NESTLÉ CANADA INC.
STERLING ROAD FACTORY
72 Sterling Road, Toronto, Ontario M6R 2B6

Toxic Reduction Act
2015 Public Report

Toxics Reduction Act & Ontario Regulation 455/09

May 4th, 2016

Toxic Reduction Act – 2015 Public Report
Toxics Reduction Act & Ontario Regulation 455/09

Facility Name: Nestlé Confectionary, a division of Nestlé Canada Inc., (Nestlé)
Address: 72 Sterling Road, Toronto, Ontario, M6R 2B6
NPRI Identification Number: 7250

Two Digit NAICS Code: 31
Four Digit NAICS Code: 3113
Six Digit NAICS Code: 311330 Confectionary Manufacturing from Purchased Chocolate
Number of Full-time Employees: ~ 437
UTM Spatial Coordinates: (NAD83-Zone17) 625462 mN: 4834439 mE (front door)

Owner/Operator: Nestlé Canada Inc.
Address: 25 Sheppard Avenue West, Toronto, M2N 6S8
(100% ownership)

Substance 1: Particulate Matter equal or less than 10 microns (PM10 – CAS# NA-09)
Substance 2: Particulate Matter equal or less than 2.5 microns (PM2.5 – CAS#NA-10)

Substances (TRA Phase 2) are created from fuel combustion, maintenance welding, cooling towers, dust collectors.

Public Contact
Name: Margarita Gimmelshtein, Safety Health & Environmental Specialist
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TRA Summary Table

Quantities of the Substance Used, Released, etc. are presented in ranges per MOE guidance with a comparison to last year, as required by O. Reg. 455/09.

Nestle Confectionary - Sterling Road, Toronto - 2015 / 2014 TRA Substance Accounting - Public Report

Substance	CAS No.	Year	Used tonnes	Created tonnes	Change % & Qty.	Transformed tonnes	Released tonnes	Change % & Qty.	Recycled tonnes	Disposed tonnes	Contained in Product tonnes
PM10	NA-09	**2015**	-	1-10	-0.651	-	1.190	-0.651	-	-	-
		2014	-	1-10	-35.4%	-	1.842	-35.4%	-	-	-
PM2.5	NA-10	**2015**	-	0-1	-0.401	-	0.713	-0.401	-	-	-
		2014	-	1-10	-36.0%	-	1.114	-36.0%	-	-	-

There was no change in the method or combination of methods used to track and quantify the toxic substance during the previous calendar year. There were no incidents out of the normal course of events in 2015. There was no significant process change at the facility during the previous calendar year. The quantification of 2015 data includes impacts of production level and reduction achievements.

Description of Options and Timetable

The plan for substance reduction, the options included, the timetable for implementation and the achievements to date including the reporting period (2015) are shown in the following table;

Implementation Steps and Timetable **2015 UPDATE**

Equipment	Option Type*	Option	Implementation Step	Timetable	Air Release Reduction				
					PM10 (t/yr)	Percent	PM2.5 (t/yr)	Percent	Completed
Boilers (2)	3.	Economiser heat recovery	Engineering Design	Aug. 2013	0.010	0.9%	0.003	0.5%	Option Completed on Schedule
			Supplier Selection	mid-Oct. 2013					
			Order Submitted	end Oct. 2013					
			Installation Contract offer	end Nov. 2013					
			Installer Selected	Dec. 2013					
			Installation	Jan. 2014					
			Operational	Feb. 2014					
Cooling Towers (3)	3.	Install side stream filtration for sump tank	Engineering Design	Mar. 2015	0.094	8%	0.056	8%	Option Completed ahead of Schedule (Dec'14)
			Supplier Selection	mid-May 2015					
			Order Submitted	end May 2015					
			Installation Contract offer	end June 2015					
			Installer Selected	July 2015					
			Installation	Aug. 2015					
			Operational	Sept. 2015					
Silos (3)	3.	Decommissioned	Completed	end 2012	0.019	2%	0.013	2%	end 2012
Dust Collector (1)	2.	New formulation will not produce dust	Assess new formulation	end Mar. 2016	0.212	18%	0.144	20%	On Schedule for completion
			Begin Decommissioning	Apr. 2016					
			Disconnect mech./elec.	Apr. 2016					
			Clean-out equip.	May 2016					
			Relocate to storage	May 2016					
			Place on co. Intranet for sale	June 2016					
				TOTALS	**0.335**	**28%**	**0.216**	**30%**	
Additional Activities outside the Plan									
Dust Collectors (2)	3.	Decommissioned	Completed	end 2012	0.166	14%	0.113	16%	end 2012
				Achieved to end 2015	0.289	24%	0.186	26%	
				GRAND TOTALS	**0.501**	**42%**	**0.330**	**46%**	

*2. Product Design or Reformulation
*3. Equipment or Process Modification

Total Reduction (as of 2015)	PM10	0.289	24%
	PM2.5	0.186	26%

The facility met its Toxic Substance Reduction Plan targets for 2015 and reduced its creation and release of PM10 by 0.094 tonnes (8%*) and its creation and release of PM2.5 by 0.056 tonnes (8%*), through the implementation of the cooling tower reduction option. This brings the total reduction of PM10 to 0.289 tonnes (24%) and of PM2.5 to 0.186 tonnes (26%) as a result of all implemented Plan options to the end of 2015.

** - Percentages based on 2015 totals.*

TOXIC SUBSTANCE REDUCTION PLAN REPORT 2015

NESTLE CONFECTIONARY, NESTLE CANADA INC., TORONTO, ON

As of May 4, 2016, I, James Geddes, certify that I have read the toxic substance reduction plan report 2015 for the toxic substances referred to below and am familiar with its contents, and to my knowledge the report is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.
[PM10, PM2.5]

May 4, 2016

James Geddes
Date
Factory Manager - Nestle Confectionary, Nestle Canada Inc. – Toronto
(Highest Ranking Employee)