



2017 TOXICS SUBSTANCE REPORT

**Dufferin Concrete, a division of CRH Canada Group Inc.
– Markham Plant**

**7655 Woodbine Avenue
Markham, ON
L3R 2N4**



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1. Introduction

Dufferin Concrete, a division of CRH Canada Group Inc., produces a variety of custom concrete mixes to meet technical specifications for commercial, industrial, institutional, and residential construction customers. We provide specialized services and technical support to meet the unique challenges of construction in Canada such as cold-weather concreting, as well as specific applications such as underwater concreting. Dufferin Concrete is committed to the principles of sustainability. This involves building a business by safeguarding the environment, fostering vibrant communities, protecting our employees, serving our customers and shareholders and nurturing the interests of future generations.

CRH Canada Group Inc. is one of the country's largest vertically integrated building materials and construction companies. With 3,000 employees, we manufacture cement, aggregates and ready-mix concrete and provide construction services to many of Canada's largest infrastructure projects. Our business divisions include Dufferin Construction, Dufferin Aggregates and Dufferin Concrete in Ontario and Demix Béton, Demix Agrégats and Demix Construction in Quebec.

CRH Canada Group Inc. is a member of CRH plc, a global building materials company with a proud and successful history, a strong track record of performance and a clear commitment to safety and ethical business practices. The company employs over 90,000 people in 37 countries around the world.

CRH Canada Group Inc. began operating in Canada as St. Lawrence Cement with the commissioning of a cement plant near Quebec City. Since then, through ongoing capital investment and strategic acquisitions such as Dufferin Construction Company (1961), De-Mix (1965), H. Boehmers (1973), and TCG Asphalt & Construction (2001), the company has grown into one of the largest vertically integrated building materials and construction companies in Canada. In 2009, St. Lawrence Cement became Holcim (Canada) Inc. On August 1, 2015 Holcim (Canada) Inc. became CRH Canada Group Inc., introducing the parent company name in Canada.



2. Reporting Criteria

Section 3(1) of the Toxics Reduction Act (TRA) specifies the criteria requiring the preparation of a toxic substance plan.

These criteria are as follows:

3. (1) The owner and the operator of a facility shall ensure that a toxic substance reduction plan is prepared for a toxic substance in accordance with this Act and the regulations if all of the following criteria are met:

1. The facility belongs to a class of facilities prescribed by the regulations.

2. The number of persons employed at the facility exceeds the number of persons prescribed by the regulations.

3. The toxic substance is used or created at the facility and the amounts of the substance that are used or created meet the criteria prescribed by the regulations.

4. Such other criteria as are prescribed by the regulations. 2009, c. 19, s. 3 (1).

Section 4(1) of O. Reg. 455/09 specifies the types of facilities subject to toxic substance reduction planning and includes facilities that begin in North American Industry Classification System (NAICS) code “31”, “32” or “33” and “212”. Dufferin Concrete – Markham Plant operates under the category of “Ready-Mix concrete manufacturing”, and therefore has a NAICS code beginning with “32”.

In addition to the plan, toxics substance reporting must be conducted annually and a summary of this report must be made available for public viewing. This document summarizes the toxic substances reported as part of the TRA for the year ending 2017 by Dufferin Concrete’s Markham Plant.

- PM10 - Particulate Matter <= 10 Microns



3. Company Information

Parent Company Name	CRH Canada Group Inc.
Parent Company Address	2300 Steeles Ave. West, 4 th Floor Concord, Ontario L4K 5X6
Facility Name	Dufferin Concrete - Markham
Facility Address	7655 Woodbine Avenue Markham, ON L3R2N4
Geographic Coordinates of Facility	43.83020N, -79.35280E
National Pollutant Release Inventory Identification Number	7033
Two Digit North American Industry Classification System (NAICS) Code	32 – Manufacturing
Four Digit North American Industry Classification System (NAICS) Code	3273 - Cement and Concrete Product Manufacturing
Six Digit North American Industry Classification System (NAICS) Code	327320 – Ready-Mix concrete manufacturing
Number of Full-time Employee Equivalents at the Facility	31
Facility Public Contact	Cesar Morales Plant Manager 7655 Woodbine Avenue Markham, ON L3R2N4 416-678-2346 Cesar.morales@ca.crh.com



4. Substance Reporting

	PM 10			
	Substance Name and CAS Number*: PM10 - Particulate Matter <= 10 Microns			
	2017 (tonnes)	2016 (tonnes)	Diff (tonnes)	Diff %
Used	15712.05	14736.26	975.79	6.62
Created	0	0	0	0
Contained in Product	N/A**	N/A**	N/A**	N/A**
Released	0.87	0.80	0.061	7.62
Destroyed		0	0	0
	The changes in the quantities of substance used and released are due to an increase in production levels in 2017.			

* No single CAS RN applies to this substance.

**Quantification for the amount of the substance that is contained in product is not required for Criteria Air Contaminants (Part 4 of NPRI Schedule 1).



5. Certification Statement

Highest Ranking Employee

As of June 1, 2018, I, Cesar Morales, 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.

- PM 10- Particulate Matter \leq 10 Microns

A handwritten signature in blue ink, appearing to read 'Cesar Morales', written over a horizontal line.

Signature

Production Manager

Title of HRE