

2016 Annual Public Report – Zinc
Based on 2015 Data

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

Date: 12th May 2016

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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: 37
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)
2014	13,669	8.57%	1,079.24	13,688	13.59%	1,637.11	0.021	-6.52%	-1.43E-03
2015	13,691	0.16%	22.54	12,923	-5.59%	-765.18	0.020	-1.82%	-3.75E-04

The variation in the numbers is due to production changes.

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

Project Title	Estimated Project Start Date	Estimated Project Completion Date
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

Project Title	Estimated Reduction (kg)	Percent Complete	Theoretical Reduction (kg)
Improved Tank Sealing	190 - 1267	100%	190 - 1267
Automatic Nozzle Cleaning	118 - 394	20%	23.6 - 78.8
Increasing Preventative Maintenance	6.91 - 691	100%	6.91 - 691
Reduced Stock	45 - 90	100%	45 - 90
Storage Management Training	45 - 90	100%	45 - 90
Side Station Packaging Training	27	100%	27

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

As of 17th May 2016, I, Mr. Doug Dobbs, certify that I have read the report on the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the information contained in the report is factually accurate and the report complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.

Zinc



Signature