Toxics Reduction Plan

- Public Summary

Particulate Matter ≤ 10 Microns
(CAS # - N/A)

Prepared for:
Arriscraft International LP
875 Speedsville Road
Cambridge, ON
N3H 4S8

Prepared by:
Airzone One Ltd.
222 Matheson Blvd E
Mississauga, ON
L4Z 1X1

December 17, 2013
1.0 Introduction

1.1 General Information

The facility is located at 875 Speedsville Road, Cambridge, Ontario. This plan is for PM10 (CAS#-N/A). A plan for PM2.5 (CAS#-N/A) has also been prepared for this facility.

Table 1-1 – General Facility Information

<table>
<thead>
<tr>
<th>NPRI Number</th>
<th>10077</th>
</tr>
</thead>
<tbody>
<tr>
<td>O Reg 127/01 Number</td>
<td>N/A</td>
</tr>
<tr>
<td>Number of full time employee equivalents</td>
<td>175</td>
</tr>
<tr>
<td>NAICS Code (2 digit)</td>
<td>31-33 - Manufacturing</td>
</tr>
<tr>
<td>NAICS Code (4 digit)</td>
<td>3279 - Other Non-Metallic Mineral Product Manufacturing</td>
</tr>
<tr>
<td>NAICS Code (6 digit)</td>
<td>327990 – All Other Non-Metallic Mineral Product Manufacturing</td>
</tr>
<tr>
<td>UTM Coordinates</td>
<td>17 N 552677 m E, 4807351m N</td>
</tr>
<tr>
<td>Company Legal Name</td>
<td>Arriscraft International LP</td>
</tr>
<tr>
<td>Company Trade Name</td>
<td>Arriscraft International LP</td>
</tr>
</tbody>
</table>

1.2 Plan Contacts

A list of the individuals involved in the planning process is provided below:

Public Contact

Tony Shaughnessy
Engineering Manager
875 Speedsville Road
Cambridge, ON
N3H 4S8
Tel: (519)653-3275
tony.shaughnessy@arriscraft.com
2.0 Facility’s Intent, Objectives and Targets

2.1. Use

The act requires that a facility include a statement of intent to reduce the use of the prescribed toxic substance. If the facility does not provide a statement of intent it must provide a reason why it does not intend or why it is not possible to reduce the use of the toxic substance. In addition to this, the facility is required to provide a list of objectives

Statement of intent:
The facility does not have a statement of intent for the use of PM10.

Reason why the facility does not have a statement of intent:
The facility does not have a statement of intent since PM10 does not enter the facility rather is created as an air emission, therefore it is not used.

Objectives: N/A

Quantity Target (if any): N/A

Target Timeline: N/A

Reason why toxic substance is used at the facility: N/A

2.2. Creation

The act requires that a facility include a statement of intent to reduce the creation of the prescribed toxic substance. If the facility does not provide a statement of intent it must provide a reason why it does not intend or why it is not possible to reduce the creation of the toxic substance.
**Statement of intent:** The facility intends to reduce the creation of PM10 by reducing fugitive emissions from the facility.

**Reason why the facility does not have a statement of intent:** N/A

**Objectives:** The facility will continue to explore other options on how to reduce the creation of PM10.

**Quantity Target:** 0.40 tonnes (24%)

**Target Timeline:** April 2014

**Reason why toxic substance is created at the facility:** The substance is created a by-product. The substance is created at the facility as a result of the handling of raw materials and the process where the materials pass through.
3.0 Facility’s Goals

The facility has chosen two options to reduce the creation of Particulate matter (PM10). The two options are under the categories of “Materials or Feedstock Substitution” and “Product Design and Reformulation”.

3.1. Materials or Feedstock Substitution

The facility has found that the option of receiving the pre-screened sand rather than screening it onsite is both technically and economically feasible. This change will eliminate fugitive dust emissions from the screening process.

<table>
<thead>
<tr>
<th>Total Amount Reported (tonnes)</th>
<th>1.71</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amount of Reductions (tonnes)</td>
<td>0.40</td>
</tr>
<tr>
<td>Percent Reduction</td>
<td>24%</td>
</tr>
<tr>
<td>Implementation Date</td>
<td>April 2014</td>
</tr>
</tbody>
</table>

3.2. Product Design or Reformulation

The facility has found that the option of using a different colourant is both technically and economically feasible. Smaller amounts of this colourant are required which eliminates the need to store the colourant outdoors. With the removal of this outdoor storage pile the facilities fugitive dust emissions will be reduced.

Table 3-2 PM10 Projected Reductions to Air from Product Design and Reformulation

<table>
<thead>
<tr>
<th>Total Amount Reported (tonnes)</th>
<th>1.71</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amount of Reductions (tonnes)</td>
<td>0.000181</td>
</tr>
<tr>
<td>Percent Reduction</td>
<td>0.01%</td>
</tr>
<tr>
<td>Implementation Date</td>
<td>April 2014</td>
</tr>
</tbody>
</table>
4.0 **Facility TRA Plan (info)**

This plan summary is accurate, up to date and reflects the current facility version of the Toxic Reduction Plan.

5.0 **Signed Certification Statements**
Certification by highest ranking employee

As of December 18, 2013 [date], I, Peter Schmidt, certify that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.

Particulate Matter ≤ 10 microns

Signed:

[Signature]

Peter Schmidt
Arriscraft International LP

Arriscraft International LP
Toxics Reduction Plan
Particulate Matter ≤ 10 microns (PM10) 17
Certification by toxic substance reduction planner

As of ___December 18, 2013___[date], I, Franco DiGiovanni, certify that I am familiar with the processes at Arriscraft International LP, that use or create the toxic substance referred to below, that I agree with the estimates referred to in subparagraphs 7 iii, iv and v of subsection 4 (1) of the Toxics Reduction Act, 2009 that are set out in the plan dated ___December 17, 2013___[version date] and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.

Particulate Matter ≤ 10 microns

Signed:

[Signature]

Franco DiGiovanni
Airzone One Ltd.