

Toxics Reduction Act Public Annual Report for 2018 Calendar Year

This report was prepared for the purposes of Ontario Regulation 455/09, Toxics Reduction Act, 2009 and the Ontario Toxics Reduction Program managed by the Ontario Ministry of the Environment, Conservation and Parks (MECP). The Ontario MECP has mandated manufacturing facilities in Ontario to evaluate their processes in detail and to report on this evaluation to the public. As such, Lehigh Hanson Materials Limited (Lehigh) has posted this Annual report to its corporate website to make the information available to the public. The values posted here represent the total annual movement of elements or specific compounds. In some cases, values indicated to be zero may represent the undetectable presence of a substance using commonly available scientific methods. Some of the substances have been reported as a range. The ranges were developed by the MECP and the actual values for Lehigh are within these ranges. There were no changes made to any quantifications methods since the previous year, and as such, none of the comparisons are due to changes in quantification methods.

As part of the Toxics Reduction Act Lehigh continues to evaluate the movement of these substances within its operations on an annual basis. A toxics reduction plan has been developed for all of these substances at the site, these plan summaries are available on the company website. Lehigh is fully committed to protecting its employees and the surrounding community and continuously strives to improve its environmental performance.

Facility Information :

Lehigh Hanson Materials Limited –
Picton Cement Plant
1370 Highway 49 South
Picton, ON
K0K 2T0
Canada

UTM coordinates, x and y (m): 330011 4880204

Facility NPRI identification number: 3541

Zone: zone 18T

The identification number assigned to the facility by the Ministry of the Environment for the purposes of Ontario Regulation 127/01:

5103

TRA Planner:

Jamie McEvoy, Golder Associates Ltd.,
TSRP 0288

Number of full-time employees: 126

North American Industry Classification System (NAICS) - 2, 4, and 6 digit codes

32
3273
327310

Toxic Substance	CAS No.	Units	Used		Created		Contained in Product		Comment if Change > +/- 10%
			Tonnes in 2018	% Change from 2017	Tonnes in 2018	% Change from 2017	Tonnes in 2018	% Change from 2017	
Selenium	NA-12	kg	>1,000 to 10,000	121%	>0 to 1	—	>1,000 to 10,000	108%	new raw data composition
Manganese	NA-09	tonnes	>100 to 1,000	194390%	>0 to 1	—	>100 to 1,000	—	new raw data composition
Chromium	NA-04	tonnes	>0 to 1	—	>0 to 1	—	>0 to 1	—	Not reportable in 2018
Lead	NA-08	kg	>0 to 1	—	>0 to 1	—	>0 to 1	—	Not reportable in 2018
Mercury	NA-10	kg	>10 to 100	-64%	>0 to 1	—	>0 to 1	—	updated source testing
Ammonia	NA-16	tonnes	>0 to 1	—	>10 to 100	0%	>0 to 1	—	—
Nitrogen Oxides	11104-93-1	tonnes	>0 to 1	—	>1,000 to 10,000	-16%	>0 to 1	—	By-product of thermal efficiency of flame
Carbon Monoxide	630-08-0	tonnes	>0 to 1	—	>100 to 1,000	0%	>0 to 1	—	—
Sulphur Dioxide	7446-09-5	tonnes	>0 to 1	—	>1,000 to 10,000	0%	>0 to 1	—	—
PM	NA-M08	tonnes	>0 to 1	—	>100 to 1,000	-33%	>0 to 1	—	updated source testing
PM10	NA-M09	tonnes	>0 to 1	—	>100 to 1,000	-40%	>0 to 1	—	updated source testing
PM2.5	NA-M10	tonnes	>0 to 1	—	>10 to 100	-48%	>0 to 1	—	updated source testing

If applicable, the name, position and telephone number of the individual who is the contact at the facility for the public:

Public Contact (if applicable): Nick Papanicolaou
Title: Environmental Manager
Phone Number: 613-476-8636

As of June 1, 2018, I certify that I have read the reports on the toxic substance reduction plans for the above substances 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 the Act.

Name: Carsten Schraeder
Signature:
Title: Plant Manager
Phone Number: 613-476-8130