

**TRA ANNUAL SUMMARY
OPERATIONAL COMPARISON 2014 - 2015**

Facility Information

Basic Facility Information		
Facility Name		Niagara Structural Steel
Address		23 Smith Street, St. Catharines, ON L2P 3J7
NPRI Identification Number		27783
Number of Full-time Employees		21
NAICS Code		
Two Digit:	33	Four Digit: 3323 Six Digit: 332311
UTM Spatial Coordinates		
UTM Spatial Coordinates		Datum
Latitude:	43.16705	NAD83
Longitude:	-79.21377	

Facility Owner Information

Facility Owner Information	
Name	Canerector Inc.
Ownership	100%
Address	1 Sparks Avenue, North York, ON M2H 2W1

Plan Contacts

Plan Contacts		
	Public Contact	Technical Contact
Name	Iain Fox	Fil Barillaro P.Eng., Robert Wade B.Sc
Position	General Manager	Plan Preparers
Phone Number	905-684-2022	(905) 988-1243
Fax Number	905-684-4926	(905) 988-1887
E-mail	ifox@niagarastructuralsteel.com	fil@oakhillenvironmental.com, Rob@oakhillenvironmental.com
Address	23 Smith Street, St. Catharines, ON L2P 3J7	16 Walnut Street, St. Catharines ON L2T 1H3

Toxic Substance for Which Facility Must Prepare a Plan:

- Particulate Matter (PM₁₀)
 - CAS Number: N/A – M09
- The Facility does not require the preparation of a plan for any other substances at this time.

Statement of Intent

Niagara Structural Steel (NSS) prides itself on technological innovation in order to produce high quality products in an environmentally responsible manner. NSS will strive to reduce the creation and release of PM generated during regular operations at its St Catharines Facility.

Objective

Particulate matter (PM) is primarily generated through metal working and painting processes at NSS. Currently, NSS's objective is to reduce the release of particulate matter, where technically and economically feasible. This will primarily be achieved through the introduction of mitigative equipment designed to collect PM as it is generated, such as fume extraction systems for welding operations. At this time there is no specific quantified emission reduction target for the Facility.

Toxic Substance Found at Niagara Structural Steel

As per the criteria set out in the Toxics Reduction Act, 2009 and Ontario Regulation 455/09, no reporting was required for toxic substances this year. In previous years, reporting was required for Particulate Matter.

Toxic Substance Accounting

In order to quantify the amount of PM being created and released at the Facility, a mass balance approach was used. The mass balances were based on purchase records combined with published emission factors. As there is no site-specific monitoring for the creation or release of PM, this was deemed to be the best method of quantification.

There were no significant process changes or out of the ordinary incidents (spills, etc.) in the 2015 operating year.

The results of annual toxic substance accounting can be seen in Table 1, below.

Table 1: Toxic Substance Accounting, 2014 – 2015

Substance	CAS #	NPRI Reporting Threshold (Tonnes)	Created (Tonnes)			Air Released (Tonnes)			Used / Contained in Product / Recycled (Tonnes)		
			2014	2015	Difference (%)	2014	2015	Difference (%)	2014	2015	Difference (%)
Particulate Matter <10 µm	N/A (M09)	0.5 (Air Release)	1.76	1.21	31.25	1	0.493	50.7	N/A	N/A	N/A

The changes in value are a reflection of a re-calculation with updated information from the Facility's shop floor.

Steps Taken to Reduce Emissions

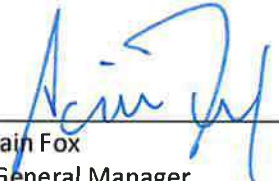
For the 2015 operating year, the main step taken towards reducing the emission of PM was better toxics accounting. As no specific target was identified, it is not possible to evaluate progress in regards to meeting a target.

As the Facility is now below the reporting threshold for PM, NSS will strive to maintain air emissions at values below the reporting threshold. NSS will continue to evaluate the economical and technical feasibility of PM control options in the event that production levels significantly increase in the coming years.

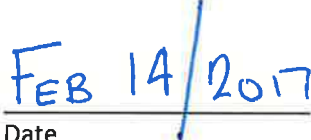
Plan Confirmation

As of February 14, 2017, I, Iain Fox, confirm that I have read the toxic substance reduction plan for the toxic substances referred to below, and am familiar with its contents. To my knowledge, the plan is factually accurate, and complies with the Toxics Reduction Act, 2009, and Ontario Regulation 455/09 (general), made under the Act, with the exclusion of the Regulatory deadline.

- **Particulate Matter**



Iain Fox
General Manager
Niagara Structural Steel



Date