Ontario Toxics Reduction Act- Annual Public Report

Reporting Year 2014

MSSC

BASIC COMPANY INFORMATION

National Pollutant Release Inventory (NPRI) ID: 0805

NAICS ID:
2 digit: 33- Manufacturing
4 digit: 3363 – Motor Vehicle Parts Manufacturing
6 digit: 336330 - Motor Vehicle Steering and Suspension Components (except Spring) Manufacturing

Legal and Trade Name of the Owner and Operator, street (and mailing) address:
MSSC, 201 Park Avenue East, Chatham, Ontario N7M 3V7

Public contact:
Jim Hall, Environmental Manager Phone: 519-354-1100
Email: James.Hall@msscna.com

Number of full-time employee equivalents at the facility: 280

Spatial Coordinates of the facility:
Latitude: 42.40060N, Latitude: -82.17390E
UTM Zone: 17N

List of Toxic Substances created at the facility:
Manganese – CAS Number: No single CAS number applies
Zinc – CAS Number: No single CAS number applies
PM_{10} - CAS Number: No single CAS number applies

Facility's approach to toxic substance accounting:
Mass balance for 'contained in product' based on incoming inventory records (materials entering facility), formula composition for waste characterization data and waste manifests for off-site disposal. No inventory due to order on demand system.

Facility's Objectives and Targets:
The facility's goal is to continue to investigate ways to reduce the use of Manganese, Zinc and natural gas which produces Particulate Matter. Due to the fact that their customer mandates specific material compositions be used to meet customer performance specifications, the company is unable to commit to a specific option for reduction.

The name of the substance and the Chemical Abstracts Service (CAS) Registry number for the facility:

Name: Manganese CAS Number: No single CAS number applies

TRA comparisons for 2011, 2012 and 2013 for Manganese:

Categories	Change in Tracking / Quantification	2011 Reporting Year (tonnes)	2012 Reporting Year (tonnes)	2013 Reporting Year (tonnes)	2014 Reporting Year (tonnes)	Percent Change *
Used	**No**	116.689	20.512	8.063	168.754	+45%
Created	**No**	0	0	0	0	**N/A**
Transformed	**No**	0	0	0	0	**N/A**
Destroyed	**No**	0	0	0	0	**N/A**
On-site Release	**No**	0.0011	0.00185	0.003	0.003	**+172%**
Off-site Disposal	**No**	0				**N/A**
Off-site Recycling	**No**	16.2237	13.52	4.431	5.155	-68%
Contained in Product	**No**	100.472	6.9909	3.629	159.96	+59%

based on detailed accounting

NOTE: Accounting information is also located on the Environment Canada NPRI website and the Ontario Ministry of the Environment Toxic Reduction website.

If the comparison indicates a change in the quantification of the substance between calendar years and explanation of the reasons for the change:

The amount of product used which contained Manganese increased in 2014 by 44% when compared to the base year 2011. The use of Manganese increased as production of products using materials that contain Manganese increased from the base year. There are no economical or feasibility options or substitutions at this time.

The name of the substance and the Chemical Abstracts Service (CAS) Registry number for the facility:

Name: Zinc CAS Number: No single CAS number applies

TRA and NPRI quantifications comparison for 2012, 2013 and 2014 for Zinc:

Categories	Change in Tracking / Quantification	2012 Reporting Year (tonnes)	2013 Reporting Year (tonnes)	2014 Reporting Year (tonnes)	Percent Change *
Used	**No**	**20.398**	**54.096**	**53.364**	+ 162%
Created	**No**	0	0	0	**N/A**
Transformed	**No**	0	0	0	**N/A**
Destroyed	**No**	0	0	0	**N/A**
On-site Release	**No**	0	0	0	**N/A**
Off-site Disposal	**No**	0	0	0	**N/A**
Off-site Recycling	**No**	2.204	3.5265	2.204	+ 0%
Contained in Product	**No**	18.194	50.569	51.16	**N/A**

based on detailed accounting

NOTE: Accounting information is also located on the Environment Canada NPRI website and the Ontario Ministry of the Environment Toxic Reduction website.

If the comparison indicates a change in the quantification of the substance between calendar years and explanation of the reasons for the change:

The amount of product containing Zinc increased in 2013 and 2014 when compared to the base year of 2012. The increase was due to an increase in production of products using materials that contain Zinc. There are no economical or feasibility options or substitutions at this time.

The amount of recycling remains the same as that of 2012.

The name of the substance and the Chemical Abstracts Service (CAS) Registry number for the facility:

Name: Particulate Matter 10 (PM_{10}) CAS Number: No single CAS number applies

TRA and NPRI quantification comparison for 2012 and 2013 for PM_{10}**:**

Categories	Change in Tracking / Quantification	2012 Reporting Year (tonnes)	2013 Reporting Year (tonnes)	2014 Reporting Year (tonnes)	Percent Change *
Used	**No**	**0**	**0**	**0**	N/A
Created	**No**	**0.6456**	**0.6806**	**0.6978**	+8%
Transformed	**No**	0	0	0	**N/A**
Destroyed	**No**	0	0	0	**N/A**
On-site Release	**No**	**0.6456**	**0.66806**	**0.6978**	**+8%**
Off-site Disposal	**No**	0	0	0	**N/A**
Off-site Recycling	**No**	0	0	0	**N/A**
Contained in Product	**No**	0	0	0	**N/A**

based on detailed accounting

NOTE: Accounting information is also located on the Environment Canada NPRI website and the Ontario Ministry of the Environment Toxic Reduction website.

If the comparison indicates a change in the quantification of the substance between calendar years and explanation of the reasons for the change:

The amount of PM_{10} released increased in 2013 and 2014 when compared to the base year of 2012.

Statement of Certification

As the Highest Ranking Employee at the Facility (or authorized delegate), I certify that I have read the toxic substance reports and am familiar with with the content. To the best of my knowledge the report is factually accurate, and the report complies with the Toxic Reduction Act, 2009, and Ontario Regulations 455/09 and 125/10.

_____ _____

MSSC **Date**