

# Toxics Reduction Act - Public Summary Report - 2016 Reporting Year

## 1.0 Basic Facility Information

<b>NPRI Number</b>	10077
<b>O Reg 127/01 Number</b>	N/A
<b>Number of full time employee equivalents</b>	163
<b>NAICS Code (2 digit)</b>	31-33 - Manufacturing
<b>NAICS Code (4 digit)</b>	3279 - Other Non-Metallic Mineral Product Manufacturing
<b>NAICS Code (6 digit)</b>	327990 - All Other Non-Metallic Mineral Product Manufacturing
<b>UTM Coordinates</b>	17 N 552677 m E, 4807351 m N
<b>Company Legal Name</b>	Arriscraft Canada Inc.
<b>Company Trade Name</b>	Arriscraft Canada Inc.
<b>Public Contact</b>	Peter Schmidt Vice President, Production and Administration 875 Speedsville Road Cambridge, ON N3H 4S8 Tel: (519) 653-3275 <a href="mailto:peter.schmidt@arriscraft.com">peter.schmidt@arriscraft.com</a>

## 2.0 Toxic Substance Accounting

(tonnes)	Particulate Matter ≤ 10 Microns (PM10)	Particulate Matter ≤ 2.5 Microns (PM2.5)	Manganese (and its compounds)
	CAS#: NA	CAS#: NA	CAS#: NA
<b>MPO</b>	-	-	>10 to 100
<b>Used</b>	-	-	>100 to 1000
<b>Created</b>	>1 to 10	>1 to 10	-
<b>Air</b>	>1 to 10	>1 to 10	>0 to 1
<b>Disposed</b>	-	-	-
<b>Recycled</b>	-	-	-
<b>Sewage</b>	-	-	-
<b>Spills</b>	-	-	-
<b>Landfill</b>	-	-	-
<b>On part</b>	-	-	>100 to 1000

The substances (PM10 and PM2.5) are created as a by-product. The substances are created at the facility as a result of the handling of raw materials and the processes where the materials pass through.

No reduction options of PM10 or PM2.5 were implemented during this reporting period as they were completed in previous reporting years. The timeline for the plan was met two years ago.

Manganese was manufactured, processed or otherwise used at the facility in sufficient quantities to be reportable. Manganese is contained in a pigment and in the lattice structure of some crystalline components of sand.

Although Arriscraft does not intend to reduce the use of manganese, they will continue to conduct further research to identify new reduction options and to keep up with industry standards with regards to manganese pollution prevention.

No amendments were made to the Toxic Reduction Act Plan for PM2.5, PM10 or manganese.

The tables below compare the reporting amounts for the 2015 and 2016 calendar years.

**Accounting and Comparisons - Amount Used (tonnes)**

Substance	Year	Amount Used	Change
Manganese	2015	>100 to 1000	+11.76%, +25 tonnes
	2016	>100 to 1000	

**Accounting and Comparisons - Amount Created (tonnes)**

Substance	Year	Amount created	Change
Particulate Matter ≤ 2.5 Microns (PM2.5)	2015	>1 to 10	-29.93%, -0.44 tonnes
	2016	>1 to 10	
Particulate Matter ≤ 10 Microns (PM10)	2015	>1 to 10	-32.49%, -0.64 tonnes
	2016	>1 to 10	

### Accounting and Comparisons – Amount Released to Air (tonnes)

Substance	Year	Amount released to air	Change
Particulate Matter ≤ 2.5 Microns (PM2.5)	2015	>1 to 10	-29.93%,
	2016	>1 to 10	-0.44 tonnes
Particulate Matter ≤ 10 Microns (PM10)	2015	>1 to 10	-32.49%,
	2016	>1 to 10	-0.64 tonnes
Manganese	2015	>1 to 10	+18.92%,
	2016	>1 to 10	+0.0007 tonnes

### Accounting and Comparisons – Amount Contained in Product (tonnes)

Substance	Year	Amount Contained in Product	Change
Manganese	2015	>100 to 1000	+9.6%,
	2016	>100 to 1000	+13.43 tonnes

#### Reasons for changes in quantities (PM10, PM2.5):

There were changes made to the operations on-site, which are reflected in these numbers.

#### Reasons for changes in quantities (manganese):

Change in production levels.

### **3.0 Signed Certification Statement**

As of May 26, 2017, I, Peter Schmidt, 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.

**Particulate Matter  $\leq$  10 Microns (PM10)**

**Particulate Matter  $\leq$  2.5 Microns (PM2.5)**

**Manganese**

Peter Schmidt,  
Vice President, Manufacturing and Administration  
(electronic signature on file)