Annual Toxic Substance Account Report has been prepared to meet the regulatory obligations specified under Section 10 for the Toxics Reduction Act and has been prepared in accordance with Section 27 (1) of Ontario Regulation 455/09, as amended from time to time. It summarizes the relevant public reporting requirements and will be updated, as required, by the Act and O.Reg. 455/09.

FACILITY INFORMATION

Facility	Bath Cement Plant 6501 Highway 33 West Bath, Ontario K0H 1G0	**Factility Public Contact**	Robert Cumming Director Environment, Eastern Canada 613-352-7711 x214 robert.cumming@lafarge.com 6501 Highway 33 West Bath, Ontario K0H 1G0
Geographic Coordinates in UTM	355400, 4892336, Zone 17		
NPRI Identification Number	5850		
North American Industry Classification System (NAICS) Code	32 - Manufacturing 3273 - Cement and Concrete Product Manufacturing 327310 - Cement Manufacturing	**Parent Company**	Lafarge Canada Inc. 334 Avro Avenue Ownership: 100% Point Claire, QC H9R 5W5
Number of Full-time Employee Equivalents	110		

TOXIC SUBSTANCE ACCOUNTING AND PLAN PROGRESS

2018 Toxic Substance Accounting - Whole Facility											
SOC	**CAS**	**Units**	**Used**	**Created**	**Contained in Product**	**Air Release**	**Water Release**	**OnSite Disposal**	**Transferred for Disposal**	**Transferred For Recycling**	**Comments**
Lead	NA-8	kg	>10,000 to 100,000	>0 to 1	>10,000 to 100,000	>1 to 10	—	—	—	—	
Manganese	NA-9	Tonnes	>1,000 to 10,000	>0 to 1	>1,000 to 10,000	>0 to 1	—	—	—	—	
Mercury	NA-10	kg	>10 to 100	>0 to 1	>10 to 100	>10 to 100	—	—	—	—	
Selenium	NA-12	kg	>100 to 1,000	>0 to 1	>100 to 1,000	>1 to 10	—	—	—	—	
Zinc	NA-14	Tonnes	>100 to 1,000	>0 to 1	>100 to 1,000	>0 to 1	—	—	—	—	
Carbon monoxide	630-08-0	Tonnes	>0 to 1	>100 to 1,000	>0 to 1	>100 to 1,000	—	—	—	—	
Nitrogen oxides	11104-93-1	Tonnes	>0 to 1	>1,000 to 10,000	>0 to 1	>1,000 to 10,000	—	—	—	—	
Total Particulate Matter	NA-M08	Tonnes	>0 to 1	>100 to 1,000	>0 to 1	>100 to 1,000	—	—	—	—	
PM10 - Particulate Matter <= 10 Microns	NA-M09	Tonnes	>0 to 1	>100 to 1,000	>0 to 1	>100 to 1,000	—	—	—	—	
PM2.5 - Particulate Matter <= 2.5 Microns	NA-M10	Tonnes	>0 to 1	>100 to 1,000	>0 to 1	>100 to 1,000	—	—	—	—	
Sulphur dioxide	7446-09-5	Tonnes	>0 to 1	>100 to 1,000	>0 to 1	>100 to 1,000	—	—	—	—	

Previous Year Data [2017]											
SOC	CAS	Units	Used	Created	Contained in Product	Air Release	Water Release	OnSite Disposal	Transferred for Disposal	Transferred For Recycling	Comments
Lead	NA-8	kg	>10,000 to 100,000	>0 to 1	>10,000 to 100,000	>1 to 10	—	—	—	—	
Manganese	NA-9	Tonnes	>1,000 to 10,000	>0 to 1	>1,000 to 10,000	>0 to 1	—	—	—	—	
Mercury	NA-10	kg	>10 to 100	>0 to 1	>10 to 100	>10 to 100	—	—	—	—	
Selenium	NA-12	kg	>100 to 1,000	>0 to 1	>100 to 1,000	>1 to 10	—	—	—	—	
Zinc	NA-14	Tonnes	>100 to 1,000	>0 to 1	>100 to 1,000	>0 to 1	—	—	—	—	
Carbon monoxide	630-08-0	Tonnes	>0 to 1	>100 to 1,000	>0 to 1	>100 to 1,000	—	—	—	—	
Nitrogen oxides	11104-93-1	Tonnes	>0 to 1	>1,000 to 10,000	>0 to 1	>1,000 to 10,000	—	—	—	—	
Total Particulate Matter	NA-M08	Tonnes	>0 to 1	>100 to 1,000	>0 to 1	>100 to 1,000	—	—	—	—	
PM10 - Particulate Matter <= 10 Microns	NA-M09	Tonnes	>0 to 1	>100 to 1,000	>0 to 1	>100 to 1,000	—	—	—	—	
PM2.5 - Particulate Matter <= 2.5 Microns	NA-M10	Tonnes	>0 to 1	>100 to 1,000	>0 to 1	>100 to 1,000	—	—	—	—	
Sulphur dioxide	7446-09-5	Tonnes	>0 to 1	>100 to 1,000	>0 to 1	>100 to 1,000	—	—	—	—	

Changes from Historic (%)											
SOC	CAS	Units	Used	Created	Contained in Product	Air Release	Water Release	OnSite Disposal	Transferred for Disposal	Transferred For Recycling	Comments
Lead	NA-8	%	-56%	—	-55%	-4%	—	—	—	—	
Manganese	NA-9	%	-7%	—	-7%	4%	—	—	—	—	
Mercury	NA-10	%	-1%	—	-1%	-19%	—	—	—	—	
Selenium	NA-12	%	18%	—	17%	-17%	—	—	—	—	
Zinc	NA-14	%	-71%	—	-71%	-14%	—	—	—	—	
Carbon monoxide	630-08-0	%	—	-17%	—	-17%	—	—	—	—	
Nitrogen oxides	11104-93-1	%	—	22%	—	22%	—	—	—	—	
Total Particulate Matter	NA-M08	%	—	3%	—	3%	—	—	—	—	
PM10 - Particulate Matter <= 10 Microns	NA-M09	%	—	-7%	—	-7%	—	—	—	—	
PM2.5 - Particulate Matter <= 2.5 Microns	NA-M10	%	—	2%	—	2%	—	—	—	—	
Sulphur dioxide	7446-09-5	%	—	27%	—	27%	—	—	—	—	

Changes from Historic [Absolute Values]											
SOC		Units	Used	Created	Contained in Product	Air Release	Water Release	OnSite Disposal	Transferred for Disposal	Transferred For Recycling	Comments
Lead	NA-8	kg	-19490.71	0.00	-19524.34	-0.33	—	—	—	—	
Manganese	NA-9	Tonnes	-127.37	0.00	-128.61	0.00	—	—	—	—	
Mercury	NA-10	kg	-0.20	0.00	-0.33	-4.72	—	—	—	—	
Selenium	NA-12	kg	128.79	0.00	126.06	-0.44	—	—	—	—	
Zinc	NA-14	Tonnes	-253.08	0.00	-253.14	-0.01	—	—	—	—	
Carbon monoxide	630-08-0	Tonnes	0.00	-56.79	0.00	-56.79	—	—	—	—	
Nitrogen oxides	11104-93-1	Tonnes	0.00	643.56	0.00	643.56	—	—	—	—	
Total Particulate Matter	NA-M08	Tonnes	0.00	5.98	0.00	5.98	—	—	—	—	
PM10 - Particulate Matter <= 10 Microns	NA-M09	Tonnes	0.00	-11.02	0.00	-11.02	—	—	—	—	
PM2.5 - Particulate Matter <= 2.5 Microns	NA-M10	Tonnes	0.00	1.64	0.00	1.64	—	—	—	—	
Sulphur dioxide	7446-09-5	Tonnes	0.00	99.82	0.00	99.82	—	—	—	—	

Substance Name	CAS #	Toxic Substance Reduction Plan Date	Website Posted
Lead	NA-8	20-Dec-13	http://www.bathcementplant.com/publication/all/282
Manganese	NA-9	20-Dec-13	http://www.bathcementplant.com/publication/all/282
Mercury	NA-10	20-Dec-13	http://www.bathcementplant.com/publication/all/283
Selenium	NA-12	20-Dec-13	http://www.bathcementplant.com/publication/all/284
Zinc	NA-14	20-Dec-13	http://www.bathcementplant.com/publication/all/285
Carbon monoxide	630-08-0	20-Dec-13	http://www.bathcementplant.com/publication/all/286
Nitrogen oxides	11104-93-1	20-Dec-13	http://www.bathcementplant.com/publication/all/287
Total Particulate Matter	NA-M08	20-Dec-13	http://www.bathcementplant.com/publication/all/288
PM10 - Particulate Matter <= 10 Microns	NA-M09	20-Dec-13	http://www.bathcementplant.com/publication/all/289
PM2.5 - Particulate Matter <= 2.5 Microns	NA-M10	20-Dec-13	http://www.bathcementplant.com/publication/all/290
Selenium	NA-12	18-Dec-15	http://www.bathcementplant.com/publication/all/

OBJECTIVES AND TARGETS OF ORIGINAL PLAN

There were no reduction options identified in any of the plans of the above noted substances that were identified as being both technically and economically feasible.

No additional actions were taken during the year to reduce the use and/or creation of any of the reportable substances.
No other amendments were made to the original plans.

TOXIC REDUCTION PROGRESS

The 2018 reporting year saw changes (increase/decrease) for some substances due production level changes and fuel composition.

STATEMENT OF CERTIFICATION

ON MECP TRA - Electronic Certification Statement

Annual Report Certification Statement

As of 2019-05-31, I, Robert Cumming, certify that I have read the reports on the toxic substance reduction plans for the toxic substances referred to below and am familiar with their contents, and to my knowledge the information contained in the reports is factually accurate and the reports comply with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09

(General) made under that Act.

TRA Substance List*

CAS RN	Substance Name
630-08-0	Carbon monoxide
NA - 08	Lead (and its compounds)
NA - 09	Manganese (and its compounds)
NA - 10	Mercury (and its compounds)
11104-93-1	Nitrogen oxides (expressed as NO2)
NA - M09	PM10 - Particulate Matter <= 10 Microns
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns
NA - 12	Selenium (and its compounds)
7446-09-5	Sulphur dioxide
NA - M08	Total Particulate Matter
NA - 14	Zinc (and its compounds)

Company Name

Lafarge Canada Inc.

Highest Ranking Employee

Robert Cumming

Report Submitted by

Robert Cumming

Website address

I, the highest ranking employee, agree with the certification statement(s) above and acknowledge that by checking the box I am electronically signing the statement(s). I also acknowledge that by pressing the 'Submit Report(s)' button I am submitting the facility record(s)/report(s) for the identified facility to the Director under the Toxics Reduction Act, 2009. I also acknowledge that the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 provide the authority to the Director under the Act to make certain information as specified in subsection 27(5) of Ontario Regulation 455/09 available to the public.