



# National Pollutant Release Inventory (NPRI) and Partners



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## Report Preview

### Report Details

Report Year	2018
Report Type:	NPRI,ON MECP TRA
Report Status:	Submitted
Modified Date/Time:	01/05/2019 2:55 PM

### Company and Facility Details

Company Name:	Linamar Corp.
Business Number:	103333662
Mailing Address:	Delivery Mode: GeneralDelivery Address Line 1: 287 Speedvale Avenue West City, Province/Territory, Postal Code: Guelph Ontario N1H 1C5 Country: Canada
Facility Name:	Comtech Mfg.
NAICS Code:	336360
NPRI ID:	10105
Portable:	No
Physical Address:	Address Line 1: 355 Silvercreek Parkway North City, Province/Territory, Postal Code: Guelph Ontario N1H 1E6 Country: Canada Latitude: 43.547 Longitude: -80.2901 UTM Zone: 17 UTM Easting: 557347 UTM Northing: 4821806

### Parent Companies

Company Name:	Linamar Corporation
Business Number:	103333662
Civic Address:	Address Line 1: 287 Speedvale Avenue City, Province/Territory, Postal Code: Guelph Ontario N1H 1C5 Country: Canada Latitude: 43.547 Longitude: -80.2901

### Contacts Details

Contact Type	Technical Contact
Name:	Valeria Szabo

Position: System Coordinator  
Telephone: 5198217576  
Extension: 14409  
Fax: 5198365621  
Email: valeria.szabo@linamar.com

Contact Type: Certifying Official, Highest Ranking Employee

Name: Zlatko Cado

Position: General Manager

Telephone: 5198217576

Extension: 14600

Fax: 5198214216

Email: zlatko.cado@linamar.com

Contact Type: Person who prepared the report

Name: Jenna Devereaux

Position: Environmental Scientist

Telephone: 2263260115

Extension: 37676

Email: Jenna.Devereaux@Linamar.com

Mailing Address: Address Line 1: 545 Elmira Road  
City, Province/Territory, Postal Code: Guelph Ontario N1K 1C2  
Country: Canada

Contact Type: Person who coordinated the preparation of the Toxics Reduction Plan

Name: Melissa Gould

Position: EHS Specialist

Telephone: 5198279423

Email: melissa.gould@linamar.com

Mailing Address: Delivery Mode: GeneralDelivery  
Address Line 1: 32 Independence Place  
City, Province/Territory, Postal Code: Guelph Ontario N1K 1H8  
Country: Canada

## General Information

Number of employees: 444

Activities for Which the 20,000-Hour Employee Threshold Does Not Apply: None of the above

Activities Relevant to Reporting Dioxins, Furans and Hexacholorobenzene: None of the above

Activities Relevant to Reporting of Polycyclic Aromatic Hydrocarbons (PAHs): Wood preservation using creosote: No

Is this the first time the facility is reporting to the NPRI (under current or past ownership): No

Is the facility controlled by another Canadian company or companies:

Yes

Is the facility required to report one or more NPRI Part 4 substances (Criteria Air Contaminants):

No

### Substance List

CAS RN	Substance Name	Releases	Releases (Speciated VOCs)	Disposals	Recycling	Unit
NA - 06	Copper (and its compounds)	N/A	N/A	N/A	26.2700	tonnes
NA - 14	Zinc (and its compounds)	N/A	N/A	N/A	6.8300	tonnes

### Applicable Programs

CAS RN	Substance Name	NPRI	ON MECP TRA	ON MECP Reg 127/01	First report for this substance to the ON MECP TRA
NA - 06	Copper (and its compounds)	Yes	Yes		No
NA - 14	Zinc (and its compounds)	Yes	Yes		No

### General Information about the Substance - Releases and Transfers of the Substance

CAS RN	Substance Name	Was the substance released on-site	The substance will be reported as the sum of releases to all media (total of 1 tonne or less)	1 tonne or more of a Part 5 Substance (Speciated VOC) was released to air
NA - 06	Copper (and its compounds)	No	No	No
NA - 14	Zinc (and its compounds)	No	No	No

### General Information about the Substance - Disposals and Off-site Transfers for Recycling

CAS RN	Substance Name	Was the substance disposed of (on-site or off-site), or transferred for treatment prior to final disposal	Is the facility required to report on disposals of tailings and waste rock for the selected reporting period	Was the substance transferred off-site for recycling
NA - 06	Copper (and its compounds)	No	No	Yes
NA - 14	Zinc (and its compounds)	No	No	Yes

### General Information about the Substance - Nature of Activities

CAS RN	Substance Name	Manufacture the Substance	Process the Substance	Otherwise Use of the Substance
NA - 06	Copper (and its compounds)	For on-site use/processing	As a formulation component	Ancillary/other use
NA - 14	Zinc (and its compounds)	For on-site use/processing	As a formulation component	Ancillary/other use

### TRA Quantifications

CAS RN	Substance Name	Use, Creation, Contained in Product	Quantity	Use ranges for public reporting
NA - 06	Copper (and its compounds)	Use	166.38 tonnes	Yes
NA - 06	Copper (and its compounds)	Creation	0 tonnes	Yes
NA - 06	Copper (and its compounds)	Contained in Product	140.10 tonnes	Yes
NA - 14	Zinc (and its compounds)	Use	47.39 tonnes	Yes
NA - 14	Zinc (and its compounds)	Creation	0 tonnes	Yes
NA - 14	Zinc (and its compounds)	Contained in Product	40.55 tonnes	Yes

### TRA Quantifications - Others

CAS RN	Substance Name	Change in Method of Quantification	Reasons for Change	Description of how the change impact tracking and quantification of the substance	Description of how an incident(s) affected quantifications	Significant Process Change	Reason for the significant process change
NA - 06	Copper (and its compounds)					No	
NA - 14	Zinc (and its compounds)					No	

### On-site Releases - Reasons for Changes in Quantities Released from Previous Year

CAS RN	Substance Name	Reasons for Changes in Quantities from Previous Year	Comments
NA - 06	Copper (and its compounds)	No significant change (i.e. <10% or no change)	
NA - 14	Zinc (and its compounds)	No significant change (i.e. <10% or no change)	

## Disposals - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Disposed	Reasons for Changes in Quantities from Previous Year	Comments
NA - 06	Copper (and its compounds)		No significant change (i.e. <10% or no change)	
NA - 14	Zinc (and its compounds)		No significant change (i.e. <10% or no change)	

## Recycling - Off-site Transfers for Recycling

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
NA - 06	Copper (and its compounds)	Recovery of Metals and Metal Compounds	C - Mass Balance		26.27 tonnes
NA - 14	Zinc (and its compounds)	Recovery of Metals and Metal Compounds	C - Mass Balance		6.83 tonnes

## Recycling - Off-site Transfers for Recycling - Total

CAS RN	Substance Name	Total - Off-site Transfers for Recycling
NA - 06	Copper (and its compounds)	26.27 tonnes
NA - 14	Zinc (and its compounds)	6.83 tonnes

## Recycling - Off-site Transfers for Recycling - By Facility

CAS RN	Substance Name	Category	Off-site Name	Off-site Address	Quantity
NA - 06	Copper (and its compounds)	Recovery of Metals and Metal Compounds	Gerdau Ameristeel Corporation	200 Dawson Road, Guelph, ON, Canada	26.27 tonnes
NA - 14	Zinc (and its compounds)	Recovery of Metals and Metal Compounds	Gerdau Ameristeel Corporation	200 Dawson Road, Guelph, ON, Canada	6.83 tonnes

## Recycling - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Recycled	Reasons for Changes in Quantities Recycled from Previous Year	Comments
NA - 06	Copper (and its compounds)	Production Residues Unusable parts or discards	Changes in estimation methods	
NA - 14	Zinc (and its compounds)	Production Residues Unusable parts or discards	Changes in estimation methods	

## Comparison Report - Enters, Creation, Contained in Product

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
NA - 06	Copper (and its compounds)	No	Enters the facility (Use)	166.38 tonnes	194.97 tonnes	2017	-28.59	-14.66
NA - 06	Copper (and its compounds)	No	Creation	0 tonnes	0 tonnes	2017	0	
NA - 06	Copper (and its compounds)	No	Contained in Product	140.10 tonnes	164.79 tonnes	2017	-24.69	-14.98
NA - 14	Zinc (and its compounds)	No	Enters the facility (Use)	47.39 tonnes	57.59 tonnes	2017	-10.20	-17.71
NA - 14	Zinc (and its compounds)	No	Creation	0 tonnes	0 tonnes	2017	0	
NA - 14	Zinc (and its compounds)	No	Contained in Product	40.55 tonnes	49.54 tonnes	2017	-8.99	-18.15

## Comparison Report - Enters, Creation, Contained in Product : Reason(s) for Change

CAS RN	Substance Name	Reason(s) for Change	Other Reason
NA - 06	Copper (and its compounds)	Decrease in production levels	
NA - 14	Zinc (and its compounds)	Decrease in production levels	

## Comparison Report - Transfers off-site for Recycling

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
NA - 06	Copper (and its compounds)	No	Total off-site Transfers for Recycling	26.27 tonnes	30.19 tonnes	2017	-3.92	-12.98

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
NA - 14	Zinc (and its compounds)	No	Total off-site Transfers for Recycling	6.83 tonnes	8.05 tonnes	2017	-1.22	-15.16

## Comparison Report - Transfers off-site for Recycling - Reason(s) for Change

CAS RN	Substance Name	Reason(s) for Change	Other Reason
NA - 06	Copper (and its compounds)	Decrease in production levels	
NA - 14	Zinc (and its compounds)	Decrease in production levels	

## Pollution Prevention

Does the facility have a documented pollution prevention plan?

No

Did the facility complete any pollution prevention activities in the current NPRI reporting year

No

## Progress on TRA Plan - Objectives

CAS RN	Substance Name	Objectives
NA - 06	Copper (and its compounds)	Reduce the amount of Machine Scrap generated through equipment, maintenance, training and operating process improvements.
NA - 14	Zinc (and its compounds)	The objective was to identify feasible reduction options to reduce the use of Zinc (and its compounds) on site.

## Progress on TRA Plan - Use Targets

CAS RN	Substance Name	Quantity	Years	Description of Target
NA - 06	Copper (and its compounds)	No quantity target	1	To reduce the machine scrap rate below or equal to 0.5% by the end of December 2013.
NA - 14	Zinc (and its compounds)	No quantity target	No timeline target	

## Progress on TRA Plan - Creation Targets

CAS RN	Substance Name	Quantity	Years	Description of Target
NA - 06	Copper (and its compounds)	No quantity target	No timeline target	No target. Comtech does not create copper, it is just a component of our castings.
NA - 14	Zinc (and its compounds)	No quantity target	No timeline target	

## Progress on TRA Plan - Toxic Reduction Options Implemented

CAS RN	Substance Name	Activity	Steps that were taken in the reporting period to implement the toxic reduction option	Public summary of the description of the steps	Comparison of the steps that were described in the plan for implementation with the actual steps taken during the reporting period	Public summary of the comparison of the steps
NA - 06	Copper (and its compounds)	Other	Scrap reduction actions are in progress. meetings are held monthly and managed by the Program Mgr. in charge.	Scrap Attack Teams are working to reduce our scrap rate for 0.5%	Same as the TRA Plan	Scrap Attack Teams are working to reduce our scrap rate for 0.5%
NA - 06	Copper (and its compounds)	Other	Operators awareness of the importance of the low scrap rate via regular training, meetings and communication board postings	Operators awareness of the importance of the low scrap rate via regular training, meetings and communication board postings	Same as TRA Plan	Same as TRA Plan

CAS RN	Substance Name	Activity	Will the timelines in the current version of the plan will be met	Comments:
NA - 06	Copper (and its compounds)	Other	Yes	
NA - 06	Copper (and its compounds)	Other	Yes	

## Progress on TRA Plan - Reductions due to Options Implemented - Equipment or process modifications

CAS RN	Substance Name	Activity	Reductions due to Options Implemented	Quantity
NA - 06	Copper (and its compounds)	Other	The amount of reduction in <b>use</b> of the substance at the facility during the reporting period that resulted due to the steps described:	No Amount
NA - 06	Copper (and its compounds)	Other	The amount of reduction in <b>creation</b> of the substance at the facility during the reporting period that resulted due to the steps described:	No Amount
NA - 06	Copper (and its compounds)	Other	The amount of reduction in the substance <b>contained in product</b> at the facility during the reporting period that resulted due to the steps described:	No Amount

CAS RN	Substance Name	Activity	Reductions due to Options Implemented	Quantity
NA - 06	Copper (and its compounds)	Other	The amount of reduction in <b>release to air</b> of the substance at the facility during the reporting period that resulted due to the steps described:	No Amount
NA - 06	Copper (and its compounds)	Other	The amount of reduction in <b>release to water</b> of the substance at the facility during the reporting period that resulted due to the steps described:	No Amount
NA - 06	Copper (and its compounds)	Other	The amount of reduction in <b>release to land</b> of the substance at the facility during the reporting period that resulted due to steps described:	No Amount
NA - 06	Copper (and its compounds)	Other	The amount of reduction in the substance <b>disposed on-site</b> (including tailings and waste rocks) at the facility during the reporting period that resulted due to the steps described:	No Amount
NA - 06	Copper (and its compounds)	Other	The amount of reduction in the substance <b>disposed off-site</b> (including tailings and waste rocks) at the facility during the reporting period that resulted due to the steps described:	No Amount
NA - 06	Copper (and its compounds)	Other	The amount of reduction in the substance <b>recycled off-site</b> at the facility during the reporting period that resulted due to the steps described:	No Amount

### Progress on TRA Plan - Reductions due to Options Implemented - Good operator practice or training

CAS RN	Substance Name	Activity	Reductions due to Options Implemented	Quantity
NA - 06	Copper (and its compounds)	Other	The amount of reduction in <b>use</b> of the substance at the facility during the reporting period that resulted due to the steps described:	No Amount
NA - 06	Copper (and its compounds)	Other	The amount of reduction in <b>creation</b> of the substance at the facility during the reporting period that resulted due to the steps described:	No Amount
NA - 06	Copper (and its compounds)	Other	The amount of reduction in the substance <b>contained in product</b> at the facility during the reporting period that resulted due to the steps described:	No Amount
NA - 06	Copper (and its compounds)	Other	The amount of reduction in <b>release to air</b> of the substance at the facility during the reporting period that resulted due to the steps described:	No Amount
NA - 06	Copper (and its compounds)	Other	The amount of reduction in <b>release to water</b> of the substance at the facility during the reporting period that resulted due to the steps described:	No Amount
NA - 06	Copper (and its compounds)	Other	The amount of reduction in <b>release to land</b> of the substance at the facility during the reporting period that resulted due to steps described:	No Amount
NA - 06	Copper (and its compounds)	Other	The amount of reduction in the substance <b>disposed on-site</b> (including tailings and waste rocks) at the facility during the reporting period that resulted due to the steps described:	No Amount
NA - 06	Copper (and its compounds)	Other	The amount of reduction in the substance <b>disposed off-site</b> (including tailings and waste rocks) at the facility during the reporting period that resulted due to the steps described:	No Amount
NA - 06	Copper (and its compounds)	Other	The amount of reduction in the substance <b>recycled off-site</b> at the facility during the reporting period that resulted due to the steps described:	No Amount

### Progress on TRA Plan - Additional Actions

CAS RN	Substance Name	Were there any additional actions outside the plan taken during the reporting period to reduce the use and/or creation of the substance?	Describe any additional actions that were taken during the reporting period to achieve the plan's objectives	Provide a public summary of the description of the additional action taken
NA - 06	Copper (and its compounds)	No		
NA - 14	Zinc (and its compounds)	No		

### Progress on TRA Plan - Reductions due to additional actions taken

CAS RN	Substance Name	Reductions due to additional actions taken	Quantity
NA - 06	Copper (and its compounds)	The amount of reduction in <b>use</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 06	Copper (and its compounds)	The amount of reduction in <b>creation</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 06	Copper (and its compounds)	The amount of reduction in the substance <b>contained in product</b> at the facility during the reporting period that resulted due to the additional actions.	
NA - 06	Copper (and its compounds)	The amount of reduction in <b>release to air</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 06	Copper (and its compounds)	The amount of reduction in <b>release to water</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 06	Copper (and its compounds)	The amount of reduction in <b>release to land</b> of the substance at the facility during the reporting period that resulted due to additional actions.	
NA - 06	Copper (and its compounds)	The amount of reduction in the substance <b>disposed on-site</b> (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
NA - 06	Copper (and its compounds)	The amount of reduction in the substance <b>disposed off-site</b> (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
NA - 06	Copper (and its compounds)	The amount of reduction in the substance <b>recycled off-site</b> at the facility during the reporting period that resulted due to the additional actions.	
NA - 14	Zinc (and its compounds)	The amount of reduction in <b>use</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	

CAS RN	Substance Name	Reductions due to additional actions taken	Quantity
NA - 14	Zinc (and its compounds)	The amount of reduction in <b>creation</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 14	Zinc (and its compounds)	The amount of reduction in the substance <b>contained in product</b> at the facility during the reporting period that resulted due to the additional actions.	
NA - 14	Zinc (and its compounds)	The amount of reduction in <b>release to air</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 14	Zinc (and its compounds)	The amount of reduction in <b>release to water</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 14	Zinc (and its compounds)	The amount of reduction in <b>release to land</b> of the substance at the facility during the reporting period that resulted due to additional actions.	
NA - 14	Zinc (and its compounds)	The amount of reduction in the substance <b>disposed on-site</b> (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
NA - 14	Zinc (and its compounds)	The amount of reduction in the substance <b>disposed off-site</b> (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
NA - 14	Zinc (and its compounds)	The amount of reduction in the substance <b>recycled off-site</b> at the facility during the reporting period that resulted due to the additional actions.	

## Progress on TRA Plan - Amendments

CAS RN	Substance Name	Were any amendments made to the toxic substance reduction plan during the reporting period	Description any amendments that were made to the toxic substance reduction plan during the reporting period	Provide a public summary of the description of any amendments that were made to the toxic substance reduction plan during the reporting period
NA - 06	Copper (and its compounds)	No		
NA - 14	Zinc (and its compounds)	No		

## Report Submission and Electronic Certification

### NPRI - Electronic Statement of Certification

Specify the language of correspondence

English

Comments (optional)

I hereby certify that I have exercised due diligence to ensure that the submitted information is true and complete. The amounts and values for the facility(ies) identified below are accurate, based on reasonable estimates using available data. The data for the facility(ies) that I represent are hereby submitted to the programs identified below using the Single Window Reporting Application.

I also acknowledge that the data will be made public.

Note: Only the person identified as the Certifying Official or the authorized delegate should submit the report(s) identified below.

Company Name

Linamar Corp.

Certifying Official (or authorized delegate)

Zlatko Cado

Report Submitted by

Zlatko Cado

I, the Certifying Official or authorized delegate, agree with the statements above and acknowledge that by pressing the "Submit Report(s)" button, I am electronically certifying and submitting the facility report(s) for the identified company to its affiliated programs.

### ON MECP TRA - Electronic Certification Statement

#### Annual Report Certification Statement

As of 01/05/2019, I, Zlatko Cado, certify that I have read the reports on the toxic substance reduction plans for the toxic substances referred to below and am familiar with their contents, and to my knowledge the information contained in the reports is factually accurate and the reports comply with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.

#### TRA Substance List\*

CAS RN

Substance Name

NA - 06

Copper (and its compounds)

NA - 14

Zinc (and its compounds)

\*Due to reporting system limitations, for the 2018 annual report the TRA Substance List may included new Volatile Organic Compounds (VOCs) and/or Dioxins and Furans congeners reported to NPRI only.

Company Name

Linamar Corp.

Highest Ranking Employee

Zlatko Cado

Report Submitted by

Zlatko Cado

Website address

I, the highest ranking employee, agree with the certification statement(s) above and acknowledge that by checking the box I am electronically signing the statement(s). I also acknowledge that by pressing the 'Submit Report(s)' button I am submitting the facility record(s)/report(s) for the identified facility to the Director under the Toxics Reduction Act, 2009. I also acknowledge that the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 provide the authority to the Director under the Act to make certain information as specified in subsection 27(5) of Ontario Regulation 455/09 available to the public.

## Submitted Report

Period	Submission Date	Facility Name	Province	City	Programs
2018	01/05/2019	Comtech Mfg.	Ontario	Guelph	NPRI,ON MECP TRA

Note: If there is a change in the contact information for the facility, a change in the owner or operator of the facility, if operations at the facility are terminated, or if information submitted for any previous year was mistaken or inaccurate, please update this information through SWIM or by contacting the National Pollutant Release Inventory directly.

Version: 3.15.0



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