

2014 Annual Public Report – Copper  
Based on 2013 Data

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

Date: 24<sup>th</sup> April 2015

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## **Introduction**

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. Toxic substance reduction will be an ongoing effort, and we will continue to monitor technological advancements to ensure that options that are both technologically and financially viable are implemented at our facility.

## **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 report): Zinc  
CAS Number: Not Applicable

Substance 2 (covered by another report): 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

### Toxic Substance Accounting and Progress Results

Year	Zinc In (Tonnes)	Percent of Previous Year	Mass Change (Tonnes)	Zinc Out in product (Tonnes)	Percent of Previous Year	Mass Change (Tonnes)	Zinc to Air (Tonnes)	Percent of Previous Year	Mass Change (Tonnes)
2012	15,223	22.76%	2,822.49	14,599	22.20%	2,652.11	0.023	42.17%	6.77E-03
2013	12,589	-17.30%	-2,633.46	12,051	-17.46%	-2,548.52	0.022	-3.51%	-8.00E-04

### **Methods Used To Track and Quantify The Toxic Substance**

There has not been a change in the method used to track or quantify the toxic substance.

### **Significant Process Change**

There was not a significant process change at the facility during the previous calendar year.

### **Objectives of the Toxic Reduction Plan**

<b>Project Title</b>	<b>Estimated Project Start Date</b>	<b>Estimated Project Completion Date</b>
Improved Tank Sealing at Furnace	November 2014	November 2016
Automatic Nozzle Cleaning	November 2014	November 2016
Increasing Preventative Maintenance	November 2014	January 2015
Reduced Stock	November 2014	November 2014
Storage Management Training	November 2014	May 2015

### **Progress**

Reduction estimates are not available since the projects have not been completed. There are no differences between the steps taken and those set out in the plan. There have been no amendments to the plan. All variations in yearly data are due to production changes.

### **Certification**

In accordance with s.19 of O.Reg. 455/09, the highest ranking employee at the facility electronically certified the Toxic Substance Plan. A copy of the electronic certificate is provided below.

# Report Submission and Electronic Certification

## NPRI - Electronic Statement of Certification

Specify the language of correspondence

English

Comments (optional)

I hereby certify that I have exercised due diligence to ensure that the submitted information is true and complete. The amounts and values for the facility(ies) identified below are accurate, based on reasonable estimates using available data. The data for the facility(ies) that I represent are hereby submitted to the programs identified below using the Single Window Reporting Application.

I also acknowledge that the data will be made public.

Note: Only the person identified as the Certifying Official or the authorized delegate should submit the report(s) identified below.

Company Name

North American Zinc Co.

Certifying Official (or authorized delegate)

Andrea Benja

Report Submitted by

Walter Faggion

I, the Certifying Official or authorized delegate, agree with the statements above and acknowledge that by pressing the "Submit Report(s)" button, I am electronically certifying and submitting the facility report(s) for the identified company to its affiliated programs.

## ON MOE TRA - Electronic Certification Statement

### Annual Report Certification Statement

#### TRA Substance List

CAS RN	Substance Name
NA - 06	Copper (and its compounds)
NA - 14	Zinc (and its compounds)

Company Name

North American Zinc Co.

Highest Ranking Employee

Walter Faggion

Report Submitted by

Walter Faggion

I, the highest ranking employee, agree with the certification statement(s) above and acknowledge that by checking the box I am electronically signing the statement(s). I also acknowledge that by pressing the 'Submit Report(s)' button I am submitting the facility record(s)/report(s) for the identified facility to the Director under the Toxics Reduction Act, 2009. I also acknowledge that the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 provide the authority to the Director under the Act to make certain information as specified in subsection 27(5) of Ontario Regulation 455/09 available to the public.

Submitted Report

Period	Submission Date	Facility Name	Province	City	Programs
2013	27/02/2015	Purity Zinc Metals	Ontario	Stoney Creek	NPRI, ON MOE TRA

Note: If there is a change in the contact information for the facility, a change in the owner or operator of the facility, if operations at the facility are terminated, or if information submitted for any previous year was mistaken or inaccurate, please update this information through SWIM or by contacting the National Pollutant Release Inventory directly.