TOXIC REDUCTION PLAN SUMMARY

MANGANESE AND ITS COMPOUNDS

Prepared For: Linamar Performance Centre

Date: December 31st, 2017

Basic Facility Information

Facility Identification and Site Address		
Company Name	Linamar Corporation	
Facility Name	Linamar Performance Centre	
Facility Address	**Physical Address:**	**Mailing Address: *(if different)***
	30 Minto, Road Guelph, Ontario N1K 1H5	*Same as Physical Address*
Spatial Coordination of Facility *(UTM NAD83)*	Zone: 17 Easting: 555062 Northing: 4820106	
Number of Employees	360	
NPRI ID	11378	

Parent Facility (PC) Information	
PC Name & Address	Linamar Corporation 287 Speedvale Ave West Guelph, Ontario, N1H 1C5
Percent Ownership for each PC	100%
Business Number for PC	103333662

Primary North American Industrial Classification System Code (NAICS)	
2 Digit NAICS Code	33 - Manufacturing
4 Digit NAICS Code	3363 - Motor vehicle parts manufacturing
6 Digit NAICS Code	336310 - Motor vehicle gasoline engine and engine parts manufacturing

Facility Contact Information		
Facility Public Contact	Michael Jones, *Environmental Coordinator*	*Same address as facility*
	mike.jones@linamar.com	
	Phone: 519-821-1429 Ext: 23038	

Planner Information		
Planner Responsible for Making Recommendations and Certifying the Plan.	Melissa Gould, *Group EHS Manager*	545 Elmira Road North Guelph Ontario N1K 1C2
	melissa.gould@linamar.com	
	Phone: 226-326-0115 Ext. 37673	
	License Number: TSRP0259	

1.0 Plan Summary Statement

This toxic substance reduction plan summary for Manganese (and its Compounds) accurately reflects the content of the toxic substance reduction plan for Linamar Performance Centre (LPC), a Division of Linamar Corporation, dated December 31st, 2017.

2.0 Description of the Toxic Substance

Manganese (and its compounds) is a constituent of the raw materials used in the manufacturing of parts for the automotive industry. Manganese (and its compounds) is not created on-site.

3.0 Statement of Intent

LPC is committed to playing a leadership role in protecting the environment. Where feasible, LPC reduces the use of Manganese (and its compounds) in compliance with all applicable Federal and Provincial regulations.

4.0 Objectives

The objective was to identify feasible reduction options to reduce the use of Manganese (and its compounds) on-site.

5.0 Reduction Options to Be Implemented

The facility was unable to identify any reduction options that are both technically and economically feasible. Therefore, no reduction options to reduce the use of Manganese (and its compounds) will be implemented at the facility at this time.

6.0 Certifications

Certifications from the Highest Ranking Employee at the facility as well as the Licensed Toxic Substance Reduction Planner are attached.

CERTIFICATION BY HIGHEST RANKING EMPLOYEE

As of December 19th , 2017, I, Chris Bannayan, 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.

Manganese (and its Compounds)

Chris Bannayan
Operations Manager
Linamar Performance Centre, a Division of Linamar Corporation

19/12/2017
Date

CERTIFICATION BY A LICENSED PLANNER

As of December 19th, 2017, I, Melissa Gould, certify that I am familiar with the processes at Linamar Performance Centre (LPC), 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 December 31st, 2017 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.

Manganese (and its Compounds)

M Gould

Melissa Gould
Group EHS Manager, Linamar Corporation
Planner License No. TSRP0259, Expiry Date: 9/30/2022

Dec 19/17

Date