

Toxic Substance Plan Summary and Certification

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

Toxic Reduction Policy Statement of Intent

Copper, manganese and zinc are currently used by signature in their casting processes. Signature intends to reduce the use of these toxic substances at the facility. This facility does not create copper, manganese or zinc; therefore this plan will not address reducing its creation.

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 use of the toxic substances copper, manganese and zinc 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 uses the Phase I toxic substances copper, manganese and zinc which is generally received at the facility in scrap aluminum purchased and as high purity material added as alloying agents to bring the concentration of these parameters to within the specifications of each alloy (i.e. 7000 series alloys contain between 4.28 and 5.8% zinc). PIG aluminum may also contain minor quantities of these three substances.

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 the use of manganese, zinc and copper. Of the six (6) options developed and assessed in the plan, two of these options (Option #6) has been found to be technically and economically feasible.

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 use of manganese, zinc and copper. Of the six (6) options developed and assessed in the plan, two of these options (Options #5-modifying zinc purchasing procedures and Option 6-provide cross management training to employees) have been found to be technically and economically feasible. The implementation of these options will result in a reduction in the use of the three toxic substances of 0.03 tons per year of Manganese, 2.12 tons per year of zinc and 0.02 tons per year of copper.

Certification By Highest Ranking Employee

As of December 30, 2012, 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:

_____ December 30, 2012
Signature

Certification by Licensed Planner

As of December 27, 2012, 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:

Manganese – Plan Dated December 30, 2012

Zinc- Plan Dated December 30, 2012

Copper- Plan Dated December 30, 2012



_____ December 30, 2012
Signature