

PLAN SUMMARY

Linamar Gear

32 Independence Place

Guelph, Ontario, Canada

N1K 1H8

Facility Information		
Name & CAS # of Substance	Chromium	7440-47-3
Substances for which other plans have been prepared	Methanol	67-56-1
Facility Identification and Site Address		
Company Name	Linamar	
Facility Name	Linamar Gear	
Facility Address	32 Independence Place, Guelph, ON N1K 1H8	
Spatial Coordinates of Facility	NAD83 (easting 555818.56, northing 4819775.08)	
Number of Employees	520	
NPRI ID	11073	
Ontario MOE ID Number		
Parent Company (PC) Information		
PC Name & Address	Linamar Corporation, 287 Speedvale Ave. West, Guelph, ON N1H 1C5	
Percent Ownership of PC	100%	
Business Number for PC	103333662	
Primary North American Industrial Classification System Code (NAICS)		
2 Digit NAICS Code	33	
4 Digit NAICS Code	3327	
6 Digit NAICS Code	332810	
Company Contact Information		
Facility Public Contact	Mr. Craig Ferneyhough	
	craig.ferneyhough@linamar.com	
	519-827-9423	
	NA	
Parent Company Contact Information		
Parent Company Contact	Not Applicable	

PLAN SUMMARY STATEMENT

This plan summary reflects the content of the toxic substance reduction plan for LINAMAR GEAR for CHROMIUM, prepared Stephanie Smith (EHS Coordinator for Linamar Gear) and Melissa Gould (Toxic Reduction Planner, Planner License #TSRP0259).

DESCRIPTION OF SUBSTANCE

CHROMIUM is a toxic substance which enters the facility at the receiving stage, where it is contained within the casting (metal component). LINAMAR GEAR machines the metal components to customer specifications. The final product is sent to various customers. LINAMAR GEAR does not create chromium, destroy chromium or change the chromium composition during the machining process. All waste chromium is sent off-site for recycling.

STATEMENT OF INTENT

LINAMAR GEAR is committed to playing a leadership role in protecting the environment. Whenever feasible, LINAMAR GEAR will eliminate and reduce the use of CHROMIUM in full compliance with all Federal and Provincial Regulations.

REDUCTION OBJECTIVES

LINAMAR GEAR prides itself on technical innovation in order to produce high quality automotive components in an environmentally responsible manner.

This plan documents the options available to LINAMAR GEAR to optimize the use of chromium at the facility.

At this time, there are no specific targets for reduction, however, as is our standard practice, LINAMAR GEAR will continue to focus on continuous improvement opportunities to reduce our use of chromium through efforts in improving the training of staff to reduce scrap produced. Training can teach employees how to effectively make sure they are building parts to the correct size and improvements to the procedure can assist LINAMAR GEAR in identifying errors earlier to reduce the amount of rejected parts we send to recycling therefore reducing the amount of chromium used.

This facility does not create chromium, therefore the plan does not address reducing its creation.

<i>Compound</i>	<i>CAS No.</i>	<i>Amount</i>	<i>Amount</i>	<i>Air Release</i>	<i>Amount</i>	<i>Amount</i>	<i>Amount</i>
		<i>Used</i>	<i>Created</i>	<i>Estimate</i>	<i>Disposed</i>	<i>Transferred</i>	<i>Contained in Product</i>
		<i>(tonnes/yr)</i>	<i>(tonnes/yr)</i>	<i>(tonnes/yr)</i>	<i>(tonnes/yr)</i>	<i>(tonnes/yr)</i>	<i>(tonnes/yr)</i>
Chromium	7440-47-3	93.517	0	0	0	84.784	8.733

REDUCTION OPTIONS TO BE IMPLEMENTED

LINAMAR GEAR's commitment to continuous improvement has resulted in a lean and efficient manufacturing facility.

The facility's continuous improvement measures, coupled with the acknowledgment that the customer provides the specifications for the raw materials processed at the site mean that there are no additional options for the facility to implement.

CERTIFICATION BY HIGHEST RANKING EMPLOYEE

As of December 28, 2012, I, Craig Ferneyhough, 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 made under the Act.

Toxic Substance: Chromium

Craig Ferneyhough
General Manager

Linamar Gear

CERTIFICATION BY LICENSED PLANNER

As of December 28, 2012, I, Melissa Gould, certify that I am familiar with the processes at Linamar Gear 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 December 28, 2012 and the plan complies with that Act and Ontario Regulation 455/09 made under the act.

Toxic Substance: Chromium

Melissa Gould

Planner License #TSRP0259 Expiry Date: 9/30/2017

melissa.gould@linamar.com

PLAN SUMMARY

Linamar Gear

32 Independence Place

Guelph, Ontario, Canada

N1K 1H8

Facility Information		
Name & CAS # of Substance	Methanol	67-56-1
Substances for which other plans have been prepared	Chromium	7440-47-3
Facility Identification and Site Address		
Company Name	Linamar	
Facility Name	Linamar Gear	
Facility Address	32 Independence Place, Guelph, ON N1K 1H8	
Spatial Coordinates of Facility	NAD83 (easting 555818.56, northing 4819775.08)	
Number of Employees	520	
NPRI ID	11073	
Ontario MOE ID Number		
Parent Company (PC) Information		
PC Name & Address	Linamar Corporation, 287 Speedvale Ave. West, Guelph, ON N1H 1C5	
Percent Ownership of PC	100%	
Business Number for PC	103333662	
Primary North American Industrial Classification System Code (NAICS)		
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4 Digit NAICS Code	3327	
6 Digit NAICS Code	332810	
Company Contact Information		
Facility Public Contact	Mr. Craig Ferneyhough	
	craig.ferneyhough@linamar.com	
	519-827-9423	
	NA	
Parent Company Contact Information		
Parent Company Contact	Not Applicable	

PLAN SUMMARY STATEMENT

This plan summary reflects the content of the toxic substance reduction plan for LINAMAR GEAR for METHANOL, prepared Stephanie Smith (EHS Coordinator for Linamar Gear) and Melissa Gould (Toxic Reduction Planner, Planner License #TSRP0259).

STATEMENT OF INTENT

LINAMAR GEAR is committed to playing a leadership role in protecting the environment. Whenever feasible, LINAMAR GEAR will eliminate and reduce the use of METHANOL in full compliance with all Federal and Provincial Regulations.

DESCRIPTION OF SUBSTANCE

METHANOL is a toxic substance which enters the facility at the receiving stage, where it is received by a tanker in liquid form and stored in a storage tank. Methanol is used to provide carbon free atmosphere in the heat treatment furnaces. Methanol is transferred via pipeline to heat treatment furnaces of the production stage. At the production stage all methanol is consumed in heat treatment process and exhausted with combustion gasses. There is no waste methanol that needs to be disposed of in the process.

REDUCTION OBJECTIVES

LINAMAR GEAR prides itself on technical innovation in order to produce high quality automotive components in an environmentally responsible manner.

This plan documents the options available to LINAMAR GEAR to reduce the use of methanol at the facility.

At this time, there are no specific targets for reduction, however, LINAMAR GEAR will be investigating a change to endo-gas furnaces in order to eliminate the use of methanol.

Until a final decision is made on a complete change to endo-gas furnaces, LINAMAR GEAR will continue to improve our preventative maintenance practices on methanol tanks/piping in an effort to reduce the use of methanol.

In addition, as our standard practice, we will continue to meet regularly to discuss continuous improvement opportunities to reduce our use of methanol.

This facility does not create methanol, therefore the plan does not address reducing its creation.

The plan to change to endo-furnaces is expected to be implemented by the end of 2013 and will result in a total reduction of the use of methanol.

The table below shows a summary of the expected use, creation and release of methanol after the plan is implemented.

Amount Amount Air Release Amount Amount Amount

			<i>Used</i>	<i>Created</i>	<i>Estimate</i>	<i>Disposed</i>	<i>Transferred</i>	<i>Contained in Product</i>
	<i>Compound</i>	<i>CAS No.</i>	<i>(tonnes/yr)</i>	<i>(tonnes/yr)</i>	<i>(tonnes/yr)</i>	<i>(tonnes/yr)</i>	<i>(tonnes/yr)</i>	<i>(tonnes/yr)</i>
Current 2011 Use	Methanol	67-56-1	99,999	0	0	0	0	0
After installation of endo-gas furnaces	Methanol	67-56-1	0	0	0	0	0	0

REDUCTION OPTIONS TO BE IMPLEMENTED

LINAMAR GEAR's commitment to continuous improvement has resulted in a lean and efficient manufacturing facility.

The facility's continuous improvement measures, coupled with the acknowledgement that there are no other known technological / economical options for the facility to implement at this time.

CERTIFICATION BY HIGHEST RANKING EMPLOYEE

As of December 28, 2012, I, Craig Ferneyhough, 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 made under the Act.

Toxic Substance: Methanol

Craig Ferneyhough
General Manager

Linamar Gear

CERTIFICATION BY LICENSED PLANNER

As of December 28, 2012, I, Melissa Gould, certify that I am familiar with the processes at Linamar Gear 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 December 28, 2012 and the plan complies with that Act and Ontario Regulation 455/09 made under the act.

Toxic Substance: Methanol

Melissa Gould

Planner License #TSRP0259 Expiry Date: 9/30/2017

melissa.gould@linamar.com