

Plan Summary
 Quadrad Manufacturing a Division of Linamar Holdings
 Guelph Ontario

Name & CAS # of Substance	Copper	7439-96-5
Facility Identification and Site Address		
Company Name	Linamar Holdings Inc.	
Facility Name	Quadrad Manufacturing a Division of Linamar Holdings Inc.	
Facility Address	Physical Address:	Mailing Address: (if different)
	30 Malcolm Road Guelph Ontario N1K 1A9	
Spatial Coordination of Facility	Easting: Northing: 43.53840,-80.31840	
Number of Employees	431	
NPRI ID	7120	
Ontario MOE ID Number		
Parent Company (PC) Information		
PC Name & Address Percent	Linamar Corporation, 287 Speedvale Avenue West, Guelph, Ontario N1H 1C5 100 percent	
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 Manufacturing	
6 Digit NAICS Code	336350 - Motor Vehicle Transmission and Power Train Parts Manufacturing	
Company Contact Information		
Facility Public Contact	Ray Iravani	
	Ray.iravani@linamar.com	
	Phone: (519) 767-0219 X600	Same address as facility
	Fax: ((519) 767-0028	
Facility Technical Contact	Lisa Wheeldon	
	Lisa.wheeldon@linamar.com	
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	Fax: ((519) 767-0028	

Plan Summary Statement

This plan summary reflects the content of the toxic substance reduction plan for Quadrad Manufacturing a Division of Linamar Holdings Inc. for Copper.

Statement of Intent

Quadrad Manufacturing a Division of Linamar Holdings Inc. (Quadrad) is committed to playing a leadership role in protecting the environment. Whenever feasible, we will reduce the use of Copper in compliance with all Federal and Provincial Regulations.

Objectives

Quadrad prides itself on technological innovation in order to produce high quality automotive parts in an environmentally responsible manner. Through this plan, Quadrad will determine the technical and economic feasibility of each option to determine which, if any, are viable for implementation at this time.

Reduction Options to be implemented

The following options have been identified for implementation to reduce the use and/or amount of Copper transferred:

- Work with suppliers to reduce foundry defects received
- Implement training practices/procedures amongst machine operators to reduce scrap materials

Work with suppliers to reduce foundry defects received.

This option is an on-going procedure at Quadrad, with annual reduction targets that will change from year to year. The schedule for this reduction option is given below:

Step	Description	Estimated Timelines
1	Discussions with foundry supplier	January 2015 - Ongoing
2	Implement improvements to inventory management system	January 2015 – Ongoing
3	Timeline for implementation of copper reductions	End of January 2016

Implement training practices/procedures amongst machine operators to reduce scrap materials

This option is an on-going procedure at Quadrad, with annual reduction targets that will change from year to year. The schedule for this reduction option is given below:

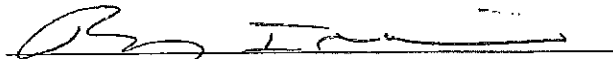
Step	Description	Estimated Timelines
1	Review scrap procedures and identify improvement opportunities	January 2015 – ongoing
2	Provide Training Sessions to Operators on handling scrap	Annually
3	Timeline for implementation of Copper Reductions	End of 2016

Quadrad has carefully reviewed the toxic substance use reduction options to ensure that there is no net negative impact to the environment or public health. The selected options will serve to reduce the amount of Copper used in the process, and will not create any toxic by-products.

CERTIFICATION BY HIGHEST RANKING EMPLOYEE

As of December 19, 2014, I, Ray Iravani, 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.

Copper




Ray Iravani
General Manager

Quadrad Manufacturing a Division of Linamar Holdings Inc.

CERTIFICATION BY LICENSED PLANNER

As of December 19, 2014, I, Melissa Gould, certify that I am familiar with the processes at Quadrad 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 19, 2014 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.

Copper



Melissa Gould [Planner License #] **TSRP0259**
EHS Specialist

Linamar Gear a Division of Linamar Holdings Inc.