

## Toxic Substance Plan Summary and Certification

<b>Company Name:</b>	Signature Aluminum Canada Inc	<b>Parent Company:</b>	Global Aluminum USA Inc
<b>Address:</b>	1850 Clements Road, Pickering, Ontario	<b>Address:</b>	19605 E Walnut Dr N Walnut, CA 91789
<b>Number of Employees</b>	140	<b>UTM Spatial Coordinates</b>	43.82590 N -79.06040 W
<b>NAICS Code</b>	331317	<b>NPRI ID #</b>	0000003282
		<b>Ontario MOE ID #</b>	NA
<b>Facility Public Contact</b>	Mark Blackmore		
<b>Position</b>	Plant Manager	<b>Email</b>	
<b>Phone #:</b>	(905) 427-2214		Mark.blackmore@signaturealuminumcanada.com
<b>Toxic Substances</b>	<b>CAS#</b>		
PM10			

## Toxic Reduction Policy Statement of Intent

PM 10 is currently created and discharged to the atmosphere by various processes at the Signature facility. Signature intends to reduce the creation of this toxic substance at the facility. This facility does not use PM10; therefore this plan will not address reducing the use of this substance.

## Reduction Objectives

Signature Aluminum Canada Inc. prides itself on technological innovation in order to produce high quality products in an environmentally responsible manner. Signature will strive to reduce the creation of the toxic substance PM10 at the facility. Further, this plan will determine the technical and economic feasibility of each option identified in this plan to determine which, if any, are viable for implementation at this time.

## **Description of Substances**

Signature operations include the preparation of aluminum billets from aluminum scrap, Primary Ingots (PIG) and alloying agents added as required by the specifications for the individual alloys being produced.

Signature creates the Phase 2 toxic PM10 which is several operations including foundry, extrusion and comfort heating equipment. Signature created and discharged to the atmosphere 2.89 Tons of PM10 in 2012.

## **Toxic Substance Reduction Option to be implemented**

Signature Aluminum Canada Inc. has completed a Toxic Substance Reduction Plan for their Pickering facility and this plan has examined various options for the reduction in creation of PM10. Of the three (3) options developed and assessed in the plan, one of these options (Option #3) has been found to be technically and economically feasible and will be implemented by the facility.

## **Plan Summary Statement**

Signature Aluminum Canada Inc. has completed a Toxic Substance Reduction Plan for their Pickering facility and this plan has examined various options for the reduction in the creation of PM10. Of the three (3) options developed and assessed in the plan, one of these options (Options # 3) has been found to be technically and economically feasible. The implementation of this option will result in a reduction in the creation of the toxic substance of 0.018 tons or 0.62% per year.

## Certification By Highest Ranking Employee

As of December 30, 2013, I, Mark Blackmore, certify that I have read the toxic substance reduction plans for the toxic substances referred to below and am familiar with their contents, and to my knowledge the plans are factually accurate and comply with the *Toxics Reduction Act, 2009* and Ontario Regulation 455/09 (General) made under that Act.

**Toxic Substances:**

PM10



Signature

December 30, 2013

## Certification by Licensed Planner

As of December 30, 2013, I, Stewart McLellan (TSRP0257) certify that I am familiar with the processes at Signature Aluminum that use or create the toxic substances 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 toxic substance reduction plans referred to below for the toxic substances and that the plans comply with that Act and Ontario Regulation 455/09 (General) made under that Act.

**Toxic Substances:**

PM10- Plan Dated December 30, 2013



December 30, 2013

Stewart McLellan, C.E.T  
Toxic Substance Reduction Planner, TRSP0257  
Cardinal Environmental Consulting Services Ltd.