

Toxics Reduction Plan Summary – Zinc
Based on 2011 Data

Purity Zinc Metals
290 Arvin Avenue
Stoney Creek, Ontario L8E 2M1
Canada

Date: 24th April 2015
Project: 1708

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Statement of Intent and Objective of the Plan

Zinc is used at the facility because Zinc is the product sold by the facility.

Purity Zinc Metals is a U.S. owned business that has been producing the industry's highest purity grades of zinc dust, zinc alloys and zinc anodes for more than 40 years. Many of our clients are Global Fortune 500 companies and we export our zinc products worldwide.

We serve our customers with plants located in Stoney Creek, Ontario Canada, and Clarksville, Tennessee.

Purity Zinc Metals has built a reputation for quality zinc products that are underscored by availability and service. Commitment to quality, service and customer satisfaction have been the foundation of our success. Purity Zinc Metals is proud to be an active partner in so many of our customer's success.

Purity Zinc Metals (PZM) is committed to playing a leadership role in protecting the environment. Wherever feasible, we will eliminate or reduce the use, creation and discharge of toxic substances in full compliance with all federal and provincial regulations. Our employees are encouraged to participate in toxic substance reduction activities. The reduction projects listed here reflect the current plan. Toxic substance reduction will be an ongoing effort. We will continue to monitor technological advancements to ensure that technologically and financially viable options are implemented at our facility.

Even though Zinc is the product sold by Purity Zinc Metals, our goal is to reduce zinc at the facility through the following projects which are designed to improve efficiencies. It is important to understand that the business plan is to increase Zinc sales. Therefore, efficiency improvements may not show Zinc reductions.

Facility Information

Facility Description

Facility Name: Purity Zinc Metals
NPRI Identification Number: 0000004651
Two Digit NAICS Code: 33
Four Digit NAICS Code : 3314
Six Digit NAICS Code : 331490
Number of Full-time Employees: 30
UTM Spatial Coordinates (NAD83): 603385.18 m E, 4787296.82 m N

Owner of the Facility

Name: North American Zinc Company
Address: 290 Arvin Ave, Stoney Creek, Ontario, L8E 2M1
Phone Number: 905 662 4802
Fax Number: 905 664 3944
E-mail: info@purityzinc.com

Operator of the Facility

Name: Purity Zinc Metals
Address: 290 Arvin Ave, Stoney Creek, Ontario, L8E 2M1
Phone Number: 905 662 4802
Fax Number: 905 664 3944
E-mail: info@purityzinc.com

Toxic Substances for Which Facility Must Prepare Plan

Substance 1 (covered by this plan): Zinc
CAS Number: Not Applicable

Substance 2 (covered by Another plan): Copper
CAS Number: Not Applicable

Public Contact

Name: Mr. Cory Edwards
Position: Safety and Environmental Manager
Address: 290 Arvin Ave, Stoney Creek, Ontario, L8E 2M1
Phone Number: 905 662 4802
Fax Number: 905 664 3944
E-mail: cedwards@purityzinc.com

Project Title	Estimated Project Start Date	Estimated Project Completion Date	Estimated Reductions (kg)
Improved Tank Sealing at Furnace	November 2014	November 2016	190–1,267 (to air)
Automatic Nozzle Cleaning	November 2014	November 2016	118–394 (to air)
Increasing Preventative Maintenance	November 2014	January 2015	6.91 – 691 (to air)
Reduced Stock	November 2014	November 2014	45 – 90 (in product re-work)
Storage Management Training	November 2014	May 2015	45 – 90 (in product re-work)
Side Station Packaging Training	November 2014	May 2015	27 (in product re-work)

Plan Certification By Highest Ranking Employee

As of 5th November 2014, I, Walter Faggion, 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.

Zinc



Walter Faggion, President – Purity Zinc Metals

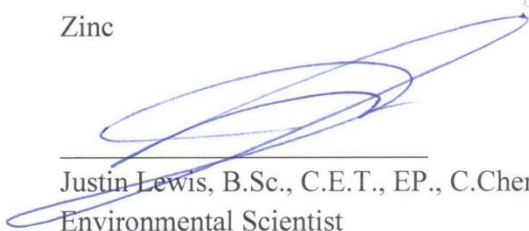
Nov. 6, 2014

Date

Certification By Licensed Planner

As of 5th November, I, Justin Lewis, certify that I am familiar with the processes at Purity Zinc Metals 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 29th October 2014 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.

Zinc



Justin Lewis, B.Sc., C.E.T., EP., C.Chem.

Environmental Scientist

Toxics Reduction Planner License No. TSRP0193

6 Nov 14

Date