

Toxics Reduction Act - Public Summary Report - 2017 Reporting Year

1.0 Basic Facility Information

NPRI Number	10077
O Reg 127/01 Number	N/A
Number of full time employee equivalents	170
NAICS Code (2 digit)	31-33 - Manufacturing
NAICS Code (4 digit)	3279 - Other Non-Metallic Mineral Product Manufacturing
NAICS Code (6 digit)	327990 - All Other Non-Metallic Mineral Product Manufacturing
UTM Coordinates	17 N 552677 m E, 4807351 m N
Company Legal Name	Arriscraft Canada Inc.
Company Trade Name	Arriscraft Canada Inc.
Public Contact	Peter Schmidt Vice President, Production and Administration 875 Speedsville Road Cambridge, ON N3H 4S8 Tel: (519) 653-3275 peter.schmidt@arriscraft.com

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
MPO	-	-	>10 to 100
Used	-	-	>10 to 100
Created	>1 to 10	>1 to 10	-
Air	>1 to 10	>1 to 10	>0 to 1
Disposed	-	-	-
Recycled	-	-	-
Sewage	-	-	-
Spills	-	-	-
Landfill	-	-	-
On part	-	-	>10 to 100

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 three 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 a crystalline component 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 2016 and 2017 calendar years.

Accounting and Comparisons - Amount Used (tonnes)

Substance	Year	Amount Used	Change
Manganese	2016	>100 to 1000	-70.45%, -167.39 tonnes
	2017	>10 to 100	

Accounting and Comparisons - Amount Created (tonnes)

Substance	Year	Amount created	Change
Particulate Matter ≤ 2.5 Microns (PM2.5)	2016	>1 to 10	+6.80%, +0.07 tonnes
	2017	>1 to 10	
Particulate Matter ≤ 10 Microns (PM10)	2016	>1 to 10	+81.20%, +1.08 tonnes
	2017	>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)	2016	>1 to 10	+6.80%,
	2017	>1 to 10	+0.07 tonnes
Particulate Matter ≤ 10 Microns (PM10)	2016	>1 to 10	+81.20%,
	2017	>1 to 10	+1.08 tonnes
Manganese	2016	>0 to 1	-68.18%,
	2017	>0 to 1	-0.003 tonnes

Accounting and Comparisons – Amount Contained in Product (tonnes)

Substance	Year	Amount Contained in Product	Change
Manganese	2016	>100 to 1000	-82.66%,
	2017	>10 to 100	-126.72 tonnes

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

Emission estimate refinements.

Reasons for changes in quantities (manganese):

Updated chemical analysis showed change in composition.

3.0 Signed Certification Statement

As of May 30, 2018, 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)